

# TOWARDS FAIR AND PROSPEROUS SUSTAINABILITY



Transitions
Performance
Index 2020



#### TOWARDS FAIR AND PROSPEROUS SUSTAINABILITY - Transitions Performance Index 2020

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Manuscript completed in November 2020

First edition.

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PDF ISBN 978-92-76-22789-2 doi:10.2777/909838 KI-03-20-616-EN-N

Luxembourg: Publications Office of the European Union, 2020

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#### **EUROPEAN COMMISSION**

# TOWARDS FAIR AND PROSPEROUS SUSTAINABILITY

## **Transitions Performance Index 2020**



edited by Pierre Vigier

# **FOREWORD**



The world is facing profound challenges. This is nothing new. However, the difference is the rate of change, its global impact, and the necessity of finding common solutions both at country and individual levels.

Interests diverge – local situations are specific and impose a different balance between different priorities. We must ensure that this does not obscure issues that are crucial for the future of the country concerned and of humanity more broadly.

The EU has taken the lead with the ambition to become the first climate neutral continent by 2050. This ambition of the European Green Deal, endorsed by the European Parliament and the European Council last year, is today more valid than ever. We are not just rebuilding the economy post Covid-19, we are rebuilding it better!

In order to do this, we need an adequate measure to gauge our progress, orient our actions and evaluate the impact of the measures taken. Gross Domestic Product (GDP) proved an adequate measure during the era when maximising the quantity of growth was the primary goal of economic policy. GDP alone is no longer sufficient to capture the complexity and nuanced nature of the challenges the world currently faces. We must continue to invest in the future but in a responsible manner, and therefore need a common compass that allows countries to make their choices with complete sovereignty.

Building such a compass is difficult. Too many variables – and too many interactions between these variables – lead to the construction of complex and incomplete models. These models can be difficult for the public to understand,

and are sometimes plagued by disparate data, rarely updated. We must resolve to simplify and focus on the essential. However, this must be based on choices that were discussed and evaluated in full transparency.

A mere 30 years ago, the United Nations developed such a compass with the same logic: the Human Development Index. It was built trying to solve the three main emergencies of the time in a world facing exponential population growth: poverty, health and education.

Today, the priority challenges are to preserve the earth for future generations, while ensuring our well-being, maintaining civil liberties and upholding European values. This implies investing in the future in a responsible manner.

The index proposed in this report is based on the four transitions we now urgently face: the economic, the social, the environmental, and the governance transitions. It is the result of an assessment made by the European Commission of the priorities we must agree upon to address these challenges together.

The current Transitions Performance Index (TPI), ranking EU Member States in their paths to sustainability, is the first of its kind. I urge civil society and experts to contribute to its further development in future editions, which should go hand in hand with the development of its interpretation and of its use. The TPI already constitutes a simple and transparent tool, sufficiently robust on the conceptual and statistical level to be the compass we urgently need. Let's use it without delay.

Mariya Gabriel

European Commissioner for Innovation, Research, Culture, Education and Youth



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## **TPI COUNTRY COVERAGE**

COL	UNTRY NA	MES AND CODES	COUNTRY CODES AND NAMES					
Albania	AL	Lithuania	LT	AE	United Arab Emirates	JP	Japan	
Algeria	DZ	Luxembourg	LU	AL	Albania	KE	Kenya	
Argentina	AR	Malaysia	MY	АМ	Armenia	KR	South Korea	
Armenia	AM	Malta	MT	AR	Argentina	LT	Lithuania	
Australia	AU	Mexico	MX	AT	Austria	LU	Luxembourg	
Austria	AT	Moldova	MD	AU	Australia	LV	Latvia	
Belgium	BE	Montenegro	ME	ВА	Bosnia and Herzegovina	MA	Morocco	
Bosnia and Herzegovina	BA	Morocco	MA	BE	Belgium	MD	Moldova	
Brazil	BR	Netherlands	NL	BG	Bulgaria	ME	Montenegro	
Bulgaria	BG	New Zealand	NZ	BR	Brazil	MK	North Macedonia	
Canada	CA	Nigeria	NG	CA	Canada	MT	Malta	
Chile	CL	North Macedonia	MK	СН	Switzerland	MX	Mexico	
China	CN	Norway	NO	CL	Chile	MY	Malaysia	
Colombia	СО	Philippines	PH	CN	China	NG	Nigeria	
Croatia	HR	Poland	PL	СО	Colombia	NL	Netherlands	
Cyprus	CY	Portugal	PT	CY	Cyprus	NO	Norway	
Czechia	CZ	Romania	RO	CZ	Czechia	NZ	New Zealand	
Denmark	DK	Russia	RU	DE	Germany	PH	Philippines	
Egypt	EG	Saudi Arabia	SA	DK	Denmark	PL	Poland	
Estonia	EE	Serbia	RS	DZ	Algeria	PT	Portugal	
European Union	EU27	Singapore	SG	EE	Estonia	RO	Romania	
Finland	FI	Slovakia	SK	EG	Egypt	RS	Serbia	
France	FR	Slovenia	SI	EL	Greece	RU	Russia	
Georgia	GE	South Africa	ZA	ES	Spain	SA	Saudi Arabia	
Germany	DE	South Korea	KR	EU27	European Union	SE	Sweden	
Greece	EL	Spain	ES	FI	Finland	SG	Singapore	
Hungary	HU	Sweden	SE	FR	France	SI	Slovenia	
Iceland	IS	Switzerland	CH	GE	Georgia	SK	Slovakia	
India	IN	Thailand	TH	HR	Croatia	TH	Thailand	
Indonesia	ID	Tunisia	TN	HU	Hungary	TN	Tunisia	
Iran	IR	Turkey	TR	ID	Indonesia	TR	Turkey	
Ireland	IE	Ukraine	UA	IE	Ireland	UA	Ukraine	
Israel	IL	United Arab Emirates	AE	IL	Israel	UK	United Kingdom	
Italy	IT	United Kingdom	UK	IN	India	US	United States	
Japan	JP	United States	US	IR	Iran	VN	Vietnam	
Kenya	KE	Vietnam	VN	IS	Iceland	WD	World	
Latvia	LV	World	WD	IT	Italy	ZA	South Africa	





# KEY FINDINGS AND RANKINGS

TRANSITIONS PERFORMANCE INDEX 2020

**EUROPEAN COMMISSION** 

# TRANSITIONS PERFORMANCE INDEX 2020

# **KEY FINDINGS**

The transitions performance index (TPI) provides a global ranking of countries in four dimensions – economic, social, environmental and governance, over 2010-2019. These dimensions are the basis for a transition towards a model of equitable, fair and sustainable prosperity.

Scoreboards have proved to have a powerful influence for informing and mobilising citizens in the European Union and for monitoring the impact of national policies. However, as the challenges are global, the TPI also presents the data at global level, so that best performances all over the world can be identified and be a source of inspiration for all.

The report compiles 25 indicators, which are internationally comparable and which use a methodology that an independent statistical audit has confirmed to be sufficiently robust to produce sound results. Country profiles are available to detail the indicators per country. Finally, a chapter on 'Linkages' opens avenues for further research on the economic determinants of progress towards this fair and sustainable prosperity and on the TPI's capacity to inform beyond the conventional measurement of GDP.

We present here a selection of key findings that are analysed and completed in more detail inside the present report.

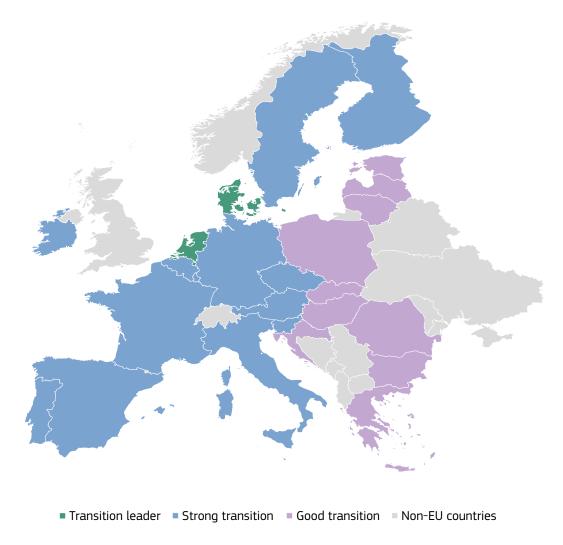


#### TPI SCOREBOARD FOR THE EUROPEAN UNION

**EUROPEAN UNION TPI RANKINGS** 

The European Union is a strong performer. Denmark and the Netherlands top the EU league as transition leaders (**Figure A**). EU Member States belong to the three groups of best performers (leader, strong or good). They are performing, as a whole, better than the United States and China.

FIGURE A: EU Member States Transitions Performance Index groups (2019)

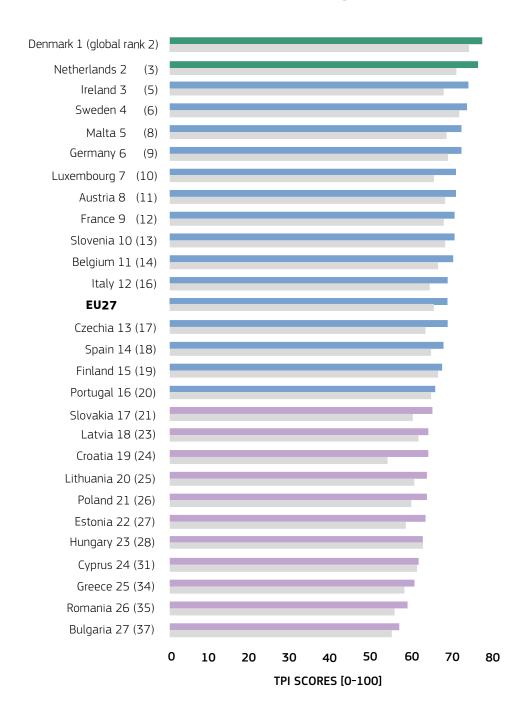


Source: European Commission, Transitions Performance Index 2020.



TRANSITIONS PERFORMANCE INDEX 2020

FIGURE B: EU Member States Transitions Performance Index ranking and scores (2010 and 2019)



■ Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45] Note: The number in parenthesis indicates the TPI global rank.

Source: European Commission, Transitions Performance Index 2020.



#### TPI SCOREBOARD FOR THE EUROPEAN UNION

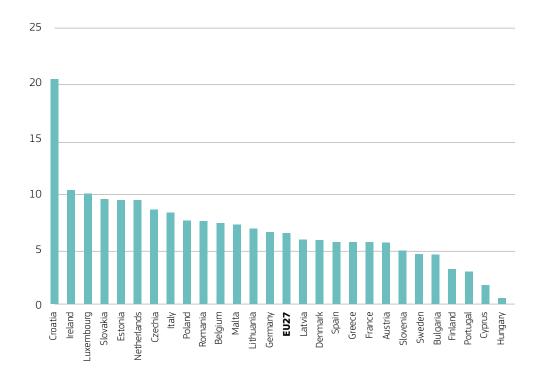
#### **EUROPEAN UNION TPI 2010-2019 PROGRESS**

All EU countries have improved their performance since 2010, particularly Croatia, which made an exceptional effort to catch up (20.5%), but also Ireland and Luxembourg (progress above 10%). The sharp increase in the Netherlands' TPI score demonstrates that a country can continue to make progress even from a leading position, while many strong performers continue to progress at high speed. Several countries (Ireland, Luxembourg, Slovakia, Estonia, the Netherlands, Czechia, Italy, Poland, Romania, Belgium, Malta, Lithuania and Germany) progressed above the EU average (6.5%).

EU Member States all progressed over the last decade, with an average improvement rate of 6.5 % (Figure C). Moreover, the starting point has not been the key determinant of progress: some strong performing countries have continued to advance, while some lesser performers have succeeded in catching up.

Latvia, Denmark, Spain, Greece, France, Austria, Slovenia, Sweden and Bulgaria all progressed above 4%. In contrast, strong performers such as Portugal, Finland, Sweden and Slovenia seem to have come to a standstill and are at risk of losing ground in the transition process unless they renew their collective efforts.

FIGURE C: EU Member States Transitions Performance Index progress rates (% change 2010-2019)



Source: European Commission, Transitions Performance Index 2020.





# TPI SCOREBOARD FOR THE EUROPEAN UNION

#### EUROPEAN UNION, UNITED STATES AND CHINA

While the 27 EU Member States post a strong performance, the United States and China belong respectively to the groups of good and moderate performers. Since 2010, China has progressed by 9.9%, the United States by 8.2% and the EU by 6.5% (**Figure D**). This highlights the importance of monitoring how countries pursue their efforts, as it is illustrated for the European Union in **Figure B**. In this regard, the European Union has recently confirmed its Green Deal priorities and reiterated that its COVID-19 recovery package aims at a collective effort also to accelerate transitions.

The EU performance increased in all four pillars, particularly in the environmental pillar (notably in resource productivity and energy productivity, which together compensate for

The EU leads over the United States and China. Due to the distance to the frontier defined by the TPI goalposts, the United States and China need to further intensify their efforts to catch up within the next decades (**Figure E**).

a decline in emissions reduction and for limited progress in biodiversity protection).

The highest rate of progress in China is mostly in economic transition (education, and labour productivity and R&D intensity). The United States' strong point is the economic pillar (with improvements in education, wealth, and labour productivity and R&D intensity and a decline in industrial base). US progress in the environmental pillar has been facilitated by the low base level in 2010 (progress notably in resource productivity and energy productivity and despite reverse progress in greenhouse gas emissions reduction).

FIGURE D: European Union, United States and China scores and transition groups

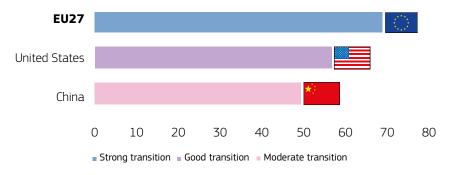
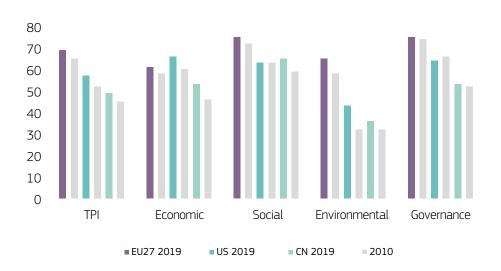


FIGURE E: European Union, United States and China progress in the four transitions



Source: European Commission, Transitions Performance Index 2020.



#### TPI SCOREBOARD FOR THE EUROPEAN UNION

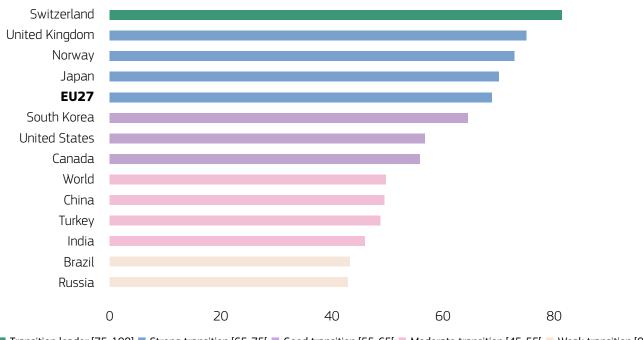
#### **EUROPEAN UNION AND MAIN TRADE PARTNERS**

The only main trading partner in the same league as the EU outside Europe is Japan, while South Korea is not far behind. The gap with the United States and Canada is substantial; both countries are in good transition, performing better than China, Turkey and India, which are in moderate transition, and Brazil and Russia, in weak transition.

By providing a global perspective, the TPI report highlights, among our main trading partners, the best performers and countries that are lagging behind. The TPI therefore serves as a source of inspiration for our continuing efforts, as well as an invitation to a policy dialogue to contribute to global welfare taking up the transitions challenge (Figure F).

Among highly populated regions/countries, the performances of Japan and the EU are impressive, highlighting their efforts to contribute to the planet's sustainability.

FIGURE F: European Union and main partners TPI scores and transition groups



■ Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45] Source: European Commission, Transitions Performance Index 2020.



#### TPI GLOBAL PERSPECTIVE

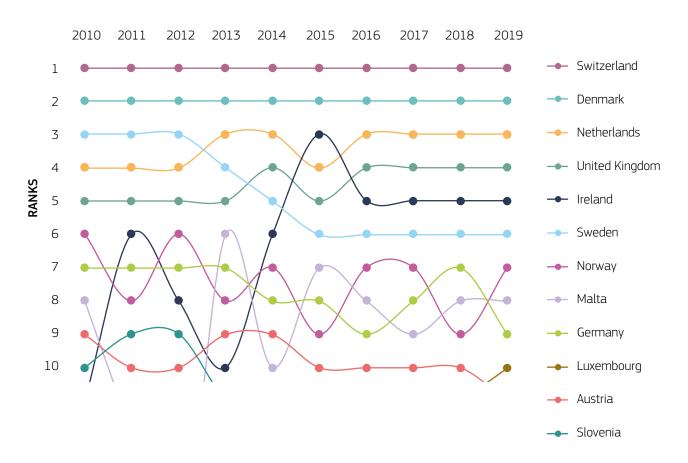
#### **GLOBAL RANKING 2010-2019**

Switzerland and Denmark ranked consistently at the top of the TPI ranking, while the Netherlands progressed to third place and the UK to fourth place. Ireland posted the most substantial improvement (gain of six places), moving up to fifth place.

#### What has been the progress of the TPI top 10 countries?

The TPI compares progress over the 2010-2019 period, thus serving as a compass in benchmarking transition performance and informing the public on the impact of national policies (Figure G).

FIGURE G: Global TPI top 10 performers, 2010-2019



Note: Luxembourg enters the top 10 in 2019, Slovenia leaves it in 2012, Austria in 2019. Source: European Commission, Transitions Performance Index 2020.





#### TPI GLOBAL PERSPECTIVE

# BEST COUNTRIES TPI PERFORMANCE PER REGION OF THE WORLD

#### The Americas

The countries of North, Central and South America (there are 7 countries in total in the ranking) lag behind in the TPI scores compared to other regions of the world. Leading in in the Americas, the United States and Canada perform both at the lower end of the countries in good transition.

#### South-East Asia and Pacific

In contrast, the South-East Asia and Pacific region (12 countries in the TPI) shows that the top five countries together form a pack of solid performers, followed by emerging economies that are less performing in TPI score.

#### Middle East and Africa

In the Middle East and Africa (11 countries in total), Israel tops the league, followed by the United Arab Emirates, both countries belonging to the group of good performers. In terms of progress, the two leaders are among the countries that have registered the highest relative progress since 2010.

# What are the best performing countries in the world?

Global challenges for the planet require a global response. TPI measures both the transition performance of a country and its contribution to the global effort as compared with its regional partners (**Figure H**).

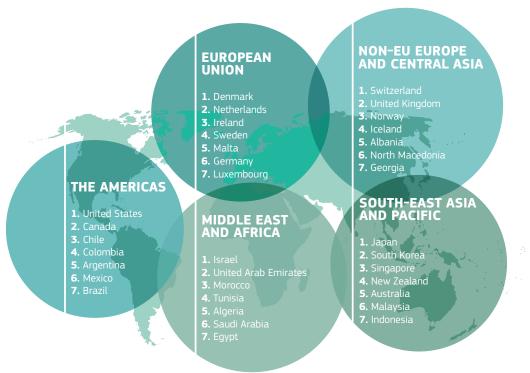
#### Non-EU Europe and Central Asia

In non-EU and Central Asia, which includes 15 countries, the European part dominates the scores. The role of the European Union (27 countries) seems to have been decisive in that orientation.

#### European Union.

The EU top performers belong all to leaders or best performers groups of the global TPI ranking. Differences in performance result notably of a more or less balanced position between economic, social environmental and governance transitions

FIGURE H: Global TPI top 7 performers by regions of the world





# TRANSITIONS PERFORMANCE INDEX 2020

#### TPI GLOBAL PERSPECTIVE

#### BEST COUNTRIES' TPI PERFORMANCE PER INCOME GROUP AND PROGRESS RATE

High-income countries reflect the overall rankings of the TPI. Among upper-middle-income countries, Bulgaria, Albania and North Macedonia top the rankings, participating actively in EU policies (Georgia ranking 7<sup>th</sup>).

Among lower-middle-income countries, Morocco, Tunisia and Algeria top the rankings. Apart from the Asian economies, Moldova and Egypt show the diversity of economies that participate in the transition process.

In Asia, Malaysia, Indonesia and Thailand among the uppermiddle-income countries and the Philippines and Vietnam among the lower-middle-income countries show that TPI progress is not exclusive to economic progress or a privilege granted to European countries.

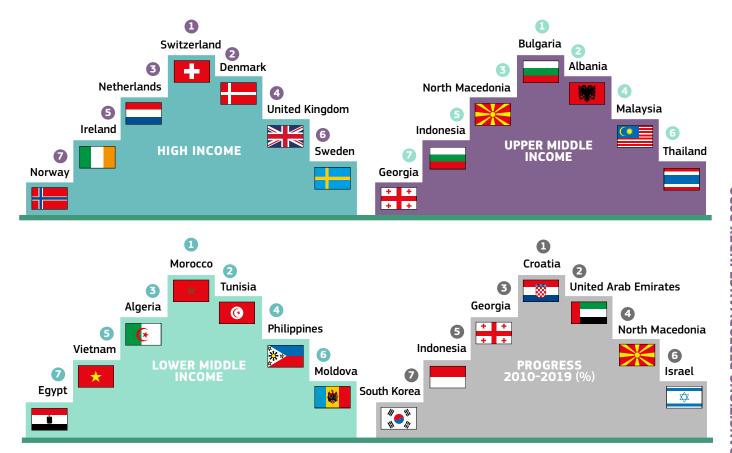
# Which countries perform best according to their income?

Demonstrating the index's added value to GDP, middle-income countries have champions. Performance in transitions is not reserved for the happy few, and a progressive decoupling between the transition process and GDP growth seems possible (**Figure 1**).

# Which countries have the highest rate of progress?

Since 2010, the most rapid improvements have taken place in different regions of the world, from South Korea to Croatia, which tops the league, stimulated by its EU accession (**Figure I**).

FIGURE I: Global TPI top 7 performers by income group and progress rate





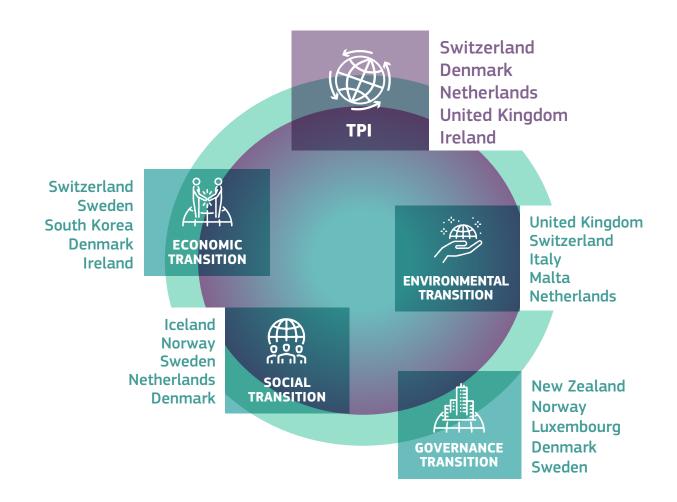
#### **TPI GLOBAL PERSPECTIVE**

BEST PERFORMING COUNTRIES IN ECONOMICS, SOCIAL, ENVIRONMENTAL AND GOVERNANCE TRANSITIONS

#### Which countries perform the best by pillar?

The differences in levels and trends in relative performance across pillars illustrate the multidimensional nature of the transitions challenge. While the public benefits from progress in each dimension, countries may take advantage of their strengths to make progress on their relative weaknesses (**Figure J**).

FIGURE J: Global TPI Top 5 performers by transition pillar



Source: European Commission, Transitions Performance Index 2020.



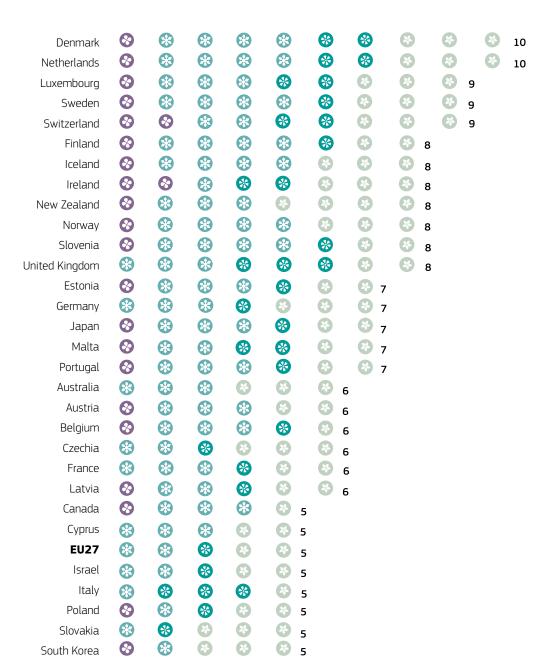
#### TPI GLOBAL PERSPECTIVE

COUNTRIES SUCCEEDING IN SEVERAL TRANSITIONS

#### Which countries achieve leadership in most transitions?

Some countries succeed in joining the leaders in some transitions even if they are not the top TPI performers (**Figure K**). The TPI country profiles (**Appendix II**) pinpoint strengths and weaknesses. Focus in catching-up while avoiding imbalances is important to maintain the economic and social consensus needed for the overall transition process to be successful.

FIGURE K: Countries with five or more leader positions in the 16 sub-pillars



😵 Economic transition 🚷 Social transition 🛞 Environmental transition 🚷 Governance transition



#### TRANSITIONS PERFORMANCE INDEX RANKINGS

**TABLE A: Transitions Performance Index scores in the four transitions** 

		COUNTRY		20:	ESG GAP	PROGRESS			
RANK	CODE	NAME	TPI	ECONOMIC	SOCIAL	ENVIRONMENTAL	GOVERNANCE	(% OF TPI)	2010-2019
1	CH	Switzerland	81.4	80.0	80.5	81.4	83.4	2.2%	7.9%
2	DK	Denmark	77.4	71.6	84.3	72.2	83.8	9.4%	5.8%
3	NL	Netherlands	76.5	65.0	84.5	74.5	82.1	18.8%	9.4%
4 5	UK IE	United Kingdom Ireland	75.0 74.0	54.9 70.0	77.5 76.3	83.1 71.9	77.7 78.4	33.4%	7.9% 10.4%
6	SE	Sweden	74.0	75.2	85.7	59.2	83.7	-2.3%	4.5%
7	NO	Norway	72.8	66.7	86.4	59.3	85.9	10.5%	6.1%
8	MT	Malta	72.4	58.7	78.6	75.6	74.0	23.6%	7.2%
9	DE	Germany	72.3	69.3	80.3	64.3	79.7	5.3%	6.5%
10	LU	Luxembourg	71.1	66.3	75.1	61.3	85.2	8.3%	10.0%
11	AT	Austria	71.0	69.7	79.7	61.6	78.3	2.2%	5.6%
12	FR SI	France Slovenia	70.6 70.4	59.6 65.5	79.8 83.1	68.3 60.8	75.1 77.8	19.5%	5.6%
13 14	BE	Belgium	70.4	68.2	80.0	63.4	77.8	8.7% 3.7%	4.8% 7.3%
15	JP	Japan	70.0	65.3	79.3	65.4	72.6	8.4%	8.2%
16	IT	Italy	68.8	57.8	68.7	77.0	66.2	20.0%	8.3%
	EU27	European Union	68.8	61.4	75.4	65.2	74.5	13.5%	6.5%
17	CZ	Czechia	67.7	61.2	80.0	56.9	78.3	12.1%	8.6%
18	ES	Spain	67.6	52.5	73.7	68.5	73.7	27.9%	5.6%
19 20	FI PT	Finland	67.5 65.8	68.0 52.4	82.4 75.7	49.0 62.2	81.2	-0.9%	3.2%
21	SK	Portugal Slovakia	65.0	51.1	74.6	62.7	73.6 71.5	25.5% 26.7%	2.9% 9.5%
22	KR	South Korea	64.5	75.1	72.9	44.7	76.8	-20.7%	12.0%
23	LV	Latvia	64.2	53.1	67.9	67.2	65.8	21.6%	5.8%
24	HR	Croatia	64.0	49.9	68.3	65.6	69.7	27.5%	20.5%
25	LT	Lithuania	63.8	53.4	66.4	64.8	68.6	20.4%	6.8%
26	PL	Poland	63.6	55.3	70.8	57.6	72.8	16.3%	7.6%
27	EE	Estonia	63.3	60.4	74.4	47.2	79.2	5.7%	9.5%
28	HU	Hungary	62.8	57.1	70.5	62.7	61.4	11.5%	0.5%
29 30	IL IS	Israel	62.7 61.8	59.4 66.4	71.9 90.1	52.4 29.1	72.3 81.1	6.6%	12.2%
31	CY	Iceland Cyprus	61.6	48.4	78.5	54.2	68.8	-9.4% 26.7%	1.6% 1.7%
32	SG	Singapore	61.6	69.3	55.3	51.3	74.7	-15.7%	3.1%
33	NZ	New Zealand	61.2	55.8	78.9	36.0	86.6	11.0%	4.7%
34	EL	Greece	60.5	45.9	67.1	65.2	60.2	30.1%	5.6%
35	RO	Romania	58.9	41.3	61.6	61.6	67.1	37.4%	7.5%
36	AU	Australia	58.3	54.6	77.5	32.5	81.9	7.9%	5.2%
37	BG	Bulgaria	56.7	42.1	62.1	55.1	66.5	32.3%	4.5%
38	US	United States	56.7	65.7	62.7	42.8	64.1	-19.8%	8.2%
39 40	AL CA	Albania Canada	56.2 55.8	24.8 60.0	64.4 76.2	71.7 28.2	52.9	69.8%	6.2%
40	AE	United Arab Emirates	55.8 55.3	42.6	76.2	28.2 45.0	74.9 67.0	-9.3% 28.7%	2.9% 16.6%
42	MK	North Macedonia	54.7	34.1	60.0	57.9	62.3	47.1%	12.6%
43	MY	Malaysia	54.1	46.8	60.2	50.1	60.6	16.9%	9.9%
44	ID	Indonesia	53.5	28.0	57.5	58.3	64.2	59.7%	12.4%
45	CL	Chile	53.3	42.0	58.2	44.9	70.2	26.5%	3.8%
46	TH	Thailand	52.7	45.1	65.0	52.4	49.4	18.0%	8.1%
47	MA	Morocco	51.5	32.8	47.5	63.6	52.7	45.4%	9.7%
48 49	TN DZ	Tunisia	51.1 50.2	37.9 37.1	54.0 57.2	55.5 55.1	53.4 48.1	32.3% 32.5%	7.6%
50	GE	Algeria Georgia	49.9	27.7	58.6	48.5	62.7	55.6%	-2.8% 14.7%
30	WD	World	49.7	46.1	55.8	48.9	48.8	9.1%	5.4%
51	CN	China	49.4	52.9	64.7	36.2	52.7	-8.9%	9.9%
52	TR	Turkey	48.7	41.1	49.9	51.7	49.5	19.4%	6.1%
53	ME	Montenegro	48.4	21.2	59.6	50.0	59.0	70.3%	9.5%
54	PH	Philippines	48.3	24.4	49.8	62.2	46.7	61.7%	8.8%
55	CO	Colombia	48.2	29.9	50.3	65.8	36.7	47.6%	9.3%
56	VN	Vietnam	47.6	28.6	67.2	47.1	47.8	49.8%	8.0%
57 58	AM RS	Armenia Serbia	47.5 47.4	25.8 37.6	59.9 61.1	46.2 38.2	56.6 57.0	57.2% 25.8%	2.9% 5.5%
59	MD	Moldova	47.3	40.7	60.9	41.0	50.6	17.6%	7.6%
60	SA	Saudi Arabia	46.5	53.9	41.3	37.8	56.7	-19.9%	7.8%
61	AR	Argentina	46.3	36.3	49.3	48.8	48.2	26.8%	3.6%
62	EG	Egypt	46.2	28.1	47.4	55.8	46.2	49.0%	1.0%
63	IN	India	45.9	28.9	39.7	52.1	55.7	46.3%	5.3%
64	MX	Mexico	45.3	36.5	52.4	54.9	33.2	24.3%	5.0%
65	UA	Ukraine	44.3	41.8	66.3	33.8	43.5	7.1%	-1.4%
66 67	BA	Bosnia and Herzegovina	43.3	22.5	51.9	40.3	57.3	59.9%	1.5%
67 68	BR RU	Brazil Russia	43.2 42.9	39.4 45.9	47.9 62.0	47.3 33.8	36.8 37.9	11.1% -8.9%	-2.3% 7.4%
69	KE	Kenya	41.9	19.5	53.8	48.4	41.4	67.0%	2.1%
70	IR	Iran	40.4	32.3	44.8	42.5	40.2	24.8%	4.1%
71	ZA	South Africa	36.3	37.7	26.0	38.5	40.3	-4.8%	2.2%
72	NG	Nigeria	36.1	13.4	33.3	57.2	26.8	78.7%	3.3%
Tran	cition la	eader [75-100] Strong tr	ancition [Cl	7EI Cood	trancition [5	5_65[ Modorato	transition [4E E	SI Wook tra	ocition [O 4E]

■ Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45] Notes: (1) 'ESG gap (% of TPI)' refers to the difference between the sum of the social, environmental, and governance (ESG) weighted scores and the economic pillar score, as a percentage of the TPI score, in 2019. (2) 'Progress 2010-19' refers to the growth of TPI scores between 2010 and 2019. Source: European Commission, Transitions Performance Index 2020.



TABLE B: Transitions Performance Index scores and progress (2010-2019)

	C	OUNTRY	PROGRESS				20	010-2019	TPI SCOR	ES			
RANK	CODE	NAME	2010-2019	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010
1	CH	Switzerland	7.9%	81.4	80.9	80.2	79.4	79.0	78.4	77.1	77.5	76.7	75.5
2	DK	Denmark	5.8%	77.4	76.6	76.4	76.6	76.5	75.6	74.7	74.5	73.7	73.2
3	NL	Netherlands	9.4%	76.5	76.1	75.4	74.3	73.1	72.9	72.1	71.4	71.1	69.9
4	UK	United Kingdom	7.9%	75.0	74.3	73.7	73.2	73.1	72.2	71.1	70.8	70.4	69.5
5	IE	Ireland	10.4%	74.0	73.7	73.5	73.0	73.4	70.7	68.6	68.7	69.0	67.1
6	SE	Sweden	4.5%	73.8	73.2	72.8	72.5	72.5	71.8	71.5	71.8	71.3	70.6
7	NO	Norway	6.1%	72.8	71.4	71.5	71.1	70.0	70.0	68.7	69.5	68.1	68.7
8	MT	Malta	7.2%	72.4	71.8	71.4	70.8	70.9	69.3	69.4	65.4	66.9	67.5
9	DE	Germany	6.5%	72.3	72.2	71.5	70.4	70.5	70.0	69.2	69.1	68.7	67.9
10	LU	Luxembourg	10.0%	71.1	70.6	69.7	69.2	68.6	68.1	67.8	67.4	65.9	64.6
11	AT	Austria	5.6%	71.0	70.8	70.4	70.1	69.9	69.8	68.7	68.2	67.5	67.3
12	FR	France	5.6%	70.6	70.1	69.8	69.4	68.9	68.8	68.2	67.8	67.2	66.8
13	SI	Slovenia	4.8%	70.4	69.9	69.4	69.2	68.2	68.4	68.4	68.3	67.7	67.2
14	BE	Belgium	7.3%	70.3	70.0	69.6	68.9	68.6	68.4	67.5	67.2	65.9	65.5
15	JP	Japan	8.2%	70.0	69.4	68.9	67.8	67.8	67.0	66.2	65.6	64.9	64.6
16	IT	Italy	8.3%	68.8	68.4	68.1	67.6	66.7	66.7	66.1	64.7	63.7	63.5
	EU27	European Union	6.5%	68.8	68.4	68.0	67.5	67.2	66.9	66.0	65.6	65.0	64.6
17	CZ	Czechia	8.6%	67.7	67.3	66.8	66.4	66.1	65.6	64.3	63.7	63.2	62.4
18	ES	Spain	5.6%	67.6	67.0	66.7	66.4	65.5	65.3	65.1	64.8	64.3	64.0
19	FI	Finland	3.2%	67.5	67.6	68.2	67.8	68.1	67.7	66.8	67.1	66.4	65.4
20	PT	Portugal	2.9%	65.8	65.1	64.8	64.9	64.3	64.2	63.6	63.2	63.7	63.9
21	SK	Slovakia	9.5%	65.0	64.3	63.5	63.9	63.8	62.5	61.2	61.1	60.1	59.3
22	KR	South Korea	12.0%	64.5	63.9	63.4	62.2	61.3	61.0	60.5	59.9	58.3	57.5
23	LV	Latvia	5.8%	64.2	64.0	64.0	63.8	63.6	62.9	62.4	61.4	61.0	60.6
24	HR	Croatia	20.5%	64.0	63.8	62.6	63.2	62.7	60.2	58.4	55.0	54.4	53.1
25	LT	Lithuania	6.8%	63.8	63.5	62.6	62.2	62.2	61.9	61.1	60.6	60.3	59.7
26	PL	Poland	7.6%	63.6	62.9	62.7	62.8	63.3	62.6	61.0	60.3	59.3	59.1
27	EE	Estonia	9.5%	63.3	62.3	61.7	61.1	61.4	59.3	58.1	59.0	58.4	57.8
28	HU 	Hungary	0.5%	62.8	62.2	62.1	62.7	62.6	62.9	62.7	62.9	62.6	62.5
29	IL	Israel	12.2%	62.7	62.4	62.2	61.3	60.5	60.4	58.8	57.2	56.8	55.9
30	IS	Iceland	1.6%	61.8	61.5	61.6	62.1	61.7	61.5	61.0	61.4	60.7	60.8
31	CY	Cyprus	1.7%	61.6	61.2	61.9	61.3	60.9	60.3	60.9	59.4	60.6	60.5
32	SG	Singapore	3.1%	61.6	61.4	60.6	60.4	60.2	60.3	60.6	61.0	61.5	59.7
33	NZ	New Zealand	4.7%	61.2	60.8	60.4	59.8	59.2	58.7	58.6	58.9	58.8	58.4
34	EL RO	Greece	5.6%	60.5	60.0	59.5	58.8	58.3	57.8	57.3	56.0	56.4	57.2
35 36	AU	Romania Australia	7.5% 5.2%	58.9 58.3	58.8 58.1	58.6 57.8	58.4 57.4	56.6 57.2	56.3 56.9	55.8 56.4	54.9 55.8	55.9 55.4	54.8 55.4
37	BG		4.5%	56.7	56.3	55.9	55.7	55.4	56.0	55.6	54.4	54.2	54.3
38	US	Bulgaria United States	8.2%	56.7	56.2	56.0	54.9	54.6	54.0	53.8	53.9	52.9	54.5 52.4
39	AL	Albania	6.2%	56.2	56.1	55.7	55.1	54.8	53.0	53.3	53.1	52.5	52.4
40	CA	Canada	2.9%	55.8	55.5	55.4	55.2	54.8	54.7	54.4	54.7	54.3	54.3
41	AE	United Arab Emirates	16.6%	55.3	55.0	54.6	53.7	52.9	52.4	51.2	49.6	48.9	47.4
42	MK	North Macedonia	12.6%	54.7	54.4	52.9	53.0	52.8	51.7	50.7	49.2	48.8	48.6
43	MY	Malaysia	9.9%	54.1	53.9	53.1	52.8	52.7	52.3	51.5	51.3	50.6	49.2
44	ID	Indonesia	12.4%	53.5	53.0	52.1	52.0	51.0	50.6	49.3	48.7	47.8	47.6
45	CL	Chile	3.8%	53.3	53.3	52.8	53.1	53.6	53.8	52.3	51.8	51.3	51.4
46	TH	Thailand	8.1%	52.7	52.5	51.9	51.0	50.8	50.1	50.4	50.1	50.3	48.7
47	MA	Morocco	9.7%	51.5	51.3	50.4	50.9	51.4	51.4	50.3	50.2	46.7	47.0
48	TN	Tunisia	7.6%	51.1	51.0	50.9	51.9	51.8	50.7	50.2	49.6	48.5	47.6
49	DZ	Algeria	-2.8%	50.2	50.1	50.0	49.8	49.8	50.5	51.0	51.1	51.6	51.6
50	GE	Georgia	14.7%	49.9	49.7	50.1	50.7	47.9	47.5	45.8	45.6	45.2	43.5
	WD	World	5.4%	49.7	49.6	49.3	49.0	48.7	48.4	48.0	47.6	47.3	47.1
51	CN	China	9.9%	49.4	49.5	49.1	48.5	48.1	47.4	46.9	45.9	45.6	44.9
52	TR	Turkey	6.1%	48.7	48.6	47.8	47.5	48.3	48.1	48.2	47.0	46.9	45.9
53	ME	Montenegro	9.5%	48.4	48.2	47.2	45.7	46.2	45.6	46.3	45.6	44.0	44.2
54	PH	Philippines	8.8%	48.3	47.8	47.1	46.5	46.6	46.4	46.0	45.2	44.9	44.4
55	CO	Colombia	9.3%	48.2	48.7	48.2	47.4	47.3	46.0	45.2	46.3	45.4	44.1
56	VN	Vietnam	8.0%	47.6	47.8	47.8	47.6	47.5	47.3	46.7	46.0	44.6	44.1
57	AM	Armenia	2.9%	47.5	47.2	45.8	45.2	45.2	45.4	46.0	46.0	46.0	46.1
58	RS	Serbia	5.5%	47.4	47.5	47.5	46.2	46.3	46.8	46.5	46.1	45.7	44.9
59	MD	Moldova	7.6%	47.3	47.1	47.3	46.4	47.1	46.9	46.9	45.6	45.1	44.0
60	SA	Saudi Arabia	7.8%	46.5	46.5	45.4	45.7	45.2	44.5	44.6	44.1	43.1	43.1
61	AR	Argentina	3.6%	46.3	46.4	46.8	45.8	45.4	44.8	45.0	45.4	45.6	44.6
62	EG	Egypt	1.0%	46.2	45.5	44.7	45.3	45.5	45.6	45.4	45.7	44.8	45.7
63	IN	India	5.3%	45.9	45.9	45.7	45.4	44.8	44.4	44.2	43.8	43.5	43.6
64	MX	Mexico	5.0%	45.3	45.2	45.0	45.4	45.5	45.0	43.8	43.6	43.1	43.1
65	UA	Ukraine	-1.4%	44.3	44.1	43.6	42.8	43.3	43.8	44.9	45.1	44.7	44.9
66	BA	Bosnia and Herzegov	1.5%	43.3	43.2	43.2	43.1	43.2	43.3	43.4	42.3	42.6	42.7
67	BR	Brazil	-2.3%	43.2	43.1	42.6	42.9	43.4	43.8	43.7	43.5	44.1	44.2
68	RU	Russia	7.4%	42.9	42.6	42.3	41.1	41.0	40.5	40.2	40.0	39.8	39.9
69	KE	Kenya	2.1%	41.9	41.9	42.1	42.4	42.4	41.9	41.6	41.1	41.1	41.1
70	IR	Iran	4.1%	40.4	40.6	40.7	40.0	38.6	38.5	38.5	38.2	38.7	38.8
71	ZA	South Africa	2.2%	36.3	35.9	36.2	36.5	36.7	36.1	36.0	35.7	35.5	35.5
72	NG	Nigeria	3.3%	36.1	37.1	37.2	37.2	37.5	37.0	36.6	35.7	35.8	34.9

Transition leader [75-100] Strong transition [65-75] Good transition [55-65] Moderate transition [45-55] Weak transition [0-45] Note: 'Progress 2010-19' refers to the percentage growth of TPI scores between 2010 and 2019.

Source: European Commission, Transitions Performance Index 2020.



TABLE C: Transitions Performance Index rankings (2010-2019)

		COUNTRY	2019 RANK				201	0-2019	TPI RAN	KS			
RANK	CODE	NAME	INTERVAL	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010
1	CH	Switzerland	[1-1]	1	1	1	1	1	1	1	1	1	1
2	DK	Denmark	[2-2]	2	2	2	2	2	2	2	2	2	2
3	NL	Netherlands	[3-3]	3	3	3	3	4	3	3	4	4	4
4	UK	-	[4-6]	4	4	4	4	5	4	5	5	5	5
5	IE		[4-6]	5	5	5	5	3	6	10	8	6	11
6	SE		[4-7]	6	6	6	6	6	5	4	3	3	3
7	NO MT	·	[6-9]	7 8	9 8	7 9	7 8	9 7	7 10	8	6 16	8 12	6
8 9	MT DE		[6-10] [7-9]	9	7	8	9	8	8	6 7	7	7	8 7
10	LU	,	[10-14]	10	11	12	12	12	14	13	12	15	16
11	AT		[10-14]	11	10	10	10	10	9	9	10	10	9
12	FR		[10-14]	12	12	11	11	11	11	12	11	11	12
13	SI		[12-16]	13	14	14	13	14	12	11	9	9	10
14	BE		[12-14]	14	13	13	14	13	13	14	13	14	13
15	JP	Japan	[13-15]	15	15	15	15	16	16	16	15	16	15
16	IT	Italy	[15-18]	16	16	17	17	17	17	17	18	19	19
	EU27	European Union	[16-17]	17	17	18	18	17	17	18	16	16	16
17	CZ		[16-18]	17	18	18	18	18	18	19	19	20	21
18	ES	•	[17-19]	18	19	19	19	19	19	18	17	17	17
19	FI		[16-20]	19	17	16	16	15	15	15	14	13	14
20	PT	-	[19-21]	20	20	20	20	20	20	20	20	18	18
21	SK	Storana	[21-22]	21	21	22	21	21 29	24	23	24	27	27
22 23	KR LV	South Korea Latvia	[20-28]	22 23	23 22	23 21	27 22	29 22	27 22	29 22	28 23	31 23	31 23
23	HR		[23-27]	23	24	25	23	24	31	32	35	36	38
25	LT		[23-27]	25	25	26	26	26	25	24	26	26	26
26	PL		[24-26]	26	26	24	24	23	23	26	27	28	28
27	EE	Estonia	[23-30]	27	28	30	31	28	32	33	30	30	30
28	HU		[25-31]	28	29	28	25	25	21	21	21	21	20
29	IL		[27-29]	29	27	27	30	31	28	30	32	32	33
30	IS	Iceland	[24-41]	30	30	31	28	27	26	25	22	24	22
31	CY	Cyprus	[30-33]	31	32	29	29	30	30	27	29	25	24
32	SG	Singapore	[29-33]	32	31	32	32	32	29	28	25	22	25
33	NZ		[30-35]	33	33	33	33	33	33	31	31	29	29
34	EL		[30-35]	34	34	34	34	34	34	34	33	33	32
35	RO		[33-36]	35	35	35	35	36	36	36	36	34	35
36	AU	Australia	[34-43]	36	36	36	36	35	35	35	34	35	34
37 38	BG US	_	[34-39]	37 38	37 38	38 37	37 40	37 40	37 39	37 39	38 39	38 39	36 40
39	AL		[35-39]	39	39	37 39	39	38	41	40	40	40	39
40	CA	Canada	[37-49]	40	40	40	38	39	38	38	37	37	37
41	AE		[39-41]	41	41	41	41	42	42	43	46	45	48
42	MK		[37-43]	42	42	43	43	43	44	45	48	46	45
43	MY		[38-44]	43	43	42	44	44	43	42	42	43	43
44	ID	Indonesia	[42-46]	44	45	45	45	47	47	49	49	48	46
45	CL	Chile	[42-46]	45	44	44	42	41	40	41	41	42	42
46	TH	Thailand	[42-46]	46	46	46	47	48	49	46	45	44	44
47	MA		[46-50]	47	47	48	48	46	45	47	44	50	49
48	TN		[46-48]	48	48	47	46	45	46	48	47	47	47
49	DZ	-	[48-51]	49	49	50	50	49	48	44	43	41	41
50	GE	W. J.	[49-53]	50	50	49	49	52	51	58	58	56	64
F 1	WD CN	World	[40 32]	51	51	51	51	50 51	50	51	50	49 57	49
51 52	CN	China	[48-55] [50-54]	51 52	51 53	51 54	51 53	51 50	52 50	52 50	55 50	53 40	53 51
52 53	TR ME	Turkey Montenegro	[50-54] [52-63]	52 53	53 54	54 57	53 59	50 58	50 59	50 55	50 57	49 63	51 58
53 54	PH	Philippines	[52-63]	53 54	5 <del>4</del> 55	57 58	55 55	56	56	55 57	61	58	58 57
55	CO		[50-61]	55	52	52	54	54	57	60	51	55	60
56	VN		[54-60]	56	56	53	52	53	53	53	53	61	61
57	AM		[55-62]	57	58	60	64	63	60	56	54	51	50
58	RS	Serbia	[53-62]	58	57	55	57	57	55	54	52	52	55
59	MD		[53-59]	59	59	56	56	55	54	51	59	57	62
60	SA	Saudi Arabia	[53-64]	60	60	62	60	62	63	63	63	66	66
61	AR	Argentina	[56-62]	61	61	59	58	61	62	61	60	54	56
62	EG	Egypt	[58-63]	62	63	64	63	59	58	59	56	59	52
63	IN		[60-65]	63	62	61	61	64	64	64	64	64	63
64	MX		[60-65]	64	64	63	62	60	61	65	65	65	65
65	UA		[62-66]	65	65	65	67	66	66	62	62	60	54
66	BA		[65-68]	66	66	66	65	67	67	67	67	67	67
67	BR		[65-68]	67	67	67	66	65	65	66	66	62	59
68	RU		[66-69]	68	68	68	69 69	69 68	69	69	69 69	69	69
69 70	KE	•	[68-70]	69 70	69 70	69 70	68	68	68	68	68	68	68
70 71	IR ZA	Iran South Africa	[69-70] [71-72]	70 71	70 72	70 72	70 72	70 72	70 72	70 72	70 72	70 72	70 71
72	NG NG	Nigeria	[71-72]	71	72	72	72 71	72 71	72 71	72 71	72 71	72 71	71 72
		ander Ctrong transition							, 1	/ 1	/ 1	/ 1	12

Transition leader Strong transition Good transition Weak transition

Notes: (1) European Union and World are not ranked in the TPI, but referential ranks are provided. (2) Transition group colours are based on scores, not ranks (Table B). (3) 2019 rank intervals were computed by the European Commission Joint Research Centre as part of an independent statistical audit of the TPI (Appendix V); the smaller the interval, the more robust the rank.

Source: European Commission, Transitions Performance Index 2020.



# CONTRIBUTORS AND ACKNOWLEDGEMENTS

The authors of this report gratefully acknowledge the policy steering by the European Commission Director-General for Research and Innovation (DG-RTD), Jean-Eric Paquet, and the DG-RTD Prosperity Director, Peter Dröll. They are also grateful for the support and contributions hereby acknowledged.

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# ANALYTICAL REPORT

TRANSITIONS PERFORMANCE INDEX 2020

BY PIERRE VIGIER & DANIELA BENAVENTE

# INTRODUCTION

The quest for sustainable prosperity is highly complex. The COVID-19 health crisis has reminded us even more strongly that we live in a world where all nations are confronted with common challenges. As European Commission President von der Leyen stated 'it brought into sharper focus the planetary fragility that we see every day through melting glaciers, burning forests and now through global pandemics.'

The European Union has defined a clear agenda to meet these challenges: develop economies that work for people, promote the European way of life, implement a European Green Deal and give a new push for European democracy. This agenda has the ambition to create the conditions to progress in achieving the United Nations Sustainable Development Goals and to make our society more inclusive and resilient.

The Transitions Performance Index (TPI) presented in this report focuses on the four transitions needed in the economy, the social sphere, the environment and in governance to progress towards these goals. It does so for EU Member States while allowing comparisons around the globe, as sustainable prosperity can only be achieved on a global level. The tools with which to measure these issues include Eurostat's 110 indicators on sustainable development in the European Union<sup>2</sup>. However, the TPI is unique in its scope, in its global dimension covering 91% of world GDP, in its 10 years of data (2010-2019), allowing to analyse performance and progress in its ranking of countries on a comparable basis.

The independent statistical audit performed by the Join Research Centre validated the statistical methodology and the robustness of results. Based mostly on hard data, the choice of indicators has been guided by the principles of relevance to the topic, international comparability, parsimony, distinctiveness, and non-redundancy. A total of 25 indicators were selected, 20 hard data and 5 indices, computed by a series of specialised international organisations (such as the World Bank, the IMF and United Nations specialised agencies) and NGOs.

The methodology is public and the data accessible in order to build confidence in its impartiality and to facilitate input for further improvement. This allows us to present a scoreboard ranking countries according to their progress in the four dimensions and their combined impact<sup>3</sup>. The Transitions Performance Index is thus a powerful tool<sup>4</sup> for measuring progress, recognising efforts, and indicating where more has to be done.<sup>5</sup>

The role of the index is not to prescribe what policy mix to choose, but to monitor the state of countries in terms of outcomes. It offers an evidence base for all who are striving towards fair and sustainable prosperity.

<sup>5</sup> The report 'A system change compass' (October 2020) sets recommendations to support the implementation of the European Green Deal that largely inspired the conceptual framework of the TPI. It calls for "redefining prosperity (Embracing social fairness for real prosperity)", "redefining metrics (replace GDP with a new, comprehensive well-being measure that also integrates social and environmental needs)". The TPI constitutes a first step in such a redefinition of metrics. The report also urges "that all relevant stakeholders have voice, agree and share the ownership of necessary system change". The transparency and the global approach of the TPI respond to this concern. https://clubofrome.org/wp-content/uploads/2020/10/System-Change-Compass-Full-report-FINAL.pdf



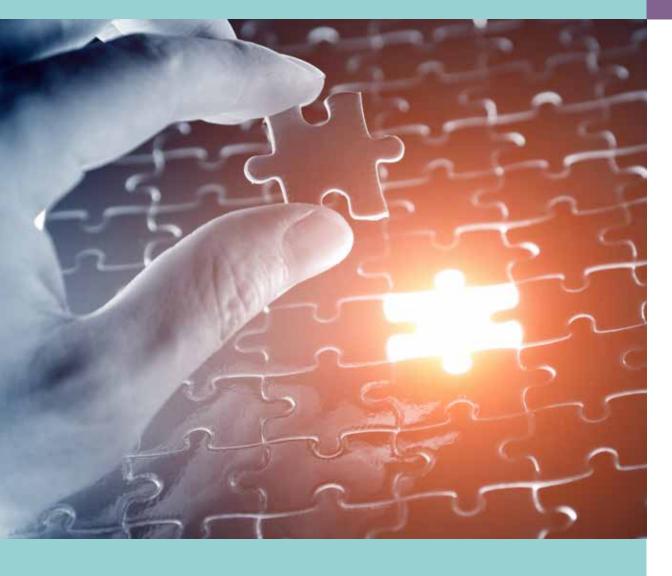
<sup>1</sup> European Commission President von der Leyen , State of the European Union, Building the world we want to live in: A Union of vitality in a world of fragility , 16 September 2020, <a href="https://ec.europa.eu/commission/presscorner/detail/ov/SPEECH\_20\_1655">https://ec.europa.eu/commission/presscorner/detail/ov/SPEECH\_20\_1655</a>

 $<sup>2\</sup> https://ec.europa.eu/eurostat/documents/3217494/11011074/KS-02-20-202-EN-N.pdf/334a8cfe-636a-bb8a-294a-73a052882f7f$ 

<sup>3</sup> The TPI is focused on impact in order to inform citizens on how policy mixes in their country affect positively or negatively their quality of life and future.

<sup>4</sup> The European Innovation Scoreboard, with its annual Summary Innovation Index, demonstrated the potential impact of giving such visibility to the progress and ranking of countries in the domain covered by that scoreboard see section IX.2.





# I. OVERVIEW

The Transitions Performance Index 2020 provides a snapshot of 72 countries in the world and where they stand in their progress towards a fair and sustainable prosperity model. These countries represent more than 90% of world GDP (in percentage points or pps). This progress is measured along four transitions: economic, social, environmental and governance (**Table 1**).

Each of the four dimensions has a strong internal logic proven by the statistical behaviour of its components, while the overall ranking provides additional information on the success of policy mixes in balancing these transitions and in deriving maximum benefit from policy space. Therefore, all five rankings (TPI score, plus the score in each of its four pillars) provide important information.

Chapters II and III of this report concentrate on the results of the index itself, while the four chapters that follow analyse the various transitions, as covered by the TPI (Chapters IV to VII). Chapter VIII analyses performance by income groups and regional dimensions, while Chapter IX offers avenues for reflection on open questions and linkages for future analysis.

#### Several key features emerge from the TPI results:

- While not being unduly volatile, the TPI shows that most countries have progressed over the past 10 years; there is no fatality of lagging behind.
- Each pillar presents specific characteristics resulting from the conceptual framework; most countries achieve leader or strong performance in at least one dimension or indicator.
- EU countries show good performance overall, with progress in all EU countries between 2010 and 2019.
- The TPI does not present geographical predetermination; there is no clear-cut North-South, East-West divide, including on the European continent.
- The TPI adds value to GDP as a measure of prosperity.
   Countries with low GDP per capita succeed in being among the top third either in the TPI or in some of its pillars, showing that there is room for efficiency in transition policies.
- The TPI provides a sound and robust metric to test assumptions; as shown with the important linkages found with digitalisation, trade, and resilience.
- The TPI tables and country profiles illustrate strengths and weaknesses, making it possible to contextualise the debates for policy priorities.



**TABLE 1: TPI conceptual framework and indicators** 



#### TRANSITIONS PERFORMANCE INDEX



#### **ECONOMIC TRANSITION**

Making the economy work for prosperity



#### **SOCIAL TRANSITION**

Focusing on fairness and inclusion



#### **ENVIRONMENTAL TRANSITION**

Supporting the European Green Deal objectives



#### **GOVERNANCE TRANSITION**

A new push for democracy

#### **Education**

Government expenditure in education per student (% of GDP per capita)

#### Health

Healthy life expectancy at birth (years)

#### **Emissions reduction**

Gross greenhouse gas emissions (tonnes per capita)

#### **Fundamental rights**

Voice and accountability index and rule of law index

#### Wealth

Gross domestic product (GDP) per capita, current dollars (PPP\$)

#### Work and inclusion

Employment rate of population 20-64 (%), Employment-to-population ratio gender gap 25+ (%), and Early childhood care and education (%)

#### **Biodiversity**

Terrestrial and freshwater key biodiversity areas protected (%) and pesticides use per area of cropland (kg/a)

#### Security

Homicide rate (per 100,000 inhabitants)

## Labour productivity and R&D intensity

Output per worker (2011 constant GDP PPP\$) and gross expenditure on R&D (% of GDP)

### Free or non-remunerated time

Free or non-remunerated time (%)

#### **Resource productivity**

Resource productivity (PPP\$ per kg): GDP (PPP\$) per unit of domestic material consumption (DMC) of raw materials (kg)

#### **Transparency**

Corruption Perceptions Index and Basel Money Laundering Index

#### Industrial base

Gross value added of manufacturing (% of GDP) and patent families filed in two offices (per billion PPP\$ GDP)

#### **Equality**

Gini coefficient of disposable income, post taxes and transfers and Income share held by the poorest quintile (%)

#### Energy productivity

Energy productivity (PPP\$ per koe): GDP (PPP\$) per unit of energy use (kilogram of oil equivalent, koe)

#### Sound public finances

General government gross debt (% of GDP)

Source: European Commission, Transitions Performance Index 2020.







# II. PERFORMANCE OF EUROPEAN UNION MEMBER STATES

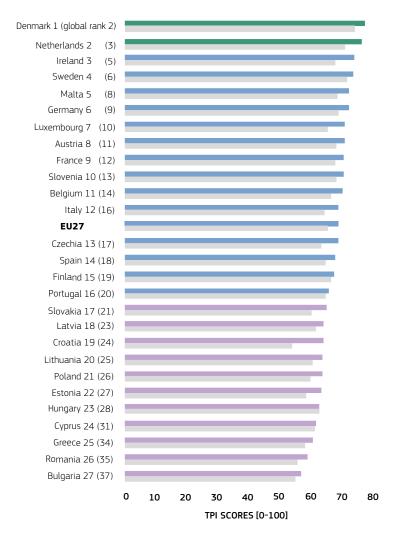
The four transitions (economic, social, environmental and governance) contribute jointly to defining a path towards a balanced situation whereby the quality of life is sustainably better.

The European Union has set an ambitious agenda in this respect and has committed to further pursue and enhance this agenda. In the middle of the COVID-19 crisis, European Commission President Ursula von der Leyen declared: 'We chose to pull each other through and invest in a common future. (...) In past crises, the better-off survived while the most vulnerable paid a heavy

price. But this time it has to be different. This time, we can only get back to our feet if we all pull each other up.'

A reference basis is a prerequisite for designing evidencebased public policies. The TPI, by presenting 10 years of data on transitions performance and progress, constitutes such a reference. It is also a measure of the degree of success of the policies that have been implemented. This chapter presents the TPI rankings and scores for the EU, thereby helping to monitor its progress towards fair and sustainable prosperity, while chapter II presents the global results (for 72 countries).

FIGURE 1: European Union Member States ranking and transition groups



<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45] Note: The number in parenthesis indicates the TPI global rank. Source: European Commission, Transitions Performance Index 2020.



All EU countries belong to either the group of transition leaders or the strong or good transition groups. None belongs to the moderate or weak transition groups (**Figure 1**). This performance is achieved while the different groups are defined with similar score intervals and a normal distribution. This is therefore a robust indication of the overall positive impact of EU orientations.

Two Member States of the so-called 'friends of the cohesion group' (Malta and Slovenia) perform better than the EU average, while Denmark (ranking first among EU countries) and the Netherlands are transition leaders. Most EU countries (16) are either transition leaders or in strong transition.

#### Progress over the 2010-2019 decade

**Table 2** shows that all EU countries have improved their performance since 2010, particularly Croatia, which showed an exceptional result of catching up (20.5%), and Ireland and Luxembourg (progress above 10%). The sharp increase in the Netherlands's TPI score demonstrates that a country can continue to progress even from a leading position, while

many strong performers continue to progress at high speed. A large number (Ireland, Luxembourg, Slovakia, Estonia, the Netherlands, Czechia, Italy, Poland, Romania, Belgium, Malta, Lithuania, and Germany) progressed above the EU average (6.5%). Latvia, Denmark, Spain, Greece, France, Austria, Slovenia, Sweden, and Bulgaria all progressed above 4%.

In contrast, strong performers such as Portugal, Finland, Sweden and Slovenia seem to have come to a standstill and are at risk of losing ground in the transition process unless they renew collective efforts. Within the EU, Hungary stands apart for its relative stagnation (0.5%).

#### Performance in the four transitions

When looking at the performance by pillar, EU Member States have not progressed sufficiently in economic and environmental transitions (**Table 2**). Pursuing ambitious targets and related investments in these domains is an absolute necessity if the EU and Member States wish to achieve balanced and sustainable prosperity.

TABLE 2: European Union TPI ranking, pillar scores and transition groups

		COUNTRY		201	.9 TRANSITIO	NS SCORES	PROGRESS	ESG GAP	
EU	TPI	NAME	TPI	ECONOMIC	SOCIAL	ENVIRONMENTAL	GOVERNANCE	2010-2019	(% OF TPI)
1	2	Denmark	77.4	71.6	84.3	72.2	83.8	5.8%	9.4%
2	3	Netherlands	76.5	65.0	84.5	74.5	82.1	9.4%	18.8%
3	5	Ireland	74.0	70.0	76.3	71.9	78.4	10.4%	6.8%
4	6	Sweden	73.8	75.2	85.7	59.2	83.7	4.5%	-2.3%
5	8	Malta	72.4	58.7	78.6	75.6	74.0	7.2%	23.6%
6	9	Germany	72.3	69.3	80.3	64.3	79.7	6.5%	5.3%
7	10	Luxembourg	71.1	66.3	75.1	61.3	85.2	10.0%	8.3%
8	11	Austria	71.0	69.7	79.7	61.6	78.3	5.6%	2.2%
9	12	France	70.6	59.6	79.8	68.3	75.1	5.6%	19.5%
10	13	Slovenia	70.4	65.5	83.1	60.8	77.8	4.8%	8.7%
11	14	Belgium	70.3	68.2	80.0	63.4	73.7	7.3%	3.7%
12	16	Italy	68.8	57.8	68.7	77.0	66.2	8.3%	20.0%
		EU27	68.8	61.4	75.4	65.2	74.5	6.5%	13.5%
13	17	Czechia	67.7	61.2	80.0	56.9	78.3	8.6%	12.1%
14	18	Spain	67.6	52.5	73.7	68.5	73.7	5.6%	27.9%
15	19	Finland	67.5	68.0	82.4	49.0	81.2	3.2%	-0.9%
16	20	Portugal	65.8	52.4	75.7	62.2	73.6	2.9%	25.5%
17	21	Slovakia	65.0	51.1	74.6	62.7	71.5	9.5%	26.7%
18	23	Latvia	64.2	53.1	67.9	67.2	65.8	5.8%	21.6%
19	24	Croatia	64.0	49.9	68.3	65.6	69.7	20.5%	27.5%
20	25	Lithuania	63.8	53.4	66.4	64.8	68.6	6.8%	20.4%
21	26	Poland	63.6	55.3	70.8	57.6	72.8	7.6%	16.3%
22	27	Estonia	63.3	60.4	74.4	47.2	79.2	9.5%	5.7%
23	28	Hungary	62.8	57.1	70.5	62.7	61.4	0.5%	11.5%
24	31	Cyprus	61.6	48.4	78.5	54.2	68.8	1.7%	26.7%
25	34	Greece	60.5	45.9	67.1	65.2	60.2	5.6%	30.1%
26	35	Romania	58.9	41.3	61.6	61.6	67.1	7.5%	37.4%
27	37	Bulgaria	56.7	42.1	62.1	55.1	66.5	4.5%	32.3%

■ Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

Notes: (1) 'ESG gap (% of TPI)' refers to the difference between the sum of the social, environmental, and governance (ESG) pillar weighted scores and the economic pillar score, as a percentage of the TPI score, in 2019. (2) 'Progress 2010-19' refers to the percentage growth of TPI scores between 2010 and 2019.

Source: European Commission, Transitions Performance Index 2020.



Similar patterns across EU countries call for a coordinated policy at least in terms of objectives and targets. In this respect, the financial contribution from the COVID-19 recovery package – Next Generation EU -- goes in the right direction. However, it is now up to each country to decide how to ensure an effective use of these resources. Moreover, this does not preclude the need for policy decisions on norms and targets that may encourage the speed of adaptation.

Among the strong performers, Sweden achieves a leadership position in economic transition, and Malta and Italy in environmental transition. Among the good performers, Estonia achieves leadership in governance and Cyprus in social transition.

In contrast, all EU countries achieve leadership or strong performance in social and governance transitions, with the exceptions of Romania and Bulgaria in social transition and Hungary and Greece in governance transition.

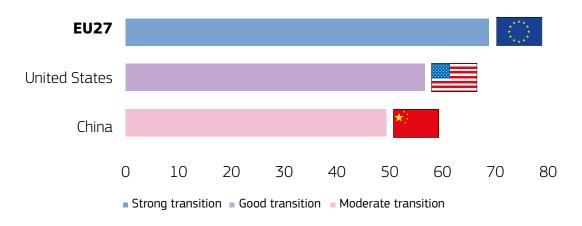
Progress in economic transition would increase the scores of Romania and Bulgaria, and to a lesser extent it would also increase the scores of Spain, Portugal, Slovakia, Latvia, Croatia, Lithuania, Cyprus, and Greece. Progress in environmental transition would increase the scores of Finland, Estonia, and Cyprus<sup>6</sup>.

As indicated by the Environmental-Social-Governance transition (ESG gap), EU Member States succeed in leveraging their economic structures to progress in these three transitions, with room for progress in the environmental dimension (for an interpretation of the ESG gap, please refer to section III.2).

### II.1. THE EUROPEAN UNION, THE UNITED STATES AND CHINA

To respond to global challenges, a global metric is needed. This is what drives the TPI 2020 effort to have a geographical coverage as large as possible, knowing that its concept can be expanded in the future to include additional countries.

FIGURE 2: European Union, United States and China scores and transition groups



<sup>6</sup> Eurostat data corroborates TPI findings in this respect. For example, Eurostat ranks for Finland, Estonia and Cyprus, are respectively: 19, 26 and 22 in GHG emissions reduction; 24, 27 and 18 in resources productivity; and 25, 26 and 15 in energy productivity, out of 27 EU Member States. Source: <a href="https://ec.europa.eu/eurostat/documents/3217494/11011074/KS-02-20-202-EN-N.pdf/334a8cfe-636a-bb8a-294a-73a052882f7f">https://ec.europa.eu/eurostat/documents/3217494/11011074/KS-02-20-202-EN-N.pdf/334a8cfe-636a-bb8a-294a-73a052882f7f</a>



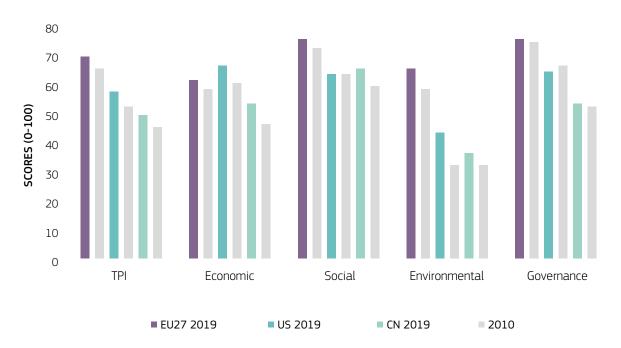
TRANSITIONS PERFORMANCE INDEX 2020

Published with the support of the European Commission, this report aims to provide a specific snapshot of: (i) the absolute performance of EU countries, (ii) their progress over time, (iii) where there is room for their improvement, and (iv) their performance relative to the EU's main trading partners with which it is important to ensure a level playing field.

**Figure 2** shows the relative position of the three main trading blocs, namely the EU, the United States, and China. The EU appears to be on track towards a sustainable future, provided the pace of its efforts does not slow down despite the difficulties of the day.

For the United States, catching up will depend partly on governmental policy orientations, but also on civil society, which in certain States has been pushing for a reduction in greenhouse gas emissions. Since 2010, China has progressed by 9.9%, the United States by 8.2% and the EU by 6.5%. However, due to the distance to the frontier defined by the TPI goalposts, unless the United States and China further intensify their efforts, it is unlikely that they can catch up within the next decade; the European Union in the meantime has recently confirmed its Green Deal priorities and announced that its COVID-19 recovery package aims at a collective effort to accelerate transitions.

FIGURE 3: European Union, United States and China TPI and pillar scores and progress since 2010



<sup>9</sup> https://www.consilium.europa.eu/en/infographics/recovery-plan-mff-2021-2027/ and https://www.consilium.europa.eu/en/infographics/ngeu-covid-19-recovery-package/



<sup>7</sup> Above the world TPI arithmetic average of 6.2 %.

<sup>8</sup> Most goalposts are based on policy targets (see Appendix II). Both targets and goalposts may be revised in the future, in view of increased ambition or global progress.

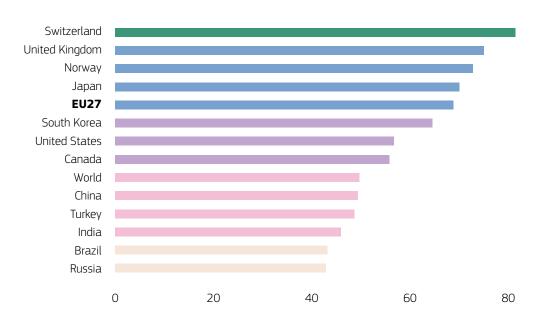
When comparing progress between the three blocs (**Figure 3**), country profiles are informative. The highest rate of progress in China is mostly in governance and economic transition (education, and labour productivity and R&D intensity). The United States' strong point is the economic pillar (with improvements in education, wealth, and labour productivity and R&D intensity and a decline in the industrial base). US progress in the environmental pillar has been facilitated by the low base level in 2010 (progress notably in resource productivity and energy productivity and despite reverse progress in greenhouse gas emissions reduction). The EU performance increased in all four pillars, particularly in the environmental pillar (notably in resource productivity and energy productivity, which together compensate for a decline in emissions reduction and limited progress in biodiversity protection).

### II.2. THE EUROPEAN UNION AND ITS MAIN TRADING PARTNERS

When extending the comparison to the EU's 10 main trading partners, the situation is less triumphant for the EU ranking, as a bigger geographical zone implies a higher risk of disparities (**Figure 4**). The EU shows strong transition. The two leaders, Switzerland and the UK, followed the EU market rules, with Switzerland belonging to the group of TPI leaders (together with EU countries Denmark and the Netherlands).

Japan is the only country outside Europe that belongs to the same league as the EU, while South Korea is not far behind. The gap with the United States and Canada is substantial; both countries are in good transition, performing better than China, Turkey, and India, which are in moderate transition, and Brazil and Russia, in weak transition. Among highly populated regions/countries, Japan and the EU have impressive performances, which highlight their efforts to contribute to the planet's sustainability.

FIGURE 4: European Union and main partners TPI scores and transition groups



■ Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45] Source: European Commission, Transitions Performance Index 2020.







### III. GLOBAL PERFORMANCE

The TPI aims at becoming a compass used to monitor the capacity of countries to face global challenges with the goal to achieve a fair and sustainable prosperity for citizens and future generations.

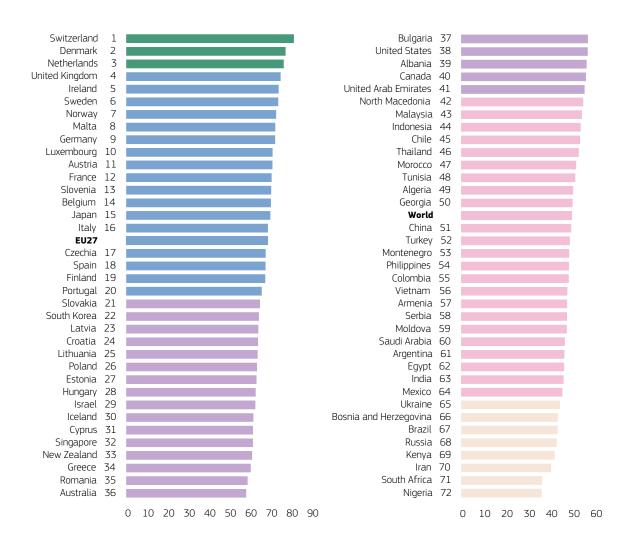
Global challenges imply a global response. Designed with a 'Beyond GDP' approach and using international comparable data, its global dimension constitutes one of the main added value of the TPI to help dialogue and citizens' involvement on a global scale.

### FIGURE 5: TPI ranking and transition groups (2019)

### III.1. TPI PERFORMANCE

### TPI ranking and scores

Score ranges of identical width define the five performance groups (**Figure 5**). Therefore there is a typical normal distribution, with 3 countries as leaders, 17 as strong performers, 21 as good performers, 23 as moderate performers and 8 in weak transition. The overall strong position of EU countries is noteworthy (see Chapter II).<sup>10</sup>



■ Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45] Source: European Commission, Transitions Performance Index 2020.

<sup>10</sup> Transition groups are: transition leader, scores equal to or above 75; strong transition, scores between 65 and 75; good transition, scores between 55 and 65; moderate transition, scores between 45 and 55; and weak transition, scores below 45.



Switzerland is the leader in economic transition, Iceland is at the top of the league in social transition, the United Kingdom leads in environmental transition and New Zealand is number one in governance transition (**Table 3**).

### Progress over the 2010-2019 decade

Progress over the past decade is defined as the percentage change in scores between 2010 and 2019 (**Table 4**). Countries exhibit moderate progress over time, but with significant differences in relative performance in levels and trends, confirming the difficulty of the transition challenge. Switzerland's performance is outstanding, as it is at the top of the ranking for the entire 2010-2019 period, and it has a balanced performance in the four dimensions. The countries which registered the highest gains over the period are Croatia, the United Arab Emirates and Georgia.

The causes for Croatia's progress can be analysed based on its country profile. This high rate of progress results from improvements in all four dimensions, with a modernisation effect noticeable on labour productivity (including the indicator on R&D investment), resources productivity, energy productivity and investment in education. In other words, the economic system became more efficient. This also led to a reduction in working time, an improvement in the situation of the poorest and an improvement in public finances. However, the industrial base tends to diminish, with a negative impact on employment levels, and progress in reducing emissions remains insufficient.

Most progress took place between 2010 and 2016. Relative stagnation has set in since 2017, with the highest advances being on indicators with a low baseline. Part of the differential in the rate of Croatia's progress seems to be attributable to a catching-up effect, to its accession to the EU in 2013, and to the pre-accession process.

**TABLE 3: Top 5 TPI pillar scores** 

TOP 5	TRANSITIONS									
107 3	<b>ECONOMIC</b>		SOCIAL		ENVIRONMENTAL		GOVERNANCE			
Ranks	Country	Score	Country	Score	Country	Score	Country	Score		
1	Switzerland	80.0	Iceland	90.1	United Kingdom	83.1	New Zealand	86.6		
2	Sweden	75.2	Norway	86.4	Switzerland	81.4	Norway	85.9		
3	South Korea	75.1	Sweden	85.7	Italy	77.0	Luxembourg	85.2		
4	Denmark	71.6	Netherlands	84.5	Malta	75.6	Denmark	83.8		
5	Ireland	70.0	Denmark	84.3	Netherlands	74.5	Sweden	83.7		

■ Transition leader [75-100] ■ Strong transition [65-75]



TRANSITIONS PERFORMANCE INDEX 2020

TABLE 4: Transitions Performance Index scores and progress (2010-2019)<sup>10</sup>

1 2	CODE CH	NAME :	2010-		2019	2018	2017	2016	2015	2014	2013	2012	2011	2010
2	CH	Switzerland												2020
		Switzeriana		7.9%	81.4	80.9	80.2	79.4	79.0	78.4	77.1	77.5	76.7	75.5
	DK	Denmark		5.8%	77.4	76.6	76.4	76.6	76.5	75.6	74.7	74.5	73.7	73.2
	NL	Netherlands		9.4%	76.5	76.1	75.4	74.3	73.1	72.9	72.1	71.4	71.1	69.9
	UK	United Kingdom		7.9%	75.0	74.3	73.7	73.2	73.1	72.2	71.1	70.8	70.4	69.5
	IE SE	Ireland		10.4% 4.5%	74.0 73.8	73.7 73.2	73.5 72.8	73.0 72.5	73.4 72.5	70.7 71.8	68.6 71.5	68.7	69.0 71.3	67.1 70.6
	NO	Sweden Norway		6.1%	73.8 72.8	73.2	72.6	72.5	70.0	70.0	68.7	71.8 69.5	68.1	68.7
	MT	Malta		7.2%	72.4	71.4	71.4	70.8	70.9	69.3	69.4	65.4	66.9	67.5
	DE	Germany		6.5%	72.3	72.2	71.5	70.4	70.5	70.0	69.2	69.1	68.7	67.9
10	LU	Luxembourg		10.0%	71.1	70.6	69.7	69.2	68.6	68.1	67.8	67.4	65.9	64.6
11	AT	Austria		5.6%	71.0	70.8	70.4	70.1	69.9	69.8	68.7	68.2	67.5	67.3
	FR	France		5.6%	70.6	70.1	69.8	69.4	68.9	68.8	68.2	67.8	67.2	66.8
	SI	Slovenia		4.8%	70.4	69.9	69.4	69.2	68.2	68.4	68.4	68.3	67.7	67.2
	BE	Belgium		7.3%	70.3	70.0	69.6	68.9	68.6	68.4	67.5	67.2	65.9	65.5
	JP	Japan		8.2%	70.0	69.4	68.9	67.8	67.8	67.0	66.2	65.6	64.9	64.6
16	IT <b>EU27</b>	Italy European Union		8.3% 6.5%	68.8 68.8	68.4 68.4	68.1 68.0	67.6 67.5	66.7 67.2	66.7 66.9	66.1 66.0	64.7 65.6	63.7 65.0	63.5 64.6
17	CZ	Czechia		8.6%	67.7	67.3	66.8	66.4	66.1	65.6	64.3	63.7	63.2	62.4
	ES	Spain		5.6%	67.6	67.0	66.7	66.4	65.5	65.3	65.1	64.8	64.3	64.0
	FI	Finland		3.2%	67.5	67.6	68.2	67.8	68.1	67.7	66.8	67.1	66.4	65.4
	PT	Portugal		2.9%	65.8	65.1	64.8	64.9	64.3	64.2	63.6	63.2	63.7	63.9
21	SK	Slovakia		9.5%	65.0	64.3	63.5	63.9	63.8	62.5	61.2	61.1	60.1	59.3
	KR	South Korea		12.0%	64.5	63.9	63.4	62.2	61.3	61.0	60.5	59.9	58.3	57.5
	LV	Latvia		5.8%	64.2	64.0	64.0	63.8	63.6	62.9	62.4	61.4	61.0	60.6
	HR	Croatia		20.5%	64.0	63.8	62.6	63.2	62.7	60.2	58.4	55.0	54.4	53.1
	LT	Lithuania		6.8%	63.8	63.5	62.6	62.2	62.2	61.9	61.1	60.6	60.3	59.7
	PL EE	Poland Estonia		7.6% 9.5%	63.6 63.3	62.9 62.3	62.7 61.7	62.8 61.1	63.3 61.4	62.6 59.3	61.0 58.1	60.3 59.0	59.3 58.4	59.1 57.8
	HU	Hungary		0.5%	62.8	62.2	62.1	62.7	62.6	62.9	62.7	62.9	62.6	62.5
	IL	Israel		12.2%	62.7	62.4	62.2	61.3	60.5	60.4	58.8	57.2	56.8	55.9
	IS	Iceland		1.6%	61.8	61.5	61.6	62.1	61.7	61.5	61.0	61.4	60.7	60.8
31	CY	Cyprus		1.7%	61.6	61.2	61.9	61.3	60.9	60.3	60.9	59.4	60.6	60.5
32	SG	Singapore		3.1%	61.6	61.4	60.6	60.4	60.2	60.3	60.6	61.0	61.5	59.7
33	NZ	New Zealand		4.7%	61.2	60.8	60.4	59.8	59.2	58.7	58.6	58.9	58.8	58.4
	EL	Greece		5.6%	60.5	60.0	59.5	58.8	58.3	57.8	57.3	56.0	56.4	57.2
	RO	Romania		7.5%	58.9	58.8	58.6	58.4	56.6	56.3	55.8	54.9	55.9	54.8
	AU BG	Australia		5.2% 4.5%	58.3	58.1	57.8 55.9	57.4 55.7	57.2 55.4	56.9 56.0	56.4 55.6	55.8	55.4 54.2	55.4 54.3
	US	Bulgaria United States		8.2%	56.7 56.7	56.3 56.2	56.0	54.9	54.6	54.0	53.8	54.4 53.9	54.2 52.9	54.5 52.4
	AL	Albania		6.2%	56.2	56.1	55.7	55.1	54.8	53.0	53.3	53.1	52.7	52.9
	CA	Canada		2.9%	55.8	55.5	55.4	55.2	54.8	54.7	54.4	54.7	54.3	54.3
41	AE	United Arab Emirates		16.6%	55.3	55.0	54.6	53.7	52.9	52.4	51.2	49.6	48.9	47.4
42	MK	North Macedonia		12.6%	54.7	54.4	52.9	53.0	52.8	51.7	50.7	49.2	48.8	48.6
43	MY	Malaysia		9.9%	54.1	53.9	53.1	52.8	52.7	52.3	51.5	51.3	50.6	49.2
	ID	Indonesia		12.4%	53.5	53.0	52.1	52.0	51.0	50.6	49.3	48.7	47.8	47.6
	CL	Chile		3.8%	53.3	53.3	52.8	53.1	53.6	53.8	52.3	51.8	51.3	51.4
	TH	Thailand		8.1%	52.7	52.5	51.9	51.0	50.8	50.1	50.4	50.1	50.3	48.7
	MA TN	Morocco Tunisia		9.7% 7.6%	51.5 51.1	51.3 51.0	50.4 50.9	50.9 51.9	51.4 51.8	51.4 50.7	50.3 50.2	50.2 49.6	46.7 48.5	47.0 47.6
	DZ	Algeria		-2.8%	50.2	50.1	50.9	49.8	49.8	50.7	51.0	51.1	51.6	51.6
	GE	Georgia	١	14.7%	49.9	49.7	50.1	50.7	47.9	47.5	45.8	45.6	45.2	43.5
	WD	World		5.4%	49.7	49.6	49.3	49.0	48.7	48.4	48.0	47.6	47.3	47.1
51	CN	China		9.9%	49.4	49.5	49.1	48.5	48.1	47.4	46.9	45.9	45.6	44.9
	TR	Turkey		6.1%	48.7	48.6	47.8	47.5	48.3	48.1	48.2	47.0	46.9	45.9
	ME	Montenegro		9.5%	48.4	48.2	47.2	45.7	46.2	45.6	46.3	45.6	44.0	44.2
	PH	Philippines		8.8%	48.3	47.8	47.1	46.5	46.6	46.4	46.0	45.2	44.9	44.4
	CO	Colombia		9.3%	48.2	48.7	48.2	47.4	47.3	46.0	45.2	46.3	45.4	44.1
	VN	Vietnam		8.0%	47.6	47.8	47.8	47.6	47.5	47.3	46.7	46.0	44.6	44.1
	AM RS	Armenia Serbia		2.9% 5.5%	47.5 47.4	47.2 47.5	45.8 47.5	45.2 46.2	45.2 46.3	45.4 46.8	46.0 46.5	46.0 46.1	46.0 45.7	46.1 44.9
	MD	Moldova		5.5% 7.6%	47.4 47.3	47.5 47.1	47.3 47.3	46.2 46.4	46.3 47.1	46.8 46.9	46.5 46.9	45.1 45.6	45.7 45.1	44.9
	SA	Saudi Arabia		7.8%	46.5	46.5	45.4	45.7	45.2	44.5	44.6	44.1	43.1	43.1
	AR	Argentina		3.6%	46.3	46.4	46.8	45.8	45.4	44.8	45.0	45.4	45.6	44.6
	EG	Egypt		1.0%	46.2	45.5	44.7	45.3	45.5	45.6	45.4	45.7	44.8	45.7
	IN	India		5.3%	45.9	45.9	45.7	45.4	44.8	44.4	44.2	43.8	43.5	43.6
	MX	Mexico		5.0%	45.3	45.2	45.0	45.4	45.5	45.0	43.8	43.6	43.1	43.1
	UA	Ukraine	1	-1.4%	44.3	44.1	43.6	42.8	43.3	43.8	44.9	45.1	44.7	44.9
	BA	Bosnia and Herzegovi		1.5%	43.3	43.2	43.2	43.1	43.2	43.3	43.4	42.3	42.6	42.7
	BR	Brazil		-2.3%	43.2	43.1	42.6	42.9	43.4	43.8	43.7	43.5	44.1	44.2
	RU KE	Russia Kenya		7.4% 2.1%	42.9 41.9	42.6 41.9	42.3 42.1	41.1 42.4	41.0 42.4	40.5 41.9	40.2 41.6	40.0 41.1	39.8 41.1	39.9 41.1
60		nenya		∠.⊥%0	41.5	41.5	42.1							
		Iran		4 1%	40.4	40.6	40.7	40.0	38.6	38.5	38.5	38.7	38.7	38.8
70	IR ZA	Iran South Africa		4.1% 2.2%	40.4 36.3	40.6 35.9	40.7 36.2	40.0 36.5	38.6 36.7	38.5 36.1	38.5 36.0	38.2 35.7	38.7 35.5	38.8 35.5

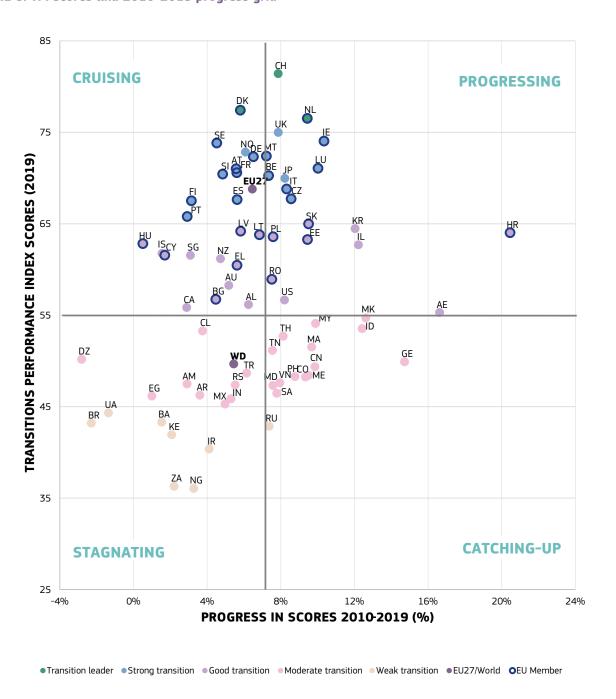
■ Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45] Notes: (1) 'ESG gap (% of TPI)' refers to the difference between the sum of the social, environmental, and governance (ESG) pillar weighted scores and the economic pillar score, as a percentage of the TPI score, in 2019. (2) 'Progress 2010-19' refers to the percentage growth of TPI scores between 2010 and 2019. Source: European Commission, Transitions Performance Index 2020.



Progress is far from being solely a catching-up effect for the countries with a low TPI score in 2010. Most of the 72 countries covered by the TPI have improved their performance, on average by 5.4%, 11 except for Algeria, Brazil, and Ukraine whose performance has receded.

**Figure 6** shows that progress is not predetermined by the starting points (weak R<sup>2</sup> of 0.0548). Some leaders or strong performers have made outstanding progress, such as Ireland, Luxembourg, the Netherlands, Czechia, Italy, Japan, the United Kingdom, Switzerland, Belgium, Malta, Germany and the EU as a whole (with growth over 6.5%).

FIGURE 6: TPI scores and 2010-2019 progress grid



<sup>11</sup> Refer to Appendix IV - Technical notes for details on the computation of the country aggregates EU27 (27 current Member States, considered over the entire 2010-2019 period) and World (which includes only the 72 countries considered in the TPI). The arithmetic average progress is 6.5%, and the average progress weighted by population is 6.9%, notably due to the weight of China.



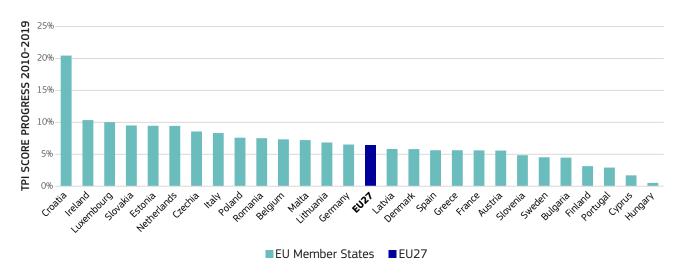
But significant progress is also noticeable in countries that belong to the other groups of performers, such as Croatia, the United Arab Emirates, Georgia, North Macedonia, Indonesia, Israel, South Korea, China, Malaysia, Morocco, Slovakia, Montenegro, Estonia, Colombia, the Philippines, the United States, Thailand, Vietnam, Saudi Arabia, Poland, Moldova, Tunisia, Romania, and Russia as shown by the following figure presenting progress above the EU level of change (**Figure 7**).

### Performance in the four transitions

Pillar performance shows that with the exception of Switzerland, no country is among the leaders in all four dimensions, which shows that there is room for progress for all (**Table 5**).

Some countries achieve leadership in some pillars, even if they do not rank at the top of the TPI; conversely, some countries lag in some pillars despite their overall good performance in TPI scores. This illustrates the specific nature of each pillar. While the public benefits from progress in each dimension, some countries may take advantage of their strengths to make progress on their relative weaknesses<sup>12</sup>. The TPI country profiles show weak points where catching up is recommended to avoid imbalances, which would destroy the economic and social consensus needed to support the global transition process.

FIGURE 7: TPI progress rates 2010-2019 (half best performers)



<sup>12</sup> The TPI being based on a reduced number of indicators, the strengths and weaknesses it points to need to be further analysed by a wider set of indicators in each dimension, based on existing large dashboards and expert views.



**TABLE 5: Transition Performance Index scores in the four transitions** 

		COUNTRY		201	19 TRANSIT	IONS SCORES		ESG GAP	PROGRESS
RANK	CODE	NAME	TPI	ECONOMIC	SOCIAL	ENVIRONMENTAL	GOVERNANCE	(% OF TPI)	2010-2019
1	CH	Switzerland	81.4	80.0	80.5	81.4	83.4	2.2%	7.9%
2	DK	Denmark	77.4	71.6	84.3	72.2	83.8	9.4%	5.8%
3 4	NL	Netherlands	76.5	65.0	84.5	74.5 83.1	82.1	18.8%	9.4%
5	UK IE	United Kingdom Ireland	75.0 74.0	54.9 70.0	77.5 76.3	71.9	77.7 78.4	33.4%	7.9%
6	SE	Sweden	73.8	75.2	85.7	59.2	83.7	-2.3%	4.5%
7	NO	Norway	72.8	66.7	86.4	59.3	85.9	10.5%	6.1%
8	MT	Malta	72.4	58.7	78.6	75.6	74.0	23.6%	7.2%
9	DE	Germany	72.3	69.3	80.3	64.3	79.7	5.3%	6.5%
10	LU	Luxembourg	71.1	66.3	75.1	61.3	85.2	8.3%	10.0%
11	AT	Austria	71.0	69.7	79.7	61.6	78.3	2.2%	5.6%
12 13	FR SI	France Slovenia	70.6 70.4	59.6 65.5	79.8 83.1	68.3 60.8	75.1 77.8	19.5% 8.7%	5.6% 4.8%
14	BE	Belgium	70.4	68.2	80.0	63.4	77.6	3.7%	7.3%
15	JP	Japan	70.0	65.3	79.3	65.4	72.6	8.4%	8.2%
16	IT	Italy	68.8	57.8	68.7	77.0	66.2	20.0%	8.3%
	EU27	European Union	68.8	61.4	75.4	65.2	74.5	13.5%	6.5%
17	CZ	Czechia	67.7	61.2	80.0	56.9	78.3	12.1%	8.6%
18	ES	Spain	67.6	52.5	73.7	68.5	73.7	27.9%	5.6%
19	FI	Finland	67.5	68.0	82.4	49.0	81.2	-0.9%	3.2%
20	PT SV	Portugal	65.8	52.4 51.1	75.7	62.2 62.7	73.6 71.5	25.5%	2.9%
21 22	SK KR	Slovakia South Korea	65.0 64.5	75.1	74.6 72.9	62.7 44.7	71.5 76.8	26.7%	9.5% 12.0%
23	LV	Latvia	64.2	53.1	67.9	67.2	65.8	21.6%	5.8%
24	HR	Croatia	64.0	49.9	68.3	65.6	69.7	27.5%	20.5%
25	LT	Lithuania	63.8	53.4	66.4	64.8	68.6	20.4%	6.8%
26	PL	Poland	63.6	55.3	70.8	57.6	72.8	16.3%	7.6%
27	EE	Estonia	63.3	60.4	74.4	47.2	79.2	5.7%	9.5%
28	HU	Hungary	62.8	57.1	70.5	62.7	61.4	11.5%	0.5%
29	IL	Israel	62.7	59.4	71.9	52.4	72.3	6.6%	12.2%
30 31	IS CY	Iceland Cyprus	61.8 61.6	66.4 48.4	90.1 78.5	29.1 54.2	81.1 68.8	-9.4% 26.7%	1.6% 1.7%
32	SG	Singapore	61.6	69.3	55.3	51.3	74.7	-15.7%	3.1%
33	NZ	New Zealand	61.2	55.8	78.9	36.0	86.6	11.0%	4.7%
34	EL	Greece	60.5	45.9	67.1	65.2	60.2	30.1%	5.6%
35	RO	Romania	58.9	41.3	61.6	61.6	67.1	37.4%	7.5%
36	AU	Australia	58.3	54.6	77.5	32.5	81.9	7.9%	5.2%
37	BG	Bulgaria	56.7	42.1	62.1	55.1	66.5	32.3%	4.5%
38	US	United States	56.7	65.7	62.7	42.8	64.1	-19.8%	8.2%
39 40	AL CA	Albania Canada	56.2 55.8	24.8 60.0	64.4 76.2	71.7 28.2	52.9 74.9	69.8%	6.2%
41	AE	United Arab Emirates	55.3	42.6	71.3	45.0	67.0	-9.3% 28.7%	16.6%
42	MK	North Macedonia	54.7	34.1	60.0	57.9	62.3	47.1%	12.6%
43	MY	Malaysia	54.1	46.8	60.2	50.1	60.6	16.9%	9.9%
44	ID	Indonesia	53.5	28.0	57.5	58.3	64.2	59.7%	12.4%
45	CL	Chile	53.3	42.0	58.2	44.9	70.2	26.5%	3.8%
46	TH	Thailand	52.7	45.1	65.0	52.4	49.4	18.0%	8.1%
47	MA	Morocco	51.5	32.8	47.5	63.6	52.7	45.4%	9.7%
48 49	TN DZ	Tunisia	51.1 50.2	37.9	54.0 57.2	55.5 55.1	53.4 48.1	32.3%	7.6%
50	GE	Algeria Georgia	49.9	37.1 27.7	58.6	48.5	62.7	32.5% 55.6%	-2.8% 14.7%
50	WD	World	49.7	46.1	55.8	48.9	48.8	9.1%	5.4%
51		China	49.4	52.9	64.7	36.2	52.7	-8.9%	9.9%
52	TR	Turkey	48.7	41.1	49.9	51.7	49.5	19.4%	6.1%
53	ME	Montenegro	48.4	21.2	59.6	50.0	59.0	70.3%	9.5%
54	PH	Philippines	48.3	24.4	49.8	62.2	46.7	61.7%	8.8%
55	CO	Colombia	48.2	29.9	50.3	65.8	36.7	47.6%	9.3%
56 57	VN AM	Vietnam Armenia	47.6 47.5	28.6 25.8	67.2 59.9	47.1 46.2	47.8 56.6	49.8% 57.2%	8.0% 2.9%
57 58	RS	Armenia Serbia	47.5 47.4	25.8 37.6	61.1	46.2 38.2	56.6 57.0	25.8%	5.5%
59	MD	Moldova	47.3	40.7	60.9	41.0	50.6	17.6%	7.6%
60	SA	Saudi Arabia	46.5	53.9	41.3	37.8	56.7	-19.9%	7.8%
61	AR	Argentina	46.3	36.3	49.3	48.8	48.2	26.8%	3.6%
62	EG	Egypt	46.2	28.1	47.4	55.8	46.2	49.0%	1.0%
63	IN	India	45.9	28.9	39.7	52.1	55.7	46.3%	5.3%
64	MX	Mexico	45.3	36.5	52.4	54.9	33.2	24.3%	5.0%
65 66	UA	Ukraine	44.3	41.8	66.3	33.8	43.5	7.1%	
		Bosnia and Herzegovina	43.3	22.5	51.9	40.3	57.3 36.8	59.9% 11.1%	1.5% -2.3%
	BA BR	Brazil	437	547					
67	BR	Brazil Russia	43.2 42.9	39.4 45.9	47.9 62.0	47.3 33.8			
		Brazil Russia Kenya	43.2 42.9 41.9	39.4 45.9 19.5	62.0 53.8	33.8 48.4	37.9 41.4	-8.9% 67.0%	7.4%
67 68	BR RU	Russia	42.9	45.9	62.0	33.8	37.9	-8.9%	7.4%
67 68 69	BR RU KE	Russia Kenya	42.9 41.9	45.9 19.5	62.0 53.8	33.8 48.4	37.9 41.4	-8.9% 67.0%	7.4% 2.1%

■ Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45] Notes: (1) 'ESG gap (% of TPI)' refers to the difference between the sum of the social, environmental, and governance (ESG) weighted scores and the economic pillar score, as a percentage of the TPI score, in 2019. (2) 'Progress 2010-19' refers to the growth of TPI scores between 2010 and 2019. Source: European Commission, Transitions Performance Index 2020.



### Transition leaders and strong performers

Countries among the TPI transition leaders and in strong transition groups are also among the strong performers in social and governance transitions. This seems to validate the assessment of the report from the Parliamentary Assembly of the Council of Europe:

"Democracy is important for sustainable economic development - from respect for human rights, the rule of law, social justice and solidarity to transparency and accountability in public affairs, through the independence of the judiciary, freedom of the press and the firm rejection of 'cronyism', corruption and business crime." <sup>13</sup>

A more detailed analysis is required to verify such a possible link over time.

The relationship between the TPI and economic and environmental transitions is more diverse. This stems from the fact that progress in these dimensions has started more recently, especially for the environmental transition, and therefore their positive effects have not yet fully materialised.

At the global level, it appears that the United Kingdom, Spain, and Portugal have room for improving their performance in economic transition as also indicated by the gap analysis (see below). It is also the case to a lesser extent for four other EU countries, Malta, France, Italy, and Czechia, as well as the EU as a whole.

For the environmental transition, Finland and to a lesser extent nine other countries lag behind. This demonstrates that the TPI overall performance should not hide the need for progress in every transition pillar.

### Good performers

Among good performers, the social and governance transitions show an overall good performance, confirming the link mentioned above for strong performers and leaders. Seven countries belong to the group of leaders for one or both transitions: Iceland, New Zealand, and Australia in both; Cyprus and Canada in social transition; and South Korea and Estonia in governance transition.

Regarding the economic transition, South Korea is ranking among the leaders second to Switzerland, while Iceland, Singapore and the United States are among the strong performers. In this dimension, the scores of Romania, Bulgaria, the United Arab Emirates and especially Albania are worrying. Seven other countries are in moderate economic transition, showing room for improvement.

Regarding the environmental transition, no country in this group ranks among the leaders. However, the strong performances of Latvia, Croatia, Greece, and Albania are noticeable, especially for Albania, showing that a strong performance in environmental transition is achievable despite a moderate performance in economic transition.

Unfortunately, scores are less satisfactory for South Korea, Iceland, New Zealand, Australia, the United States and Canada, which all perform weakly. The room for improvement is particularly high for Iceland, Australia, and Canada, where environmental scores below 35 denote a persisting gap between policy choices and global trends in this respect. It seems that the growth model is slow to shift on a large scale to adapt to a sustainable economy. This may have long-term adverse effects not only in terms of resilience and adaptation to society's demands, but also in terms of competitiveness. This may also raise concerns about a global level playing field.

### Moderate and weak performers

As expected, within the moderate and weak performers, moderate or weak performances tend to be the norm across all four dimensions.

Nevertheless, five countries achieve a strong performance in one of the four transitions: none in economic transition, China, Vietnam and Ukraine in social transition, Colombia in environmental transition, and Chile in governance transition. This demonstrates that there is no unique pattern or predetermined development path. There is room for a large variety of policy mixes, despite the globalisation of challenges.

Among weak performers, beyond the case of Ukraine in social transition, three countries achieve good performances in one dimension: Russia in social transition, Nigeria in environmental transition, and Bosnia and Herzegovina in governance transition.



### III.2. THE ENVIRONMENTAL-SOCIAL-GOVERNANCE (ESG) TRANSITION GAP

The relationship between the economic transition and the three other transitions is complex. In the business literature, ESG stands for environmental, social, and governance. These are the non-financial factors which are crucial in measuring the sustainability and stakeholder impact of a company or business, in contrast to focusing solely on shareholder profits. A similar perspective can be applied at the country level, with the ESG transition gap<sup>14</sup> (**Table 5**).

ESG transition gaps indicate, independently of the positioning on the TPI ranking, the extent to which an increased effort in economic transition is particularly needed. Countries with a positive ESG transition gap need to do more on economic transition. It is the case of several emerging and developing countries, but also for instance the case of the United Kingdom and Spain, even if to a lesser extent. In contrast, countries with pronounced negative gaps are not using sufficiently their economic resources to speed up progress in the three other pillars. This could be the case for instance of South Korea, Saudi Arabia and the United States.

For a proper interpretation for a given country, ESG transition gaps need to be considered jointly with the overall TPI score:

- It is preferable to have a high TPI score and a balanced profile (ESG transition gap around 0%). The lowest positive gap is that of Switzerland, which has already been singled out as the TPI top-ranked country, the only country with leader performance in the TPI and all four transitions. In that respect, minor negative gaps, such as the cases of Sweden and Finland, are not significantly distinct from balance.
- If the profile is not balanced, then it is better to do more on ESG, given the economic clout. Nigeria, Montenegro, Albania, Kenya, the Philippines, Bosnia and Herzegovina, Indonesia, Armenia, Georgia, Vietnam, Egypt, Colombia, North Macedonia, India, Morocco, Romania, the United Kingdom, Algeria, Bulgaria, and Tunisia all show positive gaps greater than 30%.

 The worst combination is getting a pronounced negative ESG transition gap score as in South Korea, Saudi Arabia, the United States, Singapore, Iceland, Canada, China, Russia, and South Africa (with negative gaps below -4.8%).

With this gap analysis, it is possible to identify countries having a policy mix that allows them to perform best in the TPI with their economic resources. To avoid a potentially biased interpretation resulting from low levels of economic transition, **Table 6** presents the ranking of the top 10 transition gap for countries with lead, strong or good performance in economic transition.

These ten countries are: Malta, Italy, France, the Netherlands, Poland, Czechia, Hungary, New Zealand, Norway, and Denmark for which the economic/ESG transition efficiency in the use of economic transition efforts for the other transitions is especially high. It is noteworthy that the EU shows a good performance with a positive gap of 13.5%. It is reasonable to think that the specifiers of policy mixes related to economic transition may explain the contribution to increased TPI performance; it is the role of policy analysis to scrutinise these policies.

<sup>14</sup> The ESG transition gap is computed as the difference between the weighted average of the social, environmental, and governance transition scores and the economic transition score, divided by the TPI score.



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TABLE 6: Top 10 positive ESG gap for leaders, strong or good performers in economic transition

				SCORES		ESG GAP
	ES	GG GAP TOP 10	ТРІ	ECONOMIC TRANSITION	ESG WEIGHTED AVERAGE	(% OF TPI)
1	MT	Malta	72.4	58.7	75.8	23.6%
2	IT	Italy	68.8	57.8	71.5	20.0%
3	FR	France	70.6	59.6	73.3	19.5%
4	NL	Netherlands	76.5	65.0	79.4	18.8%
5	PL	Poland	63.6	55.3	65.6	16.3%
	EU27	European Union	68.8	61.4	70.7	13.5%
6	CZ	Czechia	67.7	61.2	69.4	12.1%
7	HU	Hungary	62.8	57.1	64.3	11.5%
8	NZ	New Zealand	61.2	55.8	62.5	11.0%
9	NO	Norway	72.8	66.7	74.4	10.5%
10	DK	Denmark	77.4	71.6	78.9	9.4%

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45] Note: 'ESG gap (% of TPI)' refers to the difference between the sum of the social, environmental, and governance (ESG) pillar weighted scores and the economic pillar score, as a percentage of the TPI score, in 2019. Source: European Commission, Transitions Performance Index 2020.







## IV. ECONOMIC TRANSITION

### IV. ECONOMIC TRANSITION

### IV.1. OVERVIEW

The agenda to design an equitable and sustainable prosperity model cannot take place in a vacuum. The economy should help to achieve such a goal. For a huge transformation to occur, it is notably necessary to: (i) provide sufficient funding, (ii) secure resources for jobs, housing, food, etc., (iii) ensure that research and innovation (R&D) and training facilitate progress, (iv) invest in the education of future generations and (v) guarantee that this sound economic basis is rooted within the region in order to increase resilience worldwide.

The ranking and scores in economic transition measure progress towards such an agenda (Table 7). Switzerland (top 1), Sweden and South Korea are the only countries in the leaders group in economic transition, while 14 countries are strong performers. This demonstrates that the transition process is still in its infancy, which is corroborated by the large spread of performances across the various indicators and the near absence of strengths for the 30 weak performers. The hypothesis behind the TPI model is that the transition process cannot succeed if it is not anchored in economic transition. The scores exhibited here plead for the need for an utmost effort to progress for all countries.

### Economic transition, leaders and strong performers

Only the leader, Switzerland, has balanced strong performance in all sub-pillars. The absence of a clear pattern makes it difficult to identify what could be a successful policy mix for an economic transition model. Combining a strong performance in education and wealth, however, is a promising approach. Switzerland, Sweden, South Korea, Denmark, Austria, Germany, Belgium, Finland, Norway, Iceland, and Luxembourg indeed achieve such a combination. Nevertheless, Ireland and Singapore, both in strong economic transition, are respectively weak and moderate performers in education.

Four countries are leaders in industrial base: South Korea, Ireland, Japan, and China. And six other countries perform strongly: Switzerland, Austria, Singapore, Germany, Slovenia, and Czechia, with only four of them being EU countries. In this respect, the recent communication 'A new ERA for Research and Innovation'15 calls for a refocusing of the European Research Area on developing a strong European industrial base and technological sovereignty.

### Economic transition, good performers

All good performers are among leaders or strong performers in education, except for Israel. Estonia, Canada, Malta, Hungary, New Zealand and Poland lead in this indicator.

Apart from Israel, this group shows moderate or weak performance in labour productivity and R&D intensity (Czechia, Estonia, Canada, France, Malta, Italy, Hungary, New Zealand and Poland).

### Economic transition, moderate and weak performers

Education seems to be the factor that explains the performance of the moderate group compared to the weak performers. Latvia, Portugal, and Croatia are leaders, while the United Kingdom, Lithuania, Spain, Cyprus, Russia and Greece are strong performers.

In the group of weak performers, Ukraine and Moldavia are leaders and Brazil and Tunisia are strong performers in education.

China is the only country within these two groups to be a leader in industrial base.



**TABLE 7: Economic transition pillar ranking** 

	COUNTRY	PROGRESS			2019 50	ORES	
RANK	NAME	2010-2019	ECONOMIC TRANSITION	Education	Wealth	Labour productivity & R&D intensity	Industrial base
1	Switzerland	8.8%	80.0	87.6	88.3	69.2	74.0
2	Sweden	8.9%	75.2	96.5	72.8	65.0	62.2
3	South Korea	15.0%	75.1	71.3	59.7	69.2	93.2
4	Denmark	5.1%	71.6	88.7	71.8	63.1	60.0
5	Ireland	20.0%	70.0	38.7	100.0	60.4	87.8
6	Austria	6.8%	69.7	76.3	71.4	63.1	66.5
7	Singapore	6.1%	69.3	47.1	100.0	71.7	69.4
8	Germany	5.2%	69.3	69.5	71.4	60.4	73.5
9	Belgium	7.3%	68.2	87.6	66.0	60.5	55.3
10	Finland	-5.1%	68.0	81.1	64.0	58.0	64.2
11	Norway	9.9%	66.7	72.2	100.0	64.4	40.7
12	Iceland	5.8%	66.4	89.3	74.8	49.0	49.5
13	Luxembourg	-4.6%	66.3	66.7	100.0	62.6	46.1
14	United States	10.3%	65.7	62.4	86.8	66.7	54.2
15	Slovenia	1.6%	65.5	89.2	51.3	42.3	66.8
16	Japan	2.7%	65.3	58.2	60.7	57.3	80.7
17	Netherlands	7.8%	65.0	73.2	77.8	52.4	56.7
	European Union	5.5%	61.4	72.0	58.9	48.3	61.1
18	Czechia	8.1%	61.2	74.2	51.8	40.7	68.0
19	Estonia	9.2%	60.4	96.5	47.8	34.0	50.2
20	Canada	6.6%	60.0	76.4	67.6	44.1	49.2
21	France	2.8%	59.6	69.3	63.0	54.0	51.2
22	Israel	8.1%	59.4	57.0	52.2	71.1	58.8
23	Malta	12.0%	58.7	83.0	63.2	33.9	48.0
24	Italy	2.1%	57.8	70.4	54.0	44.3	56.7
25	Hungary	5.9%	57.1	81.4	45.4	34.6	55.4
26	New Zealand	2.5%	55.8	76.6	54.6	35.2	49.5
27	Poland	15.1%	55.3	79.0	45.2	31.8	54.0
28	United Kingdom	-4.6%	54.9	65.7	62.4	43.8	46.6
29	Australia	0.8%	54.6	64.8	71.2	49.6	36.6
30	Saudi Arabia	16.9%	53.9	58.5	74.3	48.9	39.0
31	Lithuania	6.8%	53.4	72.3	48.9	31.0	52.3
32	Latvia	8.7%	53.1	93.0	41.9	24.2	40.0
33	China	15.9%	52.9	53.6	26.0	32.1	83.8
34	Spain	1.0%	52.5	66.3	55.5	40.3	44.9
35	Portugal	-8.1%	52.4	75.9	44.9	33.6	46.4
36	Slovakia	10.9%	51.1	61.5	48.9	31.4	55.3
37	Croatia	26.4%	49.9	83.8	37.0	28.7	38.8
38	Cyprus	0.9%	48.4	67.3	55.2	29.4	37.7
39	Malaysia	9.5%	46.8	40.4	43.8	34.8	63.1
23	World	8.0%	46.1	47.5	29.5	32.4	64.8
40	Russia	17.5%	45.9	67.8	39.5	28.7	39.7
41	Greece	9.6%	45.9	65.1	40.3	34.6	38.0
42	Thailand	16.3%	45.1	54.7	27.2	20.4	64.1
43	United Arab Emirates		42.6	20.2	92.6	45.6	29.7
44		23.1% 18.0%	42.1	59.3	32.8	22.4	44.2
	Bulgaria						
45 46	Chile Ukraine	26.7%	42.0	64.6	35.1	20.1	38.6
46		-6.6%	41.8	84.6	13.0	11.5	38.3
47	Romania	6.6%	41.3	49.0	37.3	24.4	47.5 53.1
48	Turkey	25.9%	41.1	37.4	37.7	33.7	52.1
49	Moldova	0.9%	40.7	79.2	10.3	9.1	43.4
50	Brazil	9.1%	39.4	68.4	21.9	23.4	32.6
51	Tunisia	5.4%	37.9	69.2	16.9	18.7	33.6
52	South Africa	3.4%	37.7	56.9	18.3	22.3	41.6
53	Serbia	0.2%	37.6	52.2	24.8	22.9	41.4
54	Algeria	1.1%	37.1	38.7	20.9	23.9	55.2
55	Mexico	8.5%	36.5	41.6	27.8	18.7	49.1
56	Argentina	-1.7%	36.3	54.3	26.7	19.4	36.1
57	North Macedonia	31.4%	34.1	45.8	22.0	15.9	42.6
58	Morocco	14.3%	32.8	50.1	12.3	15.7	40.5
59	Iran	14.1%	32.3	41.4	23.5	26.2	33.3
60	Colombia	2.0%	29.9	44.9	20.7	11.8	33.0
61	India	4.7%	28.9	34.4	11.2	13.0	45.7
62	Vietnam	13.3%	28.6	44.6	10.8	9.3	37.6
63	Egypt	5.0%	28.1	30.0	18.7	21.1	37.0
64	Indonesia	14.2%	28.0	33.3	18.7	11.1	40.1
65	Georgia	30.5%	27.7	44.6	16.3	10.6	29.8
66	Armenia	5.4%	25.8	33.0	14.8	10.7	35.9
67	Albania	26.1%	24.8	43.9	18.7	12.0	18.3
68	Philippines	0.9%	24.4	21.9	12.6	8.5	45.5
69	Bosnia and Herzegovina	11.8%	22.5	N/A	19.0	15.6	29.5
70	Montenegro	9.6%	21.2	N/A	26.8	18.9	19.0
71	Kenya	-6.8%	19.5	35.4	5.2	10.3	19.2
72	Nigeria	37.6%	13.4	N/A	8.1	7.8	20.6
	Nigeria						

■ Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45] Note: Progress 2010-19' refers to the percentage growth of economic transition scores between 2010 and 2019. Source: European Commission, Transitions Performance Index 2020.



### IV.2. ECONOMIC TRANSITION, PROGRESS OVER 2010-2019

In terms of progress over the past decade, **Table 7** highlights:

- For many countries, their high rate of progress can be attributed to a catch-up effect<sup>16</sup> on initial low levels in economic transition. The top 10 countries in terms of progress in economic transition are Nigeria, North Macedonia, Georgia, Chile, Croatia, Albania, Turkey, the United Arab Emirates, Ireland and Bulgaria, most of them in moderate or weak TPI transition groups.
- Conversely, most of the countries with declines in performance are high-income countries (Finland, Luxembourg, Portugal, the United Kingdom), together with upper middle-income Argentina and lower middleincome countries Kenya and Ukraine.

 Countries with high scores in economic transition tend to show relatively greater progress, as shown by the countries in the top 10 in economic transition, except for Finland.

Among countries with a high level of income per capita in 2019, progress is noticeable for the United Arab Emirates, Iran, Saudi Arabia, South Korea, the United States, Norway.

As a measure of efficiency in the use of resources, progress in economic transition must be accompanied by progress in the three other transitions; this is analysed in section III.2 and **Table 5**.

<sup>16</sup> For the analysis of the four dimensions, 'catch-up effect' refers to the fact that a) the same absolute progression when applied to a low starting point corresponds to a higher percentage rate of increase and b) the initial progress can be easier by picking-up 'low hanging fruits'. Therefore, a high rate of progress that is partly due to a catch-up effect should be seen in somewhat relative terms.







### V. SOCIAL TRANSITION

### V. SOCIAL TRANSITION

### V.1. OVERVIEW

Social transition is a condition of social cohesion and resilience, much needed in case of profound transformations implying changes in training and adaptation to new life conditions. It is also a component of well-being, as it maximises welfare. The reduced choice of indicators provides a snapshot of key features, as explained in the conceptual framework.

The fact that 20 countries achieve leadership in three or four sub-pillars highlights that achieving progress in that transition is an achievable objective, and an issue of policy priorities (**Table 8**). The achievement of leadership by several countries in the second half of the ranking corroborates this assessment

### Social transition, leaders and strong performers

Among the 23 countries that are leaders in social transition, the first 7 achieve leader position in all four sub-pillars. New Zealand is the only country with a less-than-strong performance in any sub-pillar, with a merely good performance in Equality. Within this group, the Equality indicator is where the room for progress is the greatest.

In the group of strong performers, the situation is also rather satisfactory, with no country in moderate or weak transition in any of the sub-pillars, with the exception of Israel in equality, Greece in work and inclusion and Ukraine in health and free or non-remunerated time. All countries in that group achieve leadership in at least one sub-pillar, except for Croatia. Estonia achieves leadership in three dimensions, its health performance being unfortunately the factor that limits its overall score in the social transition.

### Social transition, good performers

The group of good performers in social transition presents a more dispersed performance across the four sub-pillars; the TPI may therefore be useful in drawing attention to the risks of imbalance. Performance in 'Free or non-remunerated time' appears more difficult to achieve than for the two previous groups. Singapore's weak performance in that sub-pillar seems to indicate that this difficulty can have cultural roots and that income levels are not a unique factor for explaining this.

Chile and Singapore rank among leaders for one sub-pillar; while North Macedonia and Armenia show positions of weakness; and Moldova and Algeria show both strong and weak positions, a clear demonstration of imbalance.

### Social transition, moderate and weak performers

Among moderate and weak transition countries, Egypt achieves leadership in Equality, while seven countries rank among strong performers in the health pillar. Kenya is strong in Work & inclusion, while Brazil is strong in Free or non-remunerated time.

Only Nigeria, South Africa and Kenya lag behind in health.

### V.2. SOCIAL TRANSITION, PROGRESS OVER 2010-2019

In terms of progress over the past decade, **Table 8** highlights:

- There is no clear-cut catch-up effect in social transition; results appear to be determined by internal policy choices. Among the 16 countries with moderate or weak social transition scores, Argentina, Brazil, Colombia, Iran, Mexico, the Philippines, Saudi Arabia, South Africa, Tunisia and Turkey progress by an average of 9.5% for middle income countries (all but Saudi Arabia which has progressed by 1.6%). On the other hand, Bosnia and Herzegovina, Egypt, India, Kenya, Morocco and Nigeria see their scores declining over the decade.
- There seems to be a significant divide between countries progressing and countries declining, also an indication of country-specific characteristics. Twelve countries increase their performance in social transition by more than 10% over the period, with an average of 14.7%: South Africa (+26.5%), North Macedonia, Moldova, Montenegro, Serbia, Malaysia, Malta, Colombia, Poland, Russia, Argentina and China. On the other hand, 13 countries decline: Bulgaria, the United States, Bosnia and Herzegovina, Luxembourg, Morocco, the United Arab Emirates, Egypt, India, Kenya, Ukraine, Albania, Armenia and Nigeria (-18.9%)



**TABLE 8: Social transition pillar ranking** 

	COUNTRY	PROGRESS			2019 SCORE	s	
RANK	NAME	2010-2019	SOCIAL TRANSITION	Health	Work & inclusion	Free or non- remunerated time	Equality
1	Iceland	2.7%	90.1	91.1	90.8	93.4	87.1
2	Norway Sweden	0.1% 1.7%	86.4 85.7	89.4 88.5	85.8 86.6	85.9 91.4	84.9 80.0
4	Netherlands	2.1%	84.5	87.7	83.0	86.1	82.1
5	Denmark	1.4%	84.3	85.8	83.2	86.5	82.7
6	Slovenia	6.5%	83.1	77.8	77.4	78.2	93.0
7	Finland	4.8%	82.4	82.6	76.1	82.4	85.8
8	Switzerland	3.9%	80.5	91.3	74.8	88.2	71.6
9	Germany	1.4%	80.3	84.0	80.5	88.7	72.7
10	Belgium	4.0%	80.0	83.9	76.8	72.2	83.6
11	Czechia	9.2%	80.0	73.4	71.4	76.0	91.8
12	France	6.2%	79.8	89.4	79.1	77.6	74.7
13	Austria	4.6%	79.7	86.3	73.9	80.9	77.6
14	Japan	5.7%	79.3	92.0	75.3	81.5	71.3
15	New Zealand	3.8%	78.9	89.4	85.7	83.8	64.9
16	Malta	13.7%	78.6	87.7	72.8	70.4	80.0
17 18	Cyprus Australia	2.7% 6.2%	78.5 77.5	89.7 89.4	71.8 77.7	75.5 79.4	76.0 67.9
19	United Kingdom	2.8%	77.5 77.5	89. <del>4</del> 86.5	80.7	79. <del>4</del> 82.6	66.3
20	Ireland	3.9%	77.3 76.3	87.0	74.5	72.2	72.1
21	Canada	1.8%	76.3 76.2	90.0	74.5	75.5	66.7
22	Portugal	6.7%	75.7	83.5	76.4	75.5 77.1	68.9
	European Union	4.6%	75.7 75.4	82.6	72.3	75.8	71.7
23	Luxembourg	-1.1%	75.1	87.0	78.2	76.4	64.2
24	Slovakia	8.0%	74.6	67.5	62.9	73.0	87.3
25	Estonia	9.2%	74.4	65.4	76.5	79.5	76.7
26	Spain	3.6%	73.7	90.7	69.3	74.4	63.6
27	South Korea	7.8%	72.9	85.7	69.9	61.3	72.2
28	Israel	7.9%	71.9	88.9	83.5	72.4	53.0
29	United Arab Emirates	-2.5%	71.3	69.9	67.2	84.4	67.3
30	Poland	12.3%	70.8	67.9	64.1	67.8	78.5
31	Hungary	8.2%	70.5	63.6	68.3	72.1	75.8
32	Italy	2.3%	68.7	89.9	61.4	63.1	61.0
33	Croatia	7.6%	68.3	71.2	60.3	61.8	74.5
34	Latvia	7.8%	67.9	57.9	76.5	79.2	63.7
35	Vietnam	4.6%	67.2	64.0	80.6	64.2	63.5
36	Greece	1.2%	67.1	85.0	52.5	62.2	65.4
37	Lithuania	4.7%	66.4	56.5	74.8	82.6	59.6
38	Ukraine	-5.3%	66.3	51.0	57.9	53.1	89.5
39 40	Thailand	5.0%	65.0	63.3 76.8	72.1	61.8	63.9
40	China Albania	10.4% -7.4%	64.7 64.4	76.8	68.4 53.0	57.1 55.6	58.2 70.2
42	United States	-0.8%	62.7	72.5 73.2	67.5	68.7	49.0
43	Bulgaria	-0.4%	62.1	61.8	66.3	75.0	52.6
44	Russia	11.8%	62.0	47.0	71.4	71.8	61.8
45	Romania	4.3%	61.6	62.4	62.3	65.1	58.6
46	Serbia	14.6%	61.1	68.0	57.5	61.5	58.0
47	Moldova	16.1%	60.9	52.2	50.8	30.0	90.5
48	Malaysia	14.4%	60.2	67.7	66.2	59.2	51.9
49	North Macedonia	16.8%	60.0	69.3	43.9	60.2	62.6
50	Armenia	-8.0%	59.9	62.1	43.1	56.3	70.1
51	Montenegro	16.0%	59.6	70.4	56.7	60.3	53.3
52	Georgia	4.1%	58.6	54.9	54.9	61.6	61.7
53	Chile	9.7%	58.2	76.2	56.4	58.7	46.2
54	Indonesia	6.3%	57.5	51.4	58.5	63.0	58.0
55	Algeria	0.0%	57.2	68.2	22.8	28.5	85.5
	World	3.1%	55.8	62.5	48.3	50.8	58.0
	Singapore	5.0%	55.3	98.9	51.9	29.7	40.8
57 58	Tunisia Kenya	7.8%	54.0 53.8	67.6 40.1	20.8 68.6	39.0 56.6	71.8 53.5
58 59	Mexico	-4.7% 7.8%	53.8 52.4	69.4	48.0	51.5	43.3
60	Bosnia and Herzegovina	-0.8%	51.9	66.4	46.0 27.5	25.5	70.5
61	Colombia	13.6%	50.3	64.6	56.0	61.0	30.6
62	Turkey	5.8%	49.9	64.8	30.0	50.3	50.4
63	Philippines	4.5%	49.8	47.9	59.2	49.7	45.9
64	Argentina	10.7%	49.3	69.7	39.8	34.6	48.7
65	Brazil	2.4%	47.9	61.3	59.0	65.5	21.9
66	Morocco	-1.7%	47.5	66.8	20.4	33.8	57.2
67	Egypt	-2.8%	47.4	49.6	11.1	27.9	77.7
68	Iran	6.8%	44.8	66.3	17.0	32.3	52.5
69	Saudi Arabia	1.6%	41.3	68.3	18.0	47.6	31.8
70	India	-3.9%	39.7	45.6	6.6	24.3	63.1
71	Nigeria	-18.6%	33.3	12.3	37.9	30.7	47.3
72	South Africa	26.5%	26.0	27.4	38.4	49.4	4.6

■ Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45] Note: Progress 2010-19' refers to the percentage growth of economic transition scores between 2010 and 2019. Source: European Commission, Transitions Performance Index 2020.



c) Countries with a high score in social transition all show progress, although at a lower rate. The top ten progress by an average of 3%, with high rates in Malta (+ 13.7%), Czechia (9.2%) and to a lesser extent Portugal, Slovenia, Australia, France, and Japan (above 5%).

As there is no clear pattern of progress in social transition in terms of base levels (in 2010) or income levels, explanations for diverging paths may be found in more detailed analyses of country profiles.

### V.3. TPI AND EQUALITY

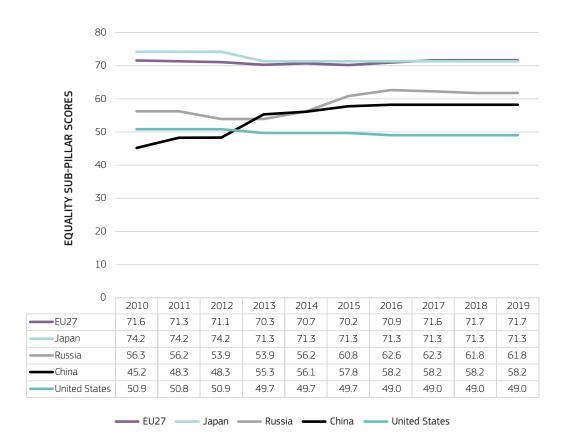
### **Evolution of inequalities**

The evolution of inequalities is a fundamental element of well-being. Economic and environmental transitions, if not sufficiently anticipated and accompanied by public measures, may affect the poorest and most vulnerable.

The Equality indicator is central to the TPI and after consultation with experts and stakeholders is measured by combining two indicators:

• The Gini coefficient, which is an objective measure of the dispersion of revenues of the whole population. Mathematically there cannot be a more comprehensive measure of inequality. The indicator was retained after taxes and social transfers, so that countries with effective income redistribution policies are recognised.

FIGURE 8: TPI equality sub-pillar scores

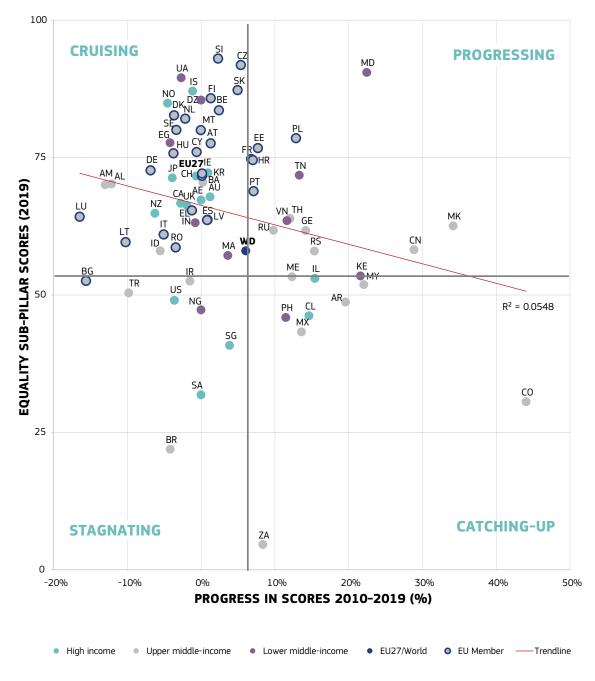




• The share of revenues held by the poorest 20% of the population<sup>17</sup>. That countries must care for the revenues of the poorest and most vulnerable segments of society is a political choice, which is complemented in other sub-pillars by minimum revenues, by concern for women gaining access to the job market.

**Figure 8** compares the degree to which some countries have evolved along this indicator over time. The EU overtakes Japan. China overtakes the United States, with Russia showing steady progress as well. The figure illustrates that the EU and Japan are in quite a different situation than China or Russia, and even more so than the United States.

FIGURE 9: Equality sub-pillar score and progress over 2010-2019



<sup>17</sup> The situation of the poorest population is already integrated in the Gini coefficient. The addition of this sub-indicator simply reinforces the need for an additional effort for that social group.



The evolution of Equality is the result of policy choices and not predetermined by any of the variables of the TPI (**Figure 9**). The evolution of the top five is particularly positive, except for Ukraine due to the impact of war.

As for the degree to which equality in the EU has evolved, the TPI Equality indicator remains quite stable after a deterioration in 2011-2013<sup>18</sup> (**Figure 8**).

### An open issue: interactions between TPI performance and inequalities

Of course, as the Equality indicator is part of the TPI, there is by definition a statistical link. However, Equality is only 1 indicator among 25, so this element does not exclude a more general reflection on the relation between inequalities and TPI as a different approach to measure prosperity.

The question examined here is not whether equality contributes to TPI, as by definition it does, but whether progress in the four transitions encourages/makes easier progress in equality. In other words, whether a policy mix that promotes progress towards harmonious and sustainable prosperity creates conditions favourable to progress in equality.

### The link between inequalities and growth

A first point to underline is that the IMF and other organisations consider in their recent publications inequalities to have a negative impact. For example, IMF research has shown that persistently high inequality is associated with lower, less durable economic growth and greater financial instability — which makes reducing inequality directly relevant for policymakers.

Income gaps between countries are narrowing. However, inequality within countries rose from the mid-1980s to the mid-2000s (especially in advanced economies). These developments are complex and vary depending on the income group and country-specific factors<sup>19</sup>.

Such an assessment by the IMF is quite new, as the relationship between inequalities and growth has been the subject of multiple economic theories with divergent conclusions.

Economists who consider inequalities to have a positive impact on growth emphasised that inequalities contribute to investment<sup>20</sup>, encourage risk-taking<sup>21</sup> and play a role in allowing the initial stage of wealth accumulation, which is needed to achieve significant investments<sup>22</sup>.

In contrast, inequalities would have a negative impact on growth because of the resulting insecurity, which would slow down investment<sup>23</sup>. Also, the absence of social consensus would block reforms and prevent economies from adapting<sup>24</sup>, and inequalities would put a brake on the accumulation of human capital necessary for modern economies<sup>25</sup>.

In reality, the interactions are multiple, and the empirical data makes it difficult to decide clearly on the dominant impact of one or more of these factors. In addition, several economists expect a U-shaped curve affecting this relationship and stress the difficulty of having reliable and comparable data between countries. Nevertheless, it seems that a new consensus highlighted by the recent IMF report<sup>18</sup> is now starting to emerge, with the conclusion that even if there is no solid quantification, the evidence that inequalities have a negative impact on growth is clearer. This is for instance the opinion of Paul Krugman, who first had been reluctant to reach such a conclusion<sup>26</sup>.



<sup>18</sup> The financial crisis (2008-2010), banking crisis (2010-2012) and sovereign debt crisis (mainly 2010-2014) may have had an impact, but the linkages are not assessed here.

<sup>19</sup> IMF (2018). IMF Annual Report 2018: Building a shared future

<sup>20</sup> Nicholas Kaldor, 1957, A Model of Economic Growth, The Economic Journal, Volume 67, Issue 268, 1 December 1957, Pages 591–624, https://doi.org/10.2307/2227704

<sup>21</sup> Noble laureate 1996 James A. Mirrlees, 1971, An Exploration in the Theory of Optimum Income Taxation, Review of Economic Studies 38: 175–20, arguing in favour of an optimal maximum level of taxation in order not to excessively reduce such incentives.

<sup>22</sup> Galor, Oded & Tsiddon, Daniel, 1997, Technological Progress, Mobility, and Economic Growth, American Economic Review, American Economic Association, vol. 87(3), pages 363-382, June.

<sup>23</sup> Douqlas A. Hibs, Jr., 1973, Mass Political Violence: A Ooss-National Causal Analysis. New York: John Wiley and Sons.

<sup>24</sup> Fernandez, Raquel & Rodrik, Dani, 1991, Resistance to Reform: Status Quo Bias in the Presence of Individual-Specific Uncertainty, American Economic Review, American Economic Association, vol. 81(5), pages 1146-1155, December

<sup>25</sup> Knack, Stephen and Keefer, Philip, 1996, Does inequality harm growth only in democracies? A replication and extension, World Bank, https://mpra.ub.uni-muenchen.de/25043/1/MPRA\_paper\_25043.pdf

<sup>26</sup> Paul Krugman, « Inequality is a drag », New-York Times (8 August 2014)

The TPI report provides two new elements. First, by making it possible to replace the 'growth' variable (defined by the variation in GDP) by a holistic TPI metric, it is possible to better integrate the elements of the second group of economists, which target systemic disturbances in the functioning of the economy in the event of excessive inequalities. Second, by using a definition of inequalities that can adapt to societies with different patterns of wealth distribution, it facilitates comparison between countries.

However, even with these two new elements, the impact of inequalities on fair and sustainable prosperity as measured by the TPI remains a challenge that this report does not address.

At this stage, let us instead consider a related question. If the promotion of less unequal societies is a political objective considered desirable by our societies, especially in times of transformation, what are the conditions that favour such a development? To do this, the correlation between the TPI Equality sub-pillar and other TPI indicators, including the TPI index and each of the four transitions, was tested. None of the elements taken in isolation has a marked correlation with Equality. On the other hand, the TPI has a net positive correlation of 0.56 with Equality in 2019, higher than with other sub-indicator.

In conclusion, the transition process as illustrated by the TPI does not increase inequalities. In addition, it is not so much a targeted policy, but rather a set of policies aimed at creating a model of sustainable prosperity, which would constitute the most favourable ground for reducing inequalities.

### V.4. A NEW PERSPECTIVE ON UNEMPLOYMENT AND FREE OR NON-REMUNERATED TIME

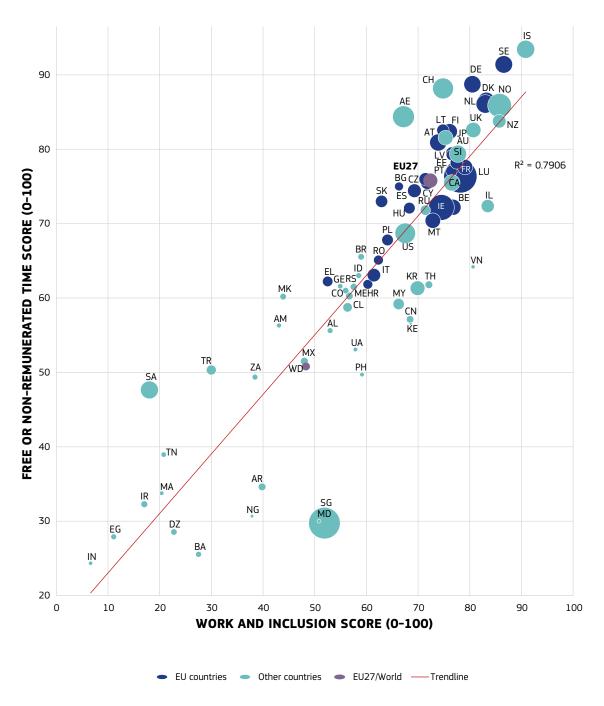
Economic theorists tend to consider the reduction of working time as a factor that increases the cost of employment and therefore unemployment. However, this relation is not linear; beyond a certain length, the average duration of work has a negative impact on health and productivity, and on the real net cost of work. Moreover, the situation can be more complex when considering not only the impact on firms but also the global welfare. Balanced working time favours the sharing of tasks within households, work inclusion and open job markets. In addition, during transformative processes job destruction may temporarily exceed job creation. Therefore, the reduction of working hours may during these periods of time have a balancing effect that maintains the overall consumption level and has a positive impact on the economy and job inclusion.

With the TPI, two new elements can be exploited. First, it is possible to consider unemployment with an emphasis on inclusion. Second, it is possible to consider the value of 'free and non-remunerated time', calculated for the whole population rather than working hours calculated only for the employed population. In addition, the profound transitions affect many aspects of life. The relationship between employment and working time is therefore highly context-dependent, and the TPI database covering a decade could be useful to track the changes over time.

**Figure 10** relates to the sub-pillar Work and inclusion and the sub-pillar Free and non-remunerated time. The two series are largely correlated (R2 0.7893), with a correlation that increases over time (R2 of 0.7303 in 2010). In terms of increasing free or non-remunerated time for citizens, the social transition therefore does not seem to be in contradiction with the development of a lively and inclusive job market.



FIGURE 10: Work and inclusion and free or non-remunerated time sub-pillars (2019)









# VI. ENVIRONMENTAL TRANSITION

### VI. ENVIRONMENTAL TRANSITION

### VI.1. OVERVIEW

Environmental transition poses a difficult challenge for countries. Moreover, as the investments and reforms needed are sometimes painful and take time to bear fruit, the transition may be negatively (or moderately) correlated with the other transitions. Consequently, the upper goalposts for this transition have been set at moderate levels to gauge progress, but they could be tightened in future editions. As a result, progress in environmental transition is only a provisional assessment (**Table 9**).

The overall picture shows **significant progress in the reduction of greenhouse gas (GHG) emissions and in the protection of biodiversity**<sup>27</sup>: 41 countries are leaders or strong performers for Emissions reduction indicator and 31 for Biodiversity indicator. In contrast, resource efficiency remains a weak point, with only 9 countries as leaders or strong performers and 40 as weak performers. Energy productivity falls in between.

The environmental transition is a global endeavour. For instance, resource productivity raises issues related to personal choices and way of life. To which extent can GDP growth be decoupled from material consumption? Innovation, the circular economy, digitalisation, and informed consumer choices all contribute to this objective. The multifaceted changes required to meet the environmental challenge make it difficult to tackle it but do not reduce its core importance.

Another issue is the geographical divide as regards the Environmental transition: of the 15 leaders or strong performers, only 2 (Colombia and Japan) are not European countries. Of the 23 good performers, only 7 countries (Morocco, Philippines, Indonesia, Nigeria, Egypt, Tunisia, and Algeria) are outside Europe.

### Environmental transition, leaders and strong performers

The United Kingdom, Switzerland, Italy, and Malta, all European countries, are leaders in environmental transition, with a balanced high performance on the four indicators, except for the moderate performance of Switzerland in biodiversity protection.

The Netherlands, Denmark, Ireland, Albania, Spain, France, Latvia, Colombia, Croatia, Japan, and Greece are strong performers. Their performance is quite balanced across the indicators, apart from resource productivity, where Denmark, Albania, Latvia, Croatia and Greece are weak performers. Several countries are environmental leaders for several dimensions. This is notably the case of Albania whose overall score is hampered only by resource productivity, while the Netherlands, Denmark, Ireland and Colombia are leaders in two environmental indicators.

### Environmental transition, good performers

The group of good performers comprises 23 countries. Three are leaders or strong performers in three dimensions: Morocco, Portugal and Romania. Twelve are leaders or strong performers in two dimensions: Lithuania, Germany, Belgium, Slovakia, Hungary, Philippines, Austria, Luxembourg, Sweden, Indonesia, North Macedonia and Nigeria. Most of these efforts are related to emissions reductions and biodiversity.

Resource productivity is weak for nearly all countries. Luxembourg and Belgium, however, succeed in achieving leader and strong performance respectively.

<sup>27</sup> Differences in progress may be related to differences in pressure from national public opinions on governmental choices. Indeed, climate change has high visibility, while energy and resource productivity seems less prominent in a context where the cost of energy is lower than in past decades and where the environmental impact of using material resources is often delocalised together with production and trade. The TPI, by focusing on four distinct challenges (sub-pillars on GHG emissions, energy and material resources productivity, and biodiversity protection), will help to increase the visibility of these different aspects of the environmental transition.



TABLE 9: Environmental pillar ranking

	COUNTRY	PROGRESS			2019 SCORES		
RANK	NAME	2010-2019	ENVIRONMENTAL TRANSITION	Emissions reduction	Biodiversity	Resource productivity	Energy productivity
1	United Kingdom	23.5%	83.1	67.9	84.3	94.0	86.2
2	Switzerland	14.5%	81.4	74.2	51.4	100.0	100.0
3	Italy	20.6%	77.0	69.6	76.2	83.1	79.1
4	Malta	10.5%	75.6	77.1	66.2	58.9	100.0
5	Netherlands	24.2%	74.5	50.0	82.3	100.0	65.8
6	Denmark	18.1%	72.2	63.3	94.3	38.2	93.1
7	Ireland	16.8%	71.9	44.6	84.9	58.1	100.0
8	Albania	11.0%	71.7	87.1	88.6	30.8	80.3
9	Spain	19.1%	68.5	67.9	55.9	76.5	73.7
10	France	12.4%	68.3	70.0	78.4	64.8	60.2
		8.0%	67.2	74.6	96.3	36.1	61.8
11	Latvia		and the second s				
12	Colombia	13.2%	65.8	86.8	40.3	45.3	90.9
13	Croatia	<b>3</b> 5.7%	65.6	74.2	81.8	44.1	62.3
14	Japan	19.0%	65.4	57.9	56.3	84.0	63.6
15	Greece	10.4%	65.2	61.7	85.1	44.9	69.2
	European Union	13.3%	65.2	62.9	78.4	50.8	68.6
16	Lithuania	7.0%	64.8	69.6	92.3	34.3	62.9
17	Germany	13.4%	64.3	52.9	78.0	57.0	69.2
18	Morocco	21.8%	63.6	90.8	71.7	19.5	72.5
19	Belgium	18.6%	63.4	56.3	80.0	67.2	50.2
20	Slovakia	16.4%	62.7	66.7	83.9	45.3	55.2
21	Hungary	5.1%	62.7	72.5	84.1	36.5	57.8
22		_	62.2	72.3	67.4		78.6
	Portugal	9.6%				33.0	
23	Philippines	11.5%	62.2	93.6	38.7	41.1	75.3
24	Austria	9.4%	61.6	60.0	70.4	45.1	70.9
25	Romania	14.2%	61.6	75.4	76.2	20.3	74.5
26	Luxembourg	31.4%	61.3	16.7	64.2	80.5	83.8
27	Slovenia	15.7%	60.8	64.6	78.5	44.4	55.5
28	Norway	21.0%	59.3	57.1	61.7	48.8	69.5
29	Sweden	11.9%	59.2	77.1	67.3	37.3	55.2
30	Indonesia	18.3%	58.3	85.9	43.9	31.6	71.8
31	North Macedonia	11.6%	57.9	74.0	66.6	32.2	59.0
32	Poland	10.7%	57.5 57.6	54.2	88.6	29.2	58.4
33	Nigeria	6.4%	57.2	93.8	69.3	30.9	34.8
34	Czechia	13.8%	56.9	48.8	91.3	40.6	47.1
35	Egypt	5.8%	55.8	87.7	44.5	30.3	60.5
36	Tunisia	10.9%	55.5	85.8	53.1	23.2	59.8
37	Algeria	-1.1%	55.1	82.9	56.1	30.5	50.8
38	Bulgaria	2.9%	55.1	63.3	97.7	20.0	39.3
39	Mexico	12.6%	54.9	76.1	36.2	42.4	64.9
40	Cyprus	17.0%	54.2	51.7	57.8	37.9	69.5
41	Israel	27.3%	52.4	58.9	20.8	54.8	75.2
42	Thailand	6.2%	52.4	73.6	63.6	26.2	46.2
43	India	12.8%	52.1	92.9	35.9	25.5	54.1
44				72.1	19.4	36.4	78.9
	Turkey	10.6%	51.7				
45	Singapore	1.2%	51.3	59.9	21.1	52.4	71.9
46	Malaysia	14.9%	50.1	63.6	51.4	34.7	50.8
47	Montenegro	15.5%	50.0	76.8	26.8	41.9	54.5
48	Finland	16.1%	49.0	56.7	78.7	23.1	37.4
	World	10.6%	48.9	71.7	45.0	27.1	51.8
49	Argentina	1.1%	48.8	68.7	41.8	30.4	54.2
	Georgia	12.7%	48.5	84.8	36.9	28.6	43.7
51	Kenya	7.2%	48.4	95.7	47.4	19.9	30.5
		7.2%			47.4		
52	Brazil	-0.8%	47.3	78.7	47.4 33.4	21.5	55.7
52 53	Brazil Estonia	-0.8% 9.9%	47.3 47.2	78.7 33.3	47.4 33.4 93.9	21.5 17.4	55.7 44.1
52 53 54	Brazil Estonia Vietnam	-0.8% 9.9% 11.2%	47.3 47.2 47.1	78.7 33.3 86.6	47.4 33.4 93.9 49.1	21.5 17.4 12.2	55.7 44.1 40.4
52 53 54 55	Brazil Estonia Vietnam Armenia	-0.8% 9.9% 11.2% 4.6%	47.3 47.2 47.1 46.2	78.7 33.3 86.6 82.6	47.4 33.4 93.9 49.1 38.6	21.5 17.4 12.2 16.9	55.7 44.1 40.4 46.9
52 53 54 55 56	Brazil Estonia Vietnam Armenia United Arab Emirates	-0.8% 9.9% 11.2% 4.6% 55.0%	47.3 47.2 47.1 46.2 45.0	78.7 33.3 86.6 82.6 12.6	47.4 33.4 93.9 49.1 38.6 57.9	21.5 17.4 12.2 16.9 58.9	55.7 44.1 40.4 46.9 50.7
52 53 54 55 56 57	Brazil Estonia Vietnam Armenia United Arab Emirates Chile	-0.8% 9.9% 11.2% 4.6% 55.0%	47.3 47.2 47.1 46.2 45.0 44.9	78.7 33.3 86.6 82.6 12.6 74.4	47.4 33.4 93.9 49.1 38.6 57.9 39.1	21.5 17.4 12.2 16.9 58.9 11.2	55.7 44.1 40.4 46.9 50.7 54.7
52 53 54 55 56 57 58	Brazil Estonia Vietnam Armenia United Arab Emirates Chile South Korea	-0.8% 9.9% 11.2% 4.6% 55.0% 2.0%	47.3 47.2 47.1 46.2 45.0 44.9	78.7 33.3 86.6 82.6 12.6 74.4 43.3	47.4 33.4 93.9 49.1 38.6 57.9 39.1 30.0	21.5 17.4 12.2 16.9 58.9 11.2 67.0	55.7 44.1 40.4 46.9 50.7 54.7 38.4
52 53 54 55 56 57 58 59	Brazil Estonia Vietnam Armenia United Arab Emirates Chile South Korea United States	-0.8% 9.9% 11.2% 4.6% 55.0% 2.0% 26.7% 32.7%	47.3 47.2 47.1 46.2 45.0 44.9 44.7 42.8	78.7 33.3 86.6 82.6 12.6 74.4 43.3 17.8	47.4 33.4 93.9 49.1 38.6 57.9 39.1 30.0 49.0	21.5 17.4 12.2 16.9 58.9 11.2 67.0 59.2	55.7 44.1 40.4 46.9 50.7 54.7 38.4 45.3
52 53 54 55 56 57 58 59	Brazil Estonia Vietnam Armenia United Arab Emirates Chile South Korea	-0.8% 9.9% 11.2% 4.6% 55.0% 2.0%	47.3 47.2 47.1 46.2 45.0 44.9	78.7 33.3 86.6 82.6 12.6 74.4 43.3	47.4 33.4 93.9 49.1 38.6 57.9 39.1 30.0	21.5 17.4 12.2 16.9 58.9 11.2 67.0	55.7 44.1 40.4 46.9 50.7 54.7 38.4 45.3 29.7
52 53 54 55 56 57 58 59	Brazil Estonia Vietnam Armenia United Arab Emirates Chile South Korea United States Iran	-0.8% 9.9% 11.2% 4.6% 55.0% 2.0% 26.7% 32.7%	47.3 47.2 47.1 46.2 45.0 44.9 44.7 42.8	78.7 33.3 86.6 82.6 12.6 74.4 43.3 17.8	47.4 33.4 93.9 49.1 38.6 57.9 39.1 30.0 49.0	21.5 17.4 12.2 16.9 58.9 11.2 67.0 59.2	55.7 44.1 40.4 46.9 50.7 54.7 38.4 45.3
52 53 54 55 56 57 58 59 60	Brazil Estonia Vietnam Armenia United Arab Emirates Chile South Korea United States Iran Moldova	-0.8% 9.9% 11.2% 4.6% 55.0% 2.0% 26.7% 32.7%	47.3 47.2 47.1 46.2 45.0 44.9 44.7 42.8 42.5	78.7 33.3 86.6 82.6 12.6 74.4 43.3 17.8 67.3	47.4 33.4 93.9 49.1 38.6 57.9 39.1 30.0 49.0 52.1	21.5 17.4 12.2 16.9 58.9 11.2 67.0 59.2 20.9	55.7 44.1 40.4 46.9 50.7 54.7 38.4 45.3 29.7
52 53 54 55 56 57 58 59 60 61 62	Brazil Estonia Vietnam Armenia United Arab Emirates Chile South Korea United States Iran Moldova Bosnia and Herzegovina	-0.8% 9.9% 11.2% 4.6% 55.0% 2.0% 26.7% 32.7% -1.7% 5.8% 0.9%	47.3 47.2 47.1 46.2 45.0 44.9 44.7 42.8 42.5 41.0 40.3	78.7 33.3 86.6 82.6 12.6 74.4 43.3 17.8 67.3 88.3 65.8	47.4 33.4 93.9 49.1 38.6 57.9 39.1 30.0 49.0 52.1 31.3 42.4	21.5 17.4 12.2 16.9 58.9 11.2 67.0 59.2 20.9 14.6 22.9	55.7 44.1 40.4 46.9 50.7 54.7 38.4 45.3 29.7 30.0 30.1
52 53 54 55 56 57 58 59 60 61 62 63	Brazil Estonia Vietnam Armenia United Arab Emirates Chile South Korea United States Iran Moldova Bosnia and Herzegovina South Africa	-0.8% 9.9% 11.2% 4.6% 55.0% 2.0% 26.7% 32.7% -1.7% 5.8% 0.9% 8.2%	47.3 47.2 47.1 46.2 45.0 44.9 44.7 42.8 42.5 41.0 40.3 38.5	78.7 33.3 86.6 82.6 12.6 74.4 43.3 17.8 67.3 88.3 65.8 61.6	47.4 33.4 93.9 49.1 38.6 57.9 39.1 30.0 49.0 52.1 31.3 42.4 43.5	21.5 17.4 12.2 16.9 58.9 11.2 67.0 59.2 20.9 14.6 22.9 21.1	55.7 44.1 40.4 46.9 50.7 54.7 38.4 45.3 29.7 30.0 30.1 27.9
52 53 54 55 56 57 58 59 60 61 62 63 64	Brazil Estonia Vietnam Armenia United Arab Emirates Chile South Korea United States Iran Moldova Bosnia and Herzegovina South Africa Serbia	-0.8% 9.9% 11.2% 4.6% 55.0% 2.0% 26.7% 32.7% -1.7% 5.8% 0.99% 8.2% 12.5%	47.3 47.2 47.1 46.2 45.0 44.9 44.7 42.8 42.5 41.0 40.3 38.5 38.2	78.7 33.3 86.6 82.6 12.6 74.4 43.3 17.8 67.3 88.3 65.8 61.6 66.4	47.4 33.4 93.9 49.1 38.6 57.9 39.1 30.0 49.0 52.1 31.3 42.4 43.5 30.5	21.5 17.4 12.2 16.9 58.9 11.2 67.0 59.2 20.9 14.6 22.9 21.1 18.1	55.7 44.1 40.4 46.9 50.7 54.7 38.4 45.3 29.7 30.0 30.1 27.9 38.0
52 53 54 55 56 57 58 59 60 61 62 63 64 65	Brazil Estonia Vietnam Armenia United Arab Emirates Chile South Korea United States Iran Moldova Bosnia and Herzegovina South Africa Serbia Saudi Arabia	-0.8% 9.9% 11.2% 4.6% 55.0% 26.7% 32.7% -1.7% 5.8% 0.9% 8.2% 12.5% 15.3%	47.3 47.2 47.1 46.2 45.0 44.9 44.7 42.8 42.5 41.0 40.3 38.5 38.2 37.8	78.7 33.3 86.6 82.6 12.6 74.4 43.3 17.8 67.3 88.3 65.8 61.6 66.4 37.4	47.4 33.4 93.9 49.1 38.6 57.9 39.1 30.0 49.0 52.1 31.3 42.4 43.5 30.5 34.2	21.5 17.4 12.2 16.9 58.9 11.2 67.0 59.2 20.9 14.6 22.9 21.1 18.1 38.5	55.7 44.1 40.4 46.9 50.7 54.7 38.4 45.3 29.7 30.0 30.1 27.9 38.0 41.4
52 53 54 55 56 57 58 59 60 61 62 63 64 65 66	Brazil Estonia Vietnam Armenia United Arab Emirates Chile South Korea United States Iran Moldova Bosnia and Herzegovina South Africa Serbia Saudi Arabia China	-0.8% 9.9% 11.2% 4.6% 55.0% 2.0% 26.7% 32.7% -1.7% 5.8% 0.9% 8.2% 12.5% 15.3% 14.5%	47.3 47.2 47.1 46.2 45.0 44.9 44.7 42.8 42.5 41.0 40.3 38.5 38.2 37.8 36.2	78.7 33.3 86.6 82.6 12.6 74.4 43.3 17.8 67.3 88.3 65.8 61.6 66.4 37.4 64.0	47.4 33.4 93.9 49.1 38.6 57.9 39.1 30.0 49.0 52.1 31.3 42.4 43.5 30.5 34.2 30.2	21.5 17.4 12.2 16.9 58.9 11.2 67.0 59.2 20.9 14.6 22.9 21.1 18.1 38.5 13.0	55.7 44.1 40.4 46.9 50.7 54.7 38.4 45.3 29.7 30.0 30.1 27.9 38.0 41.4 37.7
52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67	Brazil Estonia Vietnam Armenia United Arab Emirates Chile South Korea United States Iran Moldova Bosnia and Herzegovina South Africa Serbia Saudi Arabia China New Zealand	-0.8% 9.9% 11.2% 4.6% 55.0% 2.0% 26.7% 32.7% -1.7% 5.8% 0.9% 8.2% 12.5% 15.3% 14.5%	47.3 47.2 47.1 46.2 45.0 44.9 44.7 42.8 42.5 41.0 40.3 38.5 38.2 37.8 36.2 36.0	78.7 33.3 86.6 82.6 12.6 74.4 43.3 17.8 67.3 88.3 65.8 61.6 66.4 37.4 64.0 28.4	47.4 33.4 93.9 49.1 38.6 57.9 39.1 30.0 49.0 52.1 31.3 42.4 43.5 30.5 34.2 30.2 37.7	21.5 17.4 12.2 16.9 58.9 11.2 67.0 59.2 20.9 14.6 22.9 21.1 18.1 38.5 13.0 30.3	55.7 44.1 40.4 46.9 50.7 54.7 38.4 45.3 29.7 30.0 30.1 27.9 38.0 41.4 37.7 47.5
52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68	Brazil Estonia Vietnam Armenia United Arab Emirates Chile South Korea United States Iran Moldova Bosnia and Herzegovina South Africa Serbia Saudi Arabia China New Zealand Ukraine	-0.8% 9.9% 11.2% 4.6% 55.0% 2.0% 26.7% 32.7% -1.7% 5.8% 0.9% 8.2% 12.5% 15.3% 14.5%	47.3 47.2 47.1 46.2 45.0 44.9 44.7 42.8 42.5 41.0 40.3 38.5 38.2 37.8 36.2 36.0 33.8	78.7 33.3 86.6 82.6 12.6 74.4 43.3 17.8 67.3 88.3 65.8 61.6 66.4 37.4 64.0 28.4	47.4 33.4 93.9 49.1 38.6 57.9 39.1 30.0 49.0 52.1 31.3 42.4 43.5 30.5 34.2 30.2 37.7 33.2	21.5 17.4 12.2 16.9 58.9 11.2 67.0 59.2 20.9 14.6 22.9 21.1 18.1 38.5 13.0 30.3 12.3	55.7 44.1 40.4 46.9 50.7 54.7 38.4 45.3 29.7 30.0 30.1 27.9 38.0 41.4 37.7 47.5
52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67	Brazil Estonia Vietnam Armenia United Arab Emirates Chile South Korea United States Iran Moldova Bosnia and Herzegovina South Africa Serbia Saudi Arabia China New Zealand	-0.8% 9.9% 11.2% 4.6% 55.0% 2.0% 26.7% 32.7% -1.7% 5.8% 0.9% 8.2% 12.5% 15.3% 14.5%	47.3 47.2 47.1 46.2 45.0 44.9 44.7 42.8 42.5 41.0 40.3 38.5 38.2 37.8 36.2 36.0	78.7 33.3 86.6 82.6 12.6 74.4 43.3 17.8 67.3 88.3 65.8 61.6 66.4 37.4 64.0 28.4	47.4 33.4 93.9 49.1 38.6 57.9 39.1 30.0 49.0 52.1 31.3 42.4 43.5 30.5 34.2 30.2 37.7	21.5 17.4 12.2 16.9 58.9 11.2 67.0 59.2 20.9 14.6 22.9 21.1 18.1 38.5 13.0 30.3	55.7 44.1 40.4 46.9 50.7 54.7 38.4 45.3 29.7 30.0 30.1 27.9 38.0 41.4 37.7 47.5
52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68	Brazil Estonia Vietnam Armenia United Arab Emirates Chile South Korea United States Iran Moldova Bosnia and Herzegovina South Africa Serbia Saudi Arabia China New Zealand Ukraine	-0.8% 9.9% 11.2% 4.6% 55.0% 2.0% 26.7% 32.7% 5.8% 0.9% 8.2% 12.5% 15.3% 14.5% 16.4% 9.0%	47.3 47.2 47.1 46.2 45.0 44.9 44.7 42.8 42.5 41.0 40.3 38.5 38.2 37.8 36.2 36.0 33.8	78.7 33.3 86.6 82.6 12.6 74.4 43.3 17.8 67.3 88.3 65.8 61.6 66.4 37.4 64.0 28.4	47.4 33.4 93.9 49.1 38.6 57.9 39.1 30.0 49.0 52.1 31.3 42.4 43.5 30.5 34.2 30.2 37.7 33.2	21.5 17.4 12.2 16.9 58.9 11.2 67.0 59.2 20.9 14.6 22.9 21.1 18.1 38.5 13.0 30.3 12.3	55.7 44.1 40.4 46.9 50.7 54.7 38.4 45.3 29.7 30.0 30.1 27.9 38.0 41.4 37.7 47.5
52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68	Brazil Estonia Vietnam Armenia United Arab Emirates Chile South Korea United States Iran Moldova Bosnia and Herzegovina South Africa Serbia Saudi Arabia China New Zealand Ukraine Russia Australia	-0.8% 9.9% 11.2% 4.6% 55.0% 2.0% 26.7% 82.7% -1.7% 5.8% 10.9% 8.2% 12.5% 15.3% 14.5% 16.4% 9.0% 0.7%	47.3 47.2 47.1 46.2 45.0 44.9 44.7 42.8 42.5 41.0 40.3 38.5 38.2 37.8 36.2 36.0 33.8	78.7 33.3 86.6 82.6 12.6 74.4 43.3 17.8 67.3 88.3 65.8 61.6 66.4 37.4 64.0 28.4 69.6 38.4	47.4 33.4 93.9 49.1 38.6 57.9 39.1 30.0 49.0 52.1 31.3 42.4 43.5 30.5 34.2 30.2 37.7 33.2 41.6	21.5 17.4 12.2 16.9 58.9 11.2 67.0 59.2 20.9 14.6 22.9 21.1 18.1 38.5 13.0 30.3 12.3 30.9	55.7 44.1 40.4 46.9 50.7 54.7 38.4 45.3 29.7 30.0 30.1 27.9 38.0 41.4 37.7 47.5 19.8 24.2

■ Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45] Note: 'Progress 2010-19' refers to the percentage growth of governance transition scores between 2010 and 2019. Source: European Commission, Transitions Performance Index 2020.



The case of Nigeria is noteworthy. While it ranks last in the TPI, it achieves leader performance in the reduction of GHG emissions and strong performance in biodiversity. Indonesia, among the ten countries at the end of the TPI ranking, is also among the leaders in GHG emissions reduction and a strong performer in energy productivity. Its overall environmental score is, however, undermined by a low performance in biodiversity protection and in resource productivity.

### Environmental transition, moderate and weak performers

Two main opposite patterns emerge from the data on the 34 countries that compose the moderate and weak performance groups.

The first pattern is the large number of countries, which despite lagging in their environmental score, demonstrate leadership or strong performance in one or more subpillars, such as Turkey in GHG emissions and energy productivity; and 23 countries (Mexico, Cyprus, Israel, Thailand, India, Singapore, Montenegro, Finland, Argentina, Georgia, Kenya, Brazil, Estonia, Vietnam, Armenia, Chile, South Korea, Iran, Moldova, Bosnia and Herzegovina, Serbia and Ukraine) in one dimension. This highlights the relative autonomy of the environmental efforts that can be pursued, whatever the socio-economic profile and localisation of a country.

The worrying counterpart is the case of countries lacking strong points, with moderate or weak performances in three or four dimensions (Malaysia, the US, South Africa, Saudi Arabia, China, New Zealand, Russia, Australia, Iceland and Canada).

### VI.2. ENVIRONMENTAL TRANSITION, PROGRESS OVER 2010-2019

Over the last decade, **Table 9** exhibits progress in environmental transition for all countries but three:

- The average progress is significantly high, at 13.3%. The highest rate is that of the United Arab Emirates (+55.0%); Croatia, the United States, and Luxembourg have rates above 30%; and Israel, South Korea, Australia, the Netherlands, the United Kingdom, Morocco, Norway, and Italy have rates above 20%.
- The five countries with the lowest progress rate are Russia (+0.7%), Iceland (+0.3%), Brazil (-0.8%), Algeria (-1.1%) and Iran (+1.7%).
- Compared with starting points, patterns across sub-pillars diverge and require further analysis of country profiles. In particular, best performers in terms of progress belong to all levels of environmental transition performance.
- Countries with leader and strong positions in environmental transition have an average progress rate of 16.9%.
   The highest progress rates are those of Croatia (+35.7%), the Netherlands (+24.2%), the United Kingdom (+23.5%), Italy (+20.6%), Spain (19.1%) and Japan (+19.0%).
- Among weak performers (environmental scores below 45/100), the average progress rate is 11.2%. Although starting from low levels in 2010, the performances of the United States (+32.7%), South Korea (+26.7%) and Australia (+25.9%) are commendable. In contrast, the low rates of Bosnia Herzegovina, Chile, Iceland, Iran, and Russia (progress between -2 and 2%) are worrisome.







### VII. GOVERNANCE TRANSITION

### VII.1. OVERVIEW

More than the half of the 72 countries covered achieve leader or strong performance in governance transition, with New Zealand being the top leader and 7 EU countries ranking in the top 10. However, most countries need to make significant progress in transparency to improve their performance in this pillar.

The sound public finances sub-pillar consists of a single indicator, debt-to-GDP ratios. Forty-eight countries achieve leader performance in this indicator, with only 10 having moderate or weak performance. This is the result of the choice made to have relatively mild goalposts to anticipate low interest rates and the impact of the COVID-19 crisis<sup>28</sup>.

### Governance transition, leaders and strong performers

Nineteen countries are leaders in governance transition (New Zealand, Norway, Luxembourg, Denmark, Sweden, Switzerland, the Netherlands, Australia, Finland, Iceland, Germany, Estonia, Ireland, Austria, Czechia, Slovenia, the United Kingdom, South Korea and France); and another 19 are strong performers (Canada, Singapore, Malta, Belgium, Spain, Portugal, Poland, Japan, Israel, Slovakia, Chile, Croatia, Cyprus, Lithuania, Romania, United Arab Emirates, Bulgaria, Italy and Latvia), the EU belonging to this latter group.

Most of these 38 countries have leader or strong performances in fundamental rights and security (the exceptions have good or moderate performances and are the United Arab Emirates and Bulgaria in fundamental rights and Chile, Lithuania and Latvia in security,). In contrast, except for New Zealand, no country achieves leadership in transparency.

Of the 19 leaders in governance, most achieve lead or strong performance in sound public finances, with the exception of the United Kingdom and France (having good and moderate performances respectively).

### Governance transition, good performers

Thirteen countries are good performers in governance transition (Indonesia, the United States, Georgia, North Macedonia, Hungary, Malaysia, Greece, Montenegro, Bosnia and Herzegovina, Serbia, Saudi Arabia, Armenia and India).

For this group, the sub-pillars with significant numbers of weak performers are fundamental rights (North Macedonia, Bosnia and Herzegovina, Saudi Arabia, and Armenia) and transparency (Indonesia, Bosnia and Herzegovina, Serbia, Armenia, and India). In addition, several countries perform moderately in these two sub-pillars. The United States is an exception, with a leader position in fundamental rights.

The situation is more satisfactory as regards security and sound public finances. All countries achieve lead, strong or good performance, with the exception of the United States in security (moderate performance), and of the United States (moderate), and Greece (weak) in sound public finances.

### Governance transition, moderate and weak performers

Twenty-one countries are in moderate or weak governance transition, despite their scores being driven up by a strong or lead performance in sound public finance27 (all countries have lead, strong or good performances in this sub-pillar). Some countries also achieve lead or strong performance in security (China, Morocco, Algeria, Vietnam and Iran).

In contrast, performances in fundamental rights and transparency are worrisome, with two exceptions being the good performances of Argentina and South Africa in fundamental rights.





**TABLE 10: Governance transition ranking** 

	COUNTRY	PROGRESS		2	019 SCORES		
RANK	NAME	2010-2019	GOVERNANCE TRANSITION	Fundamental rights	Security	Transparency	Sound pub finances
1	New Zealand	0.6%	86.6	95.9	84.6	75.7	97.0
2	Norway	-2.8%	85.9	96.7	89.4	70.1	90.
3	Luxembourg	11.2%	85.2	95.3	91.9	63.5	100.0
4	Denmark	-2.5%	83.8	95.7	80.7	71.5	94.
5	Sweden	-2.4%	83.7	95.9	79.7	72.9	91.
6	Switzerland	2.1%	83.4	96.0	87.2	64.2	91.7
7	Netherlands	1.2%	82.1	95.5	87.2	63.6	82.
8	Australia	-2.2%	81.9	94.0	82.3	67.0	89.
9	Finland	-1.6%	81.2	96.3	73.2	75.0	78.
10	Iceland	-1.4%	81.1	93.9	82.4	62.4	94.
11	Germany	4.5%	79.7	93.6	81.5	65.1	76.
12	Estonia	9.4%	79.2	89.0	68.5	73.1	100.0
13	Ireland	2.2%	78.4	91.7	82.6	61.9	75.
14	Austria	1.6%	78.3	94.3	81.3	62.6	68.4
15	Czechia	3.5%	78.3	83.8	86.6	58.7	95.
16	Slovenia	-4.2%	77.8	84.7	89.1	61.8	70.
17	United Kingdom	0.1%	77.7	93.3	78.1	67.2	60.
18	South Korea	3.2%	76.8	83.9	86.9	55.2	90.
19	France	-0.7%	75.1	90.3	78.2	64.3	52.0
20	Canada	-2.0%	74.9	94.9	71.9	62.9	59.
21	Singapore	1.7%	74.7	72.2	96.0	66.5	42.
	European Union	1.1%	74.5	86.1	81.1	59.7	64.
22	Malta	-4.1%	74.0	86.2	73.6	58.0	86.6
23	Belgium	-1.2%	73.7	91.7	72.6	64.3	51.
24	Spain	-4.4%	73.7	84.5	86.6	56.7	53.
25	Portugal	-0.4%	73.6	87.9	83.9	61.0	37.
26	Poland	-2.4%	72.8	71.6	84.8	58.0	84.
27	Japan	2.6%	72.6	89.2	93.5	59.1	0.
28	Israel	5.5%	72.3	79.1	74.7	61.8	76.
29	Slovakia	2.6%	71.5	75.6	79.0	55.8	84.
30	Chile	-6.3%	70.2	86.1	53.3	61.7	98.
31	Croatia	11.4%	69.7	66.0	87.4	56.3	67.
32	Cyprus	-11.4%	68.8	81.2	77.4	53.5	51.
33	Lithuania	8.3%	68.6	82.6	52.4	62.3	94.
34	Romania	2.6%	67.1	65.2	77.2	50.2	93.
35	United Arab Emirates	6.7%	67.0	46.2	89.4	54.4	100.
36	Bulgaria	4.1%	66.5	55.8	76.9	55.7	100.
37	Italy	0.8%	66.2	72.5	87.5	50.9	29.
38	Latvia	-0.2%	65.8	81.1	53.5	53.9	92.
39	Indonesia	9.5%	64.2	47.4	90.0	44.4	96.
40	United States	-3.2%	64.1	88.9	50.6	58.2	47.
41	Georgia	21.2%	62.7	61.3	67.6	52.0	83.
42	North Macedonia	4.5%	62.3	44.2	78.2	55.5	89.
43	Hungary	-13.7%	61.4	66.8	65.4	49.0	70.
44	Malaysia	1.9%	60.6	60.0	68.4	47.1	70.
45	Greece		60.2	68.3	81.6	50.6	0
		0.7%					
46 47	Montenegro  Rospia and Horzogovina	-1.1%	59.0	53.6	67.5	54.4	63.
47	Bosnia and Herzegovina	1.0%	57.3 57.0	40.6	78.5	40.2	94.
48	Serbia	-3.9%	57.0	47.1	77.8	37.6	82.
49	Saudi Arabia	-0.7%	56.7	30.3	77.3	48.0	100.
50	Armenia	11.1%	56.6	44.8	72.6	43.5	83.
	India	2.2%	55.7	57.9	61.1	42.8	71.
	Tunisia	4.1%	53.4	55.0	61.2	39.0	68.
53	Albania	6.5%	52.9	46.5	67.0	38.4	73.
54	China	1.2%	52.7	24.7	88.3	36.1	80.
55	Morocco	-0.8%	52.7	34.9	75.6	40.5	74.
56	Moldova	6.6%	50.6	39.9	54.9	41.5	97.
	Turkey	-8.6%	49.5	28.9	64.6	39.3	96.
58	Thailand	8.8%	49.4	33.3	64.7	37.1	88.
	World	-0.8%	48.8	48.1	48.9	43.1	67.
59	-	5.3%	48.2	56.0	48.9	37.0	55.
60	Algeria	-9.9%	48.1	19.1	76.2	36.3	86.
61	Vietnam	5.1%	47.8	28.6	74.3	29.4	81.
62	Philippines	11.3%	46.7	41.6	44.3	39.5	90.
63	Egypt	-5.0%	46.2	22.0	64.9	46.7	61.
64	Ukraine	-2.3%	43.5	36.5	45.4	36.7	79.
65	Kenya	5.4%	41.4	35.0	50.7	26.8	76.
	South Africa	-13.5%	40.3	60.2	0.0	48.2	77.
66		5.0%	40.2	16.9	65.3	19.6	96.
66 67	Iran						100.
	Iran Russia		37.9	17.6	38.5	36.7	100.
67 68	Russia	2.0%					
67 68 69	Russia Brazil	2.0% -16.1%	36.8	52.1	7.3	44.2	57.
67 68	Russia	2.0%					57. 83. 81.

■ Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45] Note: Progress 2010-19' refers to the percentage growth of governance transition scores between 2010 and 2019. Source: European Commission, Transitions Performance Index 2020.



### VII.2. GOVERNANCE TRANSITION, PROGRESS OVER 2010-2019

The progress in governance transition has been generally limited, with an average rate of 0.9% over the decade, a rate that shows great disparities.

The highest progress rates are those of Georgia (21.2%), Nigeria (12.3%) and Croatia, the Philippines, Armenia and Luxembourg (11% each). High progress rates need to be relativised when applied to low base levels in 2010. For instance, Nigeria, despite its progress, remains the worst performer in governance transition.

The biggest downward trends were registered by Brazil (-16.1%), Mexico (-13.8%), Hungary (-13.7%), South Africa (-13.5%), Cyprus (-11.4%), Algeria (-9.9%) and Turkey (-8.6%) (**Table 10**).







### VIII. PERFORMANCE BY INCOME GROUP AND REGION

### VIII.1. PERFORMANCE BY INCOME GROUP<sup>29</sup>

Even if TPI results show that there is no predetermination of TPI performance by GDP per capita, the latter is still a factor with influence<sup>30</sup>. At the geographical level, countries are influenced by the performance of their neighbours and closest partners. For this reason, the performance by groupings per income or regional groups proves informative on the relative performance, in addition to the global rankings.

**Table 11** shows the performance by income groups, following the World Bank classification. High-income countries reflect the overall rankings of the TPI. Among upper middle-income countries, Bulgaria, Albania and North Macedonia top the ranking, participating actively in EU policies. Among Asian economies, Malaysia and Indonesia, two countries with high growth rates, show that TPI progress is not exclusive of economic progress nor a privilege of European countries.

Among lower middle-income countries, Morocco, Tunisia and Algeria top the ranking. These three countries, in the context of the Euro-Mediterranean partnership,<sup>31</sup> have signed Association Agreements with the EU. Although focused on trade, these agreements are part of the partnership framework that aims at fostering political, security, cultural, human as well as economic and financial cooperation, including regulatory convergence.

Similarly to the upper middle-income group, two Asian countries complete the top five: the Philippines and Vietnam.

TABLE 11: Top 5 TPI by income group

TOP 5	INCOME GROUPS									
107 3	TPI (HIGH-INCOME)		UPPER MIDDLE-I	NCOME	LOWER MIDDLE-INCOME					
Ranks	Ranks Country		Country	Score	Country	Score				
1	Switzerland	81.4	Bulgaria	56.7	Morocco	51.5				
2	Denmark	77.4	Albania	56.2	Tunisia	51.1				
3	Netherlands	76.5	North Macedonia	54.7	Algeria	50.2				
4	United Kingdom	75.0	Malaysia	54.1	Philippines	48.3				
5	Ireland	74.0	Indonesia	53.5	Vietnam	47.6				

■ Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45] Source: European Commission, Transitions Performance Index 2020.



<sup>29</sup> The World Bank defines income groups based on GNI per capita as calculated using the World Bank Atlas method: lower middle-income economies are defined as those with a GNI per capita between \$1,036 and \$4,045 in 2019, upper middle-income economies are those with a GNI per capita between \$4,046 and \$12,535; high-income economies are those with a GNI per capita of \$12,536 or more. The TPI does not include low-income economies, defined as those with a GNI per capita of \$1,035 or less.

<sup>30</sup> See discussion in Section IX.1.

<sup>31</sup> Together with Egypt, Jordan and Lebanon

### VIII.2. PERFORMANCE BY REGION

### The Americas

The countries of North, Central and South America lag behind in terms of TPI scores compared to other regions of the world. Leading in the Americas for the global TPI ranking, the United States and Canada perform both at the lower end of the countries in good transition (**Table 12**). Among Latin American countries, Chile comes first, followed by Colombia and Argentina, all in moderate transition. In addition, progress since 2010 has been above world average for Colombia and the United States. Mexico, ranked 64, is in moderate transition, with progress below average (5.0%), while Brazil, ranked 67, shows weak performance, with negative progress over the decade (-2.3%).

### South-East Asia and the Pacific

In contrast, the South-East Asia and Pacific region shows that the top five countries together form a pack of solid performers (see **Table 13** below). Japan exhibits a strong transition, followed by South Korea, Singapore, New Zealand and Australia in good transition. The environmental transition is the main symptom of weakness for Australia, New Zealand and South Korea. In addition, while South Korea and Japan have increased significantly their TPI score by more than 8% since 2010, Australia, New Zealand and Singapore's progress was more limited.

The remaining countries in the region, Malaysia, Indonesia, Thailand, China, the Philippines, Vietnam and India are all in moderate transition, with strength in social transition in China and Vietnam and weakness in economic transition in Indonesia, the Philippines, Vietnam and India and in environmental transition in China.

TABLE 12: The Americas TPI ranking and pillar scores

RANK		COUNTRY		201	PROGRESS	ESG GAP			
REGION	TPI	NAME	TPI	ECONOMIC	SOCIAL	ENVIRONMENTAL	GOVERNANCE	2010-2019	(% OF TPI)
1	38	United States	56.7	65.7	62.7	42.8	64.1	8.2%	-19.8%
2	40	Canada	55.8	60.0	76.2	28.2	74.9	2.9%	-9.3%
3	45	Chile	53.3	42.0	58.2	44.9	70.2	3.8%	<b>26</b> .5%
4	55	Colombia	48.2	29.9	50.3	65.8	36.7	9.3%	47.6%
5	61	Argentina	46.3	36.3	49.3	48.8	48.2	3.6%	26.8%
6	64	Mexico	45.3	36.5	52.4	54.9	33.2	5.0%	<b>2</b> 4.3%
7	67	Brazil	43.2	39.4	47.9	47.3	36.8	-2.3%	11.1%

■ Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

Notes: (1) 'ESG gap (% of TPI)' refers to the difference between the sum of the social, environmental, and governance (ESG) pillar weighted scores and the economic pillar score, as a percentage of the TPI score, in 2019. (2) 'Progress 2010-19' refers to the percentage growth of TPI scores between 2010 and 2019. Source: European Commission, Transitions Performance Index 2020.

TABLE 13: South-East Asia and Pacific TPI ranking and scores

RANK		COUNTRY		20:	PROGRESS	ESG GAP			
REGION	TPI	NAME	TPI	ECONOMIC	SOCIAL	ENVIRONMENTAL	GOVERNANCE	2010-2019	(% OF TPI)
1	15	Japan	70.0	65.3	79.3	65.4	72.6	8.2%	8.2%
2	22	South Korea	64.5	75.1	72.9	44.7	76.8	12.0%	-22.2%
3	32	Singapore	61.6	69.3	55.3	51.3	74.7	3.1%	-17.4%
4	33	New Zealand	61.2	55.8	78.9	36.0	86.6	4.7%	8.4%
5	36	Australia	58.3	54.6	77.5	32.5	81.9	5.2%	5.3%
6	43	Malaysia	54.1	46.8	60.2	50.1	60.6	9.9%	16.3%
7	44	Indonesia	53.5	28.0	57.5	58.3	64.2	12.4%	59.2%
8	46	Thailand	52.7	45.1	65.0	52.4	49.4	8.1%	18.6%
9	51	China	49.4	52.9	64.7	36.2	52.7	9.9%	-9.5%
10	54	Philippines	48.3	24.4	49.8	62.2	46.7	8.8%	62.8%
11	56	Vietnam	47.6	28.6	67.2	47.1	47.8	8.0%	50.4%
12	63	India	45.9	28.9	39.7	52.1	55.7	5.3%	45.5%

Transition leader [75-100] Strong transition [65-75] Good transition [55-65] Moderate transition [45-55] Weak transition [0-45]

Notes: (1) 'ESG gap (% of TPI)' refers to the difference between the sum of the social, environmental, and governance (ESG) pillar weighted scores and the economic pillar score, as a percentage of the TPI score, in 2019. (2) 'Progress 2010-19' refers to the percentage growth of TPI scores between 2010 and 2019. Source: European Commission, Transitions Performance Index 2020.



# TRANSITIONS PERFORMANCE INDEX 2020

### Middle East and Africa

In the Middle East and Africa, Israel tops the league, followed by the United Arab Emirates, both countries belonging to the group of good performers (Table 14). In terms of progress, the two leaders are among the countries that have registered the highest relative progress since 2010. Maghreb countries perform also relatively well, as highlighted by their performance in the group of lower middle-income countries. Their evolution, however, is more dispersed: Morocco registered good

progress, while Algeria has suffered a decline in its TPI score over the last decade. Apart from Israel, top performers in the region suffer from the slow pace of their economic adaptation to the transition process, although the United Arab Emirates has registered an acceleration of its progress since 2010.

Saudi Arabia and Egypt are among moderate performers, while Kenya, Iran, South Africa and Nigeria are among weak performers, with a commendable good performance in environmental performance in the case of Nigeria.

TABLE 14: Middle East and Africa TPI rankings and scores

RANK		COUNTRY	2019 TRANSITIONS SCORES				PROGRESS		ESG GAP	
REGION	TPI	NAME	TPI	ECONOMIC	SOCIAL	ENVIRONMENTAL	GOVERNANCE	201	0-2019	(% OF TPI)
1	29	Israel	62.7	59.4	71.9	52.4	72.3		12.2%	6.6%
2	41	United Arab Emirates	55.3	42.6	71.3	45.0	67.0		16.6%	28.7%
3	47	Morocco	51.5	32.8	47.5	63.6	52.7		9.7%	45.4%
4	48	Tunisia	51.1	37.9	54.0	55.5	53.4		7.6%	32.3%
5	49	Algeria	50.2	37.1	57.2	55.1	48.1		-2.8%	32.5%
6	60	Saudi Arabia	46.5	53.9	41.3	37.8	56.7		7.8%	-19.9%
7	62	Egypt	46.2	28.1	47.4	55.8	46.2		1.0%	49.0%
8	69	Kenya	41.9	19.5	53.8	48.4	41.4		2.1%	67.0%
9	70	Iran	40.4	32.3	44.8	42.5	40.2		4.1%	24.8%
10	71	South Africa	36.3	37.7	26.0	38.5	40.3		2.2%	-4.8%
11	72	Nigeria	36.1	13.4	33.3	57.2	26.8		3.3%	78.7%

■ Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

Notes: (1) 'ESG gap (% of TPI)' refers to the difference between the sum of the social, environmental, and governance (ESG) pillar weighted scores and the economic pillar score, as a percentage of the TPI score, in 2019. (2) 'Progress 2010-19' refers to the percentage growth of TPI scores between 2010 and 2019. Source: European Commission, Transitions Performance Index 2020.



# TRANSITIONS PERFORMANCE INDEX 2020

### Non-EU Europe and Central Asia

In Europe and Central Asia, which includes 43 countries, the European part dominates the scores. The role of the European Union seems to have been decisive in that orientation (see Chapter II and Table 2).

**Table 15** shows scores for non-EU countries, all EU associated countries, except for the United Kingdom (formerly EU, ranked 4) and Russia, at the bottom

in the region, ranked 68. After Norway in position 7, there is a jump of 23-43 positions to Iceland, Albania, North Macedonia and Georgia, ranked between 30 and 50. The remaining countries are all ranked below the world average, with Ukraine showing a strong performance in social transition and Albania in environmental transition.

TABLE 15: Non-EU Europe and Central Asia TPI ranking and scores

RANK		COUNTRY		2019 TRANSITIONS SCORES				PROGRESS	ESG GAP
REGION	TPI	NAME	TPI	<b>ECONOMIC</b>	SOCIAL	ENVIRONMENTAL	GOVERNANCE	2010-2019	(% OF TPI)
1	1	Switzerland	81.4	80.0	80.5	81.4	83.4	7.9%	2.2%
2	4	United Kingdom	75.0	54.9	77.5	83.1	77.7	7.9%	33.4%
3	7	Norway	72.8	66.7	86.4	59.3	85.9	6.1%	10.5%
4	30	Iceland	61.8	66.4	90.1	29.1	81.1	1.6%	-9.4%
5	39	Albania	56.2	24.8	64.4	71.7	52.9	6.2%	69.8%
6	42	North Macedonia	54.7	34.1	60.0	57.9	62.3	12.6%	47.1%
7	50	Georgia	49.9	27.7	58.6	48.5	62.7	14.7%	55.6%
8	52	Turkey	48.7	41.1	49.9	51.7	49.5	6.1%	19.4%
9	53	Montenegro	48.4	21.2	59.6	50.0	59.0	9.5%	70.3%
10	57	Armenia	47.5	25.8	59.9	46.2	56.6	2.9%	57.2%
11	58	Serbia	47.4	37.6	61.1	38.2	57.0	5.5%	25.8%
12	59	Moldova	47.3	40.7	60.9	41.0	50.6	7.6%	17.6%
13	65	Ukraine	44.3	41.8	66.3	33.8	43.5	-1.4%	7.1%
14	66	Bosnia and Herzegovina	43.3	22.5	51.9	40.3	57.3	1.5%	59.9%
15	68	Russia	42.9	45.9	62.0	33.8	37.9	7.4%	-8.9%

■ Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45] Notes: (1) 'ESG gap (% of TPI)' refers to the difference between the sum of the social, environmental, and governance (ESG) pillar weighted scores and the economic pillar score, as a percentage of the TPI score, in 2019. (2) 'Progress 2010-19' refers to the percentage growth of TPI scores between 2010 and 2019.







# IX. TPI LINKAGES WITH GDP, INNOVATION, DIGITALISATION, RESILIENCE AND TRADE

The TPI is a new metric published as a matter of urgency in the present context of the COVID-19 pandemic. Its use in policy analysis still needs to be tested, but a full testing of possible hypotheses goes beyond the scope of this report.

It is a recommended practice, however, to analyse potential linkages of composite indicators with other measures by assessing correlations of composite indicators with relevant measurable phenomena. It is also a recommended practice to develop data-driven narratives or even perform econometric or other purely statistical tests<sup>32</sup>. In this chapter, only well-known linkages found in the theoretical and empirical literature on transition performance are succinctly assessed to identify and open avenues for future research; suggested conclusions are only tentative and preliminary.

### IX.1. GDP COMPLEMENTARITY

To a large extent, as described in Appendix I - Conceptual framework, the construction of the TPI as a composite indicator aims to possibly address some key limitations of GDP as a measure of prosperity, as a contribution to the 'beyond-GDP' paradigm<sup>33</sup>. In this respect, using the TPI instead of GDP as a core benchmark could add a different perspective when assessing the impact of public policies or firm strategies.

**Figure 11** shows that a large share of the changes in TPI scores are, prima facie, and subject to confirmation by multivariable analysis; they are not explained by GDP variation<sup>34</sup>. This seems to validate the possibility of a progressive decoupling between the transition process and GDP growth. In other words, the TPI may be a step towards measuring a new prosperity model, where improving the quality of life on an equitable and sustainable basis can prove in practice to be different from 'consuming more'<sup>35</sup>.

In spite of the above, GDP per capita is known to have a high correlation with indicators of well-being. Nevertheless, a simple correlation analysis indicates that while being moderately correlated with GDP per capita (based on purchasing power parity – PPP\$), the TPI is an autonomous indicator, bringing added value to GDP with a significant variance in performance.

For instance, EU countries,<sup>36</sup> Switzerland, the United Kingdom, Japan, Albania, Indonesia, South Korea, Iceland, Tunisia, Morocco, New Zealand and Mexico perform better than their peers in income levels.

<sup>36</sup> The two countries with the highest income levels, Luxembourg and Ireland, achieve scores of 100 in TPI indicator 1.2 Wealth - GDP per capita (PPP\$), due to the upper goalpost set at \$75,000. Without this goalpost, their TPI scores would have been higher. These two countries have TPI performances above peers in income, even if they are not above the trendline in the scatterplot due to their outlier status.



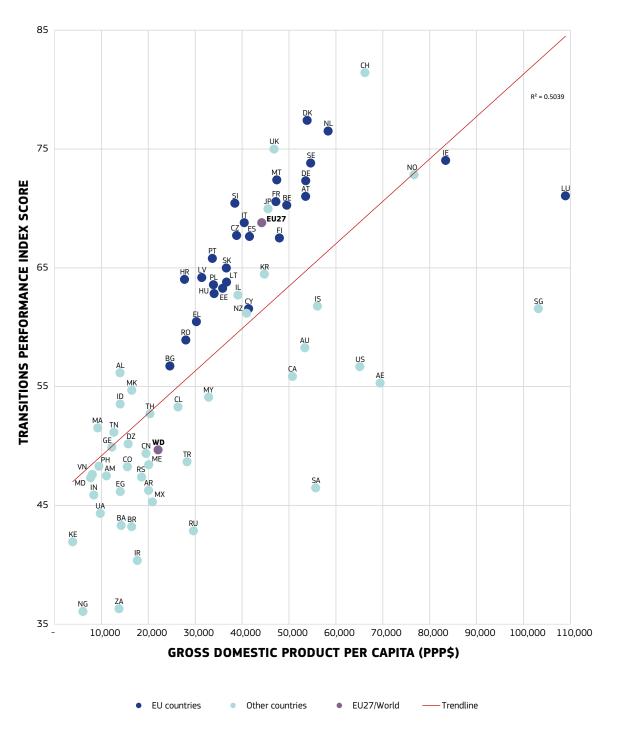
<sup>32</sup> See Step 9, Link to other measures, 10 Step Guide to constructing composite indicators of the Competence Centre on Composite Indicators and Scoreboards of the Joint Research Centre of the European Union, <a href="https://composite-indicators.jrc.ec.europa.eu/?q=10-step-guide">https://composite-indicators.jrc.ec.europa.eu/?q=10-step-guide</a> and <a href="https://composite-indicators.jrc.ec.europa.eu/?q=10-step-guide/step-9-link-other-measures">https://composite-indicators.jrc.ec.europa.eu/?q=10-step-guide/step-9-link-other-measures</a>

<sup>33</sup> In particular, limitations such as the non-valorisation of the impact on stocks (environment, debt, etc.) or non-monetary elements (equality, security and governance, free and non-remunerated time); the absence of measures of resilience; the absence of direct measures of impact on well-being (see Appendix I - Conceptual framework).

<sup>34</sup> Noting that per capita GDP is also one of the indicators included in the TPI (sub-pillar 1.2)

<sup>35</sup> In the TPI, quality of life is measured by a selection of hard data. Subjective rankings based on broader definition(s) also exist that are not included in the TPI.

FIGURE 11: TPI and GDP per capita (PPP\$)





The capacity to outperform GDP is indeed not automatically linked to the wealth of countries. Some rich countries succeed in their transitions (such as the United Kingdom, Denmark, Switzerland, Malta, Italy, the Netherlands, Japan, Sweden, France, the EU, Spain, Germany, Belgium, Austria and Finland<sup>37</sup>) but countries with more moderate revenues do so as well (such as Slovenia, Croatia, Portugal, Czechia, Latvia, Albania, Slovakia, Poland, Hungary, Lithuania, Estonia, Greece, North Macedonia, Indonesia and Morocco<sup>38</sup>).

Conversely, some countries do not sufficiently use their resources to manage the transitions. This is the case for instance of Saudi Arabia, Singapore, South Africa, Russia, Nigeria, the United Arab Emirates, Iran, the United States, Luxembourg, Brazil, Mexico, Bosnia and Herzegovina, Canada, Turkey, Argentina, Australia, Kenya, Serbia, Ukraine and Egypt, all with scores 10% or more below the trendline. Singapore, Zambia, South Africa, Russia, the Emirates, Luxembourg, the USA, Iran and Nigeria, among others.

It is striking that the United States, despite its high GPD per capita, does not belong to the top five in any pillar ranking. Conversely, countries with low GDP per capita, such as Morocco, the Philippines, Albania, Colombia, Croatia and Romania, succeed in being among the top third either in the TPI or in some of its pillars, showing that there is room for efficiency in transition policies.



<sup>37</sup> Countries with GDP above \$40,000 PPP\$ with scores 4% or more above the trendline. 38 Countries with GDP above \$40,000 PPP\$ with scores 4% or more above the trendline.

### IX.2. RESEARCH AND INNOVATION AND TPI

International composite indicators and scoreboards often have the same countries as good performers. This results from their multidimensional nature, but also from construction, since correlation analysis is a crucial element of the robustness analysis of rankings. In addition, some factors can be common<sup>39</sup> to two different multidimensional phenomena without reducing the specific nature of each composite indicator. It is clear that in statistical aggregation, the existence of confounding variables not accounted for may not be precluded a priori.

To sum up, the specific nature of each separate composite indicator is therefore not minored if some countries rank quite high in other multidimensional indicators, while the variation between two composite indicators remains substantial for other countries. This is the case for TPI in relation to the summary innovation index (SII).

Innovation increases the efficiency and adaptability of economic and social systems and should have an impact on transition performance, and both are multidimensional phenomena measured by composite indicators. **Figure 12** plots the TPI with the summary innovation index<sup>40</sup> (SII) for countries where data is available for both series.

As expected, it shows that there are some similarities between the two rankings. However, compared to the SII, the TPI has a significant specific feature, since numerous countries in the first and second tiers of the TPI do not achieve similar results in the SII (Malta, Slovenia, Latvia, Slovakia, Italy, Czechia, Spain and Ireland in the first tier, and Romania, Croatia, Poland and Hungary in the second tier).

Similarly, wealthy countries that often score well in global indexes are not prominent in the TPI ranking, as shown by the positions of Saudi Arabia, the United States, Canada and South Korea, to name a few. In general, countries performing below the trend line do not target the use of their innovation capacity to best address the challenges of the four transitions.

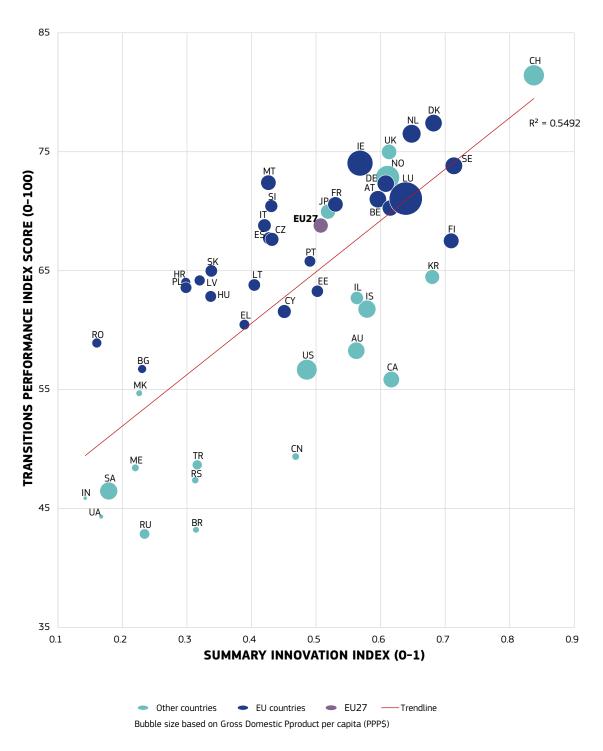
In conclusion, it seems that in line with the theory, innovation contributes to progress in the TPI, but not all countries seem to make the best of their innovation capacity in this respect.

<sup>40 &</sup>lt;a href="https://ec.europa.eu/growth/industry/policy/innovation/scoreboards">https://ec.europa.eu/growth/industry/policy/innovation/scoreboards</a> en (data from the European Innovation Scoreboard). The Innovation Scoreboard SII covers 37 countries. In addition, it presents international scores for 10 other countries. The present section uses these 47 scores, the international scores being imputed to SII after adjustment. The indicative results of this section are therefore limited to this sample of 47 countries and cannot be assumed to be automatically transposable to the 25 other countries covered by the TPI.



<sup>39</sup> For instance, SII correlation with GDP is similar to TPI correlation with GDP, calculated over the same countries. The correlation between Innovation and TPI may therefore be a statistical result of the correlation of both indexes with GDP.

FIGURE 12: TPI and Summary Innovation Index scores





### IX.3. TPI AND DIGITALISATION

The digital transformation of society is a transition with the meaning of transformation. It is, however, unclear to what extent it translates automatically into progress towards economic, social, environmental and governance sustainability. For instance, the debate around the implementation of the 5G technology stresses the positive impact of facilitating autonomous transport or distance learning and teleworking. However, at the same time, others point to the risk that an exponential use of data storage poses for privacy and energy consumption.

More generally, in theory, digitalisation, by improving the efficiency of the economy, should increase productivity and reduce the impact on the environment. However, accompanying measures are required to avoid a digital gap and a possible negative impact on employment<sup>41</sup>, especially on specific categories of the population. In addition, one needs to address some adverse effects on the environment through research, mandatory regulations, and voluntary standards. For example, running and maintaining large data centres that manage the cloud require an increasing amount of energy.

The Digital Economy and Society Index (DESI)<sup>42</sup> is a composite indicator that summarises relevant indicators on Europe's digital performance and tracks the trends in EU Member States, across five main dimensions: connectivity, human capital, use of internet, integration of digital technology, and digital public services. The R2 of the TPI with the DESI (0.6025) is higher than with GDP (0.5016), suggesting quite strongly that increasing the digitalisation of the economy and society is likely to be a positive structural element to succeed in the four transitions (**Figure 13**)<sup>43</sup>.

Dispersion is significant, however. The form the digitalisation process takes in different countries may have differentiated impacts on TPI transformations. Some countries are indeed quite below the regression line, such as Finland and Estonia, or to a lesser extent Bulgaria, Lithuania or Romania, for instance.

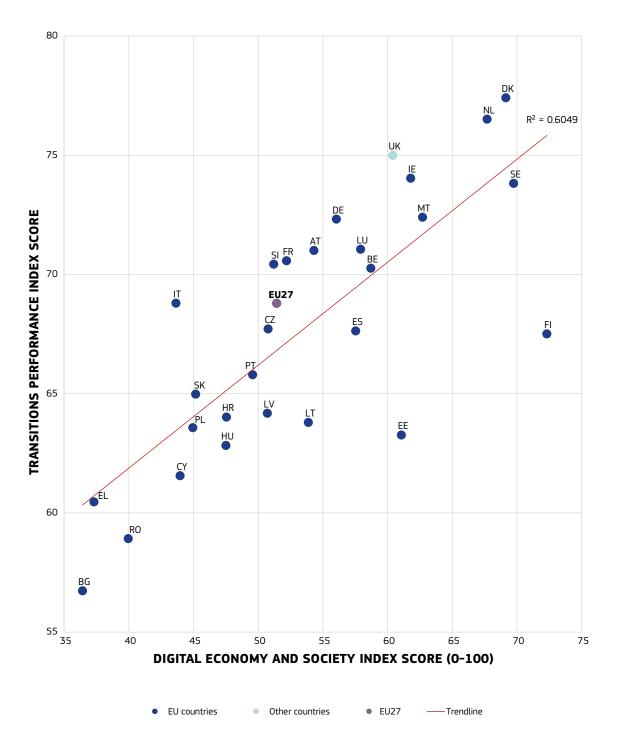
<sup>43</sup> This digital dimension is not integrated in the TPI for several reasons: (i) it affects the four transitions; (ii) digitalisation is defined mostly around inputs while the TPI focuses on outputs; and (iii) lack of internationally comparable data.



<sup>41</sup> https://ec.europa.eu/info/publications/science-research-and-innovation-performance-eu-2020 e, section related to digitalisation's impact on employment

<sup>42 &</sup>lt;a href="https://digital-agenda-data.eu/datasets/desi/visualizations">https://digital-agenda-data.eu/datasets/desi/visualizations</a>. The DESI covers only the EU Member States and the United Kingdom. The indicative results of this section are therefore limited to this sample of countries and cannot be automatically assumed to be transposable to the 44 other countries covered by the TPI.

FIGURE 13: TPI and Digital Economy and Society Index scores





### IX.4. TPI AND RESILIENCE

'Resilience is the ability not only to withstand and cope with challenges but also to undergo transitions in a sustainable, fair, and democratic manner. Resilience is necessary in all policy areas to undergo the green and digital transitions, while maintaining the EU's core purpose and integrity in a dynamic and at times turbulent environment. A more resilient Europe will recover faster, emerge stronger from current and future crises, and better implement the United Nations Sustainable Development Goals.'44

Resilience is defined in this context as the capacity of individuals, firms and society to resist shocks and their ability to work towards a healthy recovery.

Among the traditional shocks for which a resilience capacity needs to be tested are the major transformations that affect life as a whole. This is the case, for instance, of climate change, war (notably civil war or internal terrorism), a pandemic, diseases or pests causing famine, natural or man-made disasters (nuclear disasters, earthquakes, tsunamis, fires, floods), economic shocks (tripling of oil price, hyperinflation as in 1923 in Germany, financial panic), major changes in life conditions (for instance, systemic resistance to antibiotics would profoundly change the situation of populations).

These shocks can be sudden or progressive. It is the scale rather than the immediacy that defines the need for resilience. For instance, climate change, antibiotic resistance, the accelerated loss of biodiversity (if it leads to local famines) are all progressive shocks which stress the resilience of societies, firms and individuals.

The TPI's ambition is to measure the capacity of a system to adapt over time to a more harmonious society combining economic development (and S&T progress), social, environmental and governance dimensions. As such, it contributes to social cohesion and progress, which are essential factors to the resilience capacity of countries.

To identify the linkages between TPI and resilience, one can distinguish structural indicators that favour resilience from outcome indicators. The first category is straightforward: with less corruption, it is easier to channel aid after a disaster. Aid donors are regularly confronted with this structural element, even in Europe, as illustrated by the difficulty of reconstructing public buildings after earthquakes. The second category can be illustrated by the current COVID-19 shock: resilience of health services leads to higher healthy life expectancy (**Table 16**).

From these comprehensive linkages, the TPI appears as a composite indicator that considers the priority given by the President of the European Commission to resilience as a major objective for Europe.

Nevertheless, having integrated the resilience objective in the TPI's conceptual framework does not make it an index of resilience per se, which would be designed specifically to this end, as called for by the 2020 strategic foresight report. This report states that 'Aggregate indicators at EU level and a synthetic resilience index could also be envisaged. Building on the resilience dashboards, as well as existing knowledge and indicators, future discussions with key stakeholders will aim to develop these indicators at EU level and explore the feasibility of a synthetic resilience index. Its rationale would be similar to the logic underlying the work on the forthcoming Transitions Performance Index."

<sup>44 &</sup>lt;a href="https://ec.europa.eu/info/sites/info/files/strategic foresight report 2020 1.pdf">https://ec.europa.eu/info/sites/info/files/strategic foresight report 2020 1.pdf</a>, 2020 Strategic foresight report 'Charting the course towards a more resilient Europe'.



**TABLE 16: TPI linkages to resilience** 

TPI LINKAGES TO RESILIENCE							
INDICATOR	NATURE	COMMENT					
Public education	Structural	Contribution to long-term innovation capacity to make systems more resilient. Contribution to critical minds, improving the capacity to react to disasters in organised and rational ways. Contribution to developing ethical approaches and altruist behaviours in addressing common and long-term challenges.					
R&D intensity	Structural + immediacy	Capacity to invest in anticipating shocks and preparing solutions / capacity to provide rapidly these solutions.					
Building an industrial base adapted to the future	Structural + immediacy	Capacity to produce locally in case of shocks affecting other parts of the world, capacity to adapt quickly to produce new services needed (e.g. masks, respirators, drugs, new antibiotics, etc.).					
Heathy life expectancy	Impact	Measures ex post the strength of resilience, including resilience to the psychological effect (the measure used incorporates the mental health dimension).					
Employment rate	Impact	Measures ex post the strength of resilience by measuring the capacity of economic recovery.					
Equality	Structural	Capacity of a society to agree with difficult measures or restrictions to face shocks and to behave as 'good citizens' because they feel that the society is fair and the burden equally shared.					
GHG emissions reduction	Structural	Key mitigating element for climate change, thus increasing the capacity of resilience in proportionate terms (if the consequences of climate change are less dramatic, the capacity to respond is greater).					
Biodiversity	Structural	Crucial to limit the risks of mass extinctions of species, therefore, to reduce major risks such as famine, wars and pandemics. In an immediacy perspective, preservation of variety of species as a major source of drugs and sources of well-being (for natural food replacing pesticides for instance).					
Energy productivity	Structural + immediacy	Capacity to continue to produce with a limited amount of energy available (for instance if a major continental oil or gas-pipeline is destroyed by terrorism or an earthquake; or because of an oil crisis; or because energy plants are stopped by a pandemic).					
Fundamental rights	Structural + Impact	Capacity for social cohesion + to preserve democracy after a shock.					
Security (homicide rate)	Impact	Measures the absence of serious troubles after a shock (social resilience). To a certain extent also measures a social consensus that has a structural positive impact on resilience.					
Transparency 1 – Public corruption	Structural + immediacy	Capacity to ensure the quality of public services (quality of hospitals and stocks, quality of bridges and railroads, quality of emergency services, etc.) that mitigate the impact of risks that occur. Capacity to rightly use funds for their purpose after a crisis arises. Contribute to social consensus and psychological resilience in favour of common efforts.					
Transparency 2 – Fight against money laundering	Structural + Immediacy	Limitation of crime, terrorism and hard drugs that constitute a serious risk for our societies, capacity to maintain a fiscal base to produce services increasing resilience; preservation of social consensus.					
Sound public finance	Structural	Capacity to preserve an intergenerational solidarity (preservation of pensions and of support to adaptation of young ones to the labour market) key for social cohesion, an important factor of resilience.					
TPI (global indicator)	Structural	Capacity to build a policy consensus around common goals, measured in a transparent manner. Key for the credibility of governments and the implications of citizens (serious issue: see the worrying decline in the election participation rate for instance), which at the end of the day measures the overall resilience of a democratic system.					



# IX.5. IS THERE A LINK BETWEEN GLOBALISATION AND TPI PERFORMANCE?

The link between globalisation and transition performance is another much-debated economic issue. When referring to GDP growth, some economists point to the statistical link between trade and GDP to substantiate that the economic gains resulting from a better allocation of resources through trade have a global positive impact on the economy<sup>45</sup>. However, this view is criticised notably for not considering the negative impact of international trade on the environment and, in certain cases, on local development.

As the TPI is designed to give an alternative definition of prosperity, it can be used to assess the existence or not of such relations<sup>46</sup>. **Figure 14** plots TPI scores against trade openness (goods and services trade as a percentage of GDP)<sup>47</sup>. As is the case with GDP, innovation or digitalisation (see previous sub-sections), a statistical analysis should control for common and confounding factors (such as population size<sup>48</sup>), but the overall absence of a significant correlation between openness to trade and the TPI, while not conclusive, is an indication that globalisation seems not to be, per se, a determinant of transition performance, positively or negatively. This preliminary finding does not rule out, however, that the different forms of globalisation could have a potential impact, on, for instance, the respect of human rights or on environmental and safety regulations and norms. In addition, well-known spillover effects of some forms of trade on the environment or governance should also be considered<sup>49</sup>. This would be consistent with the analyses presented in the literature review (second part) cited previously regarding the relationship between growth and trade.

Switzerland, the United Kingdom, Denmark, Japan, Norway, Sweden, France, Germany, Italy, the Netherlands, Austria, Spain, the EU, Finland, Portugal, South Korea, Israel, Slovenia, Belgium, New Zealand and Czechia perform better in the TPI than their peers in trade openness (by a margin of 10% or more over the trendline).

Conversely, South Africa, Nigeria, Vietnam, Iran, Bosnia and Herzegovina, Ukraine, Kenya, Russia, Mexico, Serbia, Brazil, Montenegro, Armenia, Moldova, Saudi Arabia, Georgia, Singapore, Egypt, India, the Philippines, Argentina, Tunisia, Turkey, the United Arab Emirates, Colombia, Thailand, Morocco, North Macedonia and Malaysia are all 10 or more below the trend line, performing less well in TPI than countries with similar levels of trade openness.

<sup>49</sup> report from 'SDG Watch Europe' and 'Make Europe sustainable for all' <a href="https://mk0eeborgicuypctuf7e.kinstacdn.com/wp-content/uploads/2020/09/SDG-full-report\_OK.pdf">https://mk0eeborgicuypctuf7e.kinstacdn.com/wp-content/uploads/2020/09/SDG-full-report\_OK.pdf</a>



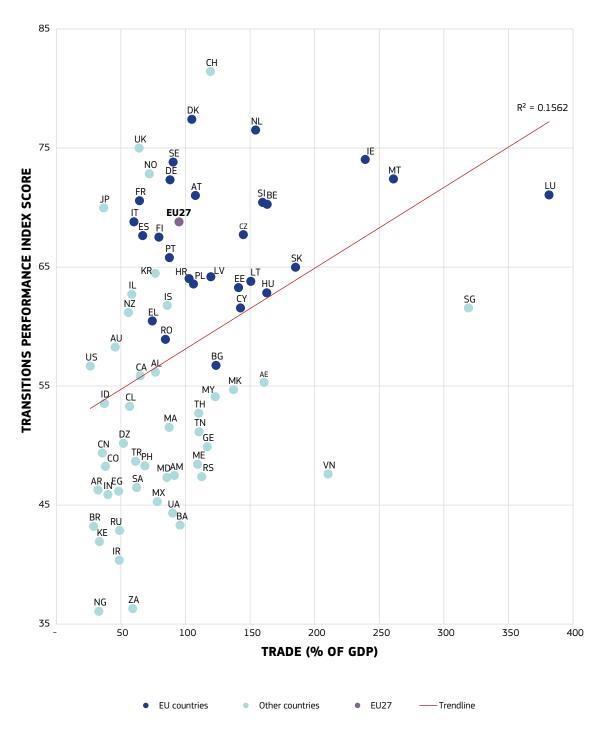
<sup>45</sup> L Alan Winters, Trade Liberalisation and Economic Performance: An Overview, The Economic Journal, Volume 114, Issue 493, February 2004, Pages F4–F21, https://doi.org/10.1111/j.0013-0133.2004.00185.x

<sup>46</sup> Foreign direct investment is another important dimension of globalisation that could be further analysed against the TPI, and which is generally correlated to trade.

<sup>47</sup> Contrary to GDP, trade is not included in the TPI framework.

<sup>48</sup> In the economic literature, the size of a country represents a classical factor in trade openness (the smaller the country, the more open to trade), even if the empirical evidence shows that this relationship is far from being linear, again, due to common and confounding factors. Luxembourg, Singapore, Malta and Ireland are outliers with populations below 6 million people and trade openness above 240%. On the contrary, Vietnam, with 95 million people, is highly open to trade, despite being highly populated; and China has a higher trade-to-GDP ratio than the United States, despite having four times as many inhabitants.

FIGURE 14: TPI and trade (% of GDP)





# CONCLUSION

The Transitions Performance Index (TPI) has been constructed around the four transitions: economic, social, environmental and governance. It reflects the path taken by various countries towards inclusive and sustainable prosperity over the past decade.

The index reflects a policy choice. Material, scientific, and economic progress is not opposed to social inclusiveness, environmental sustainability, good governance, and overall quality of life.

What the index measures, therefore, is the effective convergence of policies to build a new model of fair and sustainable prosperity through efficiency, resilience, and intergenerational fairness.

The TPI fills serious gaps in the way we assess broadly-based sustainable prosperity. It also has the following advantages.

- It is ready to use.
- It provides a global ranking covering 91% of global GDP.
- It uses existing data sets covering the past decade.
- It addresses in a holistic way the traditional weaknesses of GDP by using a 'beyond GDP' approach.
- It provides policymakers and stakeholders with a benchmark for assessing the overall performance of a country in transforming into 'a fair and prosperous society, with a modern, resource-efficient and competitive economy and where the transition (...) is just and inclusive'50.

- With just 25 indicators, it complements more comprehensive monitoring reports that are based on more than 100 indicators<sup>51</sup>.
- It illustrates the contributions of each transition to the overall performance of a country, indicating strengths and weaknesses, room for progress, and possible trade-offs.

The TPI, like any composite indicator, will benefit from improvements in the future. For instance, the country coverage could be expanded as data become available, and the TPI could also be applied to the sub-national (regional) level<sup>52</sup>, in order to be closer of citizens and to take into account that regional competences vary significantly across countries. The indicator on work and inclusion could also be complemented with data on the inclusion of vulnerable groups (in addition to women on whom data are already included). In addition, the framework could be enriched with data on spill-over effects<sup>53</sup>.

The factor that will most determine whether the TPI is successful will be the extent to which it is used in policymaking. If the TPI is used by policymakers, it can help to accelerate change towards a sustainable and fair society. A session of the Research and Innovation Days on 24 September 2020 dedicated to the TPI welcomed the prospect of the TPI being used in policymaking and insisted on the importance of continuing to promote it. The session also reached the following conclusions.

 The TPI would benefit from becoming part of wellestablished processes, such as the European Semester or a regular sustainability review. It would also benefit from being extensively communicated.

<sup>53</sup> A recent report from 'SDG Watch Europe' and 'Make Europe sustainable for all' (available at <a href="https://mk0eeborgicuypctuf7e.kinstac-dn.com/wp-content/uploads/2020/09/SDG-full-report\_OK.pdf">https://mk0eeborgicuypctuf7e.kinstac-dn.com/wp-content/uploads/2020/09/SDG-full-report\_OK.pdf</a>) highlights in this respect that the "most pressing challenges include European global ecological footprint, human-rights and labour-rights violations in supply chains and other negative spill-over effects of European policies and practices to third countries including through unfair tax regimes or arms exports". To ensure international comparability within the TPI, the same data would need to be made available in all countries covered by the index.



<sup>50</sup> Quotation from Ursula von der Leyen, President of the European Commission. In addition, the EU annual sustainable growth strategy calls for "a new paradigm to address interrelated key challenges", noting that "environmental sustainability, productivity gains, fairness and macro-economic stability will be the four dimensions of our economic policy"

<sup>51</sup> These include Eurostat's 110 indicators on sustainable development in the European Union (<a href="https://ec.europa.eu/eurostat/documents/3217494/11011074/KS-02-20-202-EN-N.pdf/334a8cfe-636a-bb8a-294a-73a052882f7f">https://ec.europa.eu/eurostat/documents/3217494/11011074/KS-02-20-202-EN-N.pdf/334a8cfe-636a-bb8a-294a-73a052882f7f</a>), and the SDG index and dashboards50 of the Sustainable Development Solutions Network and Bertelsmann Stiftung, which have a combined 115 indicators (85 global, and 30 additional indicators for OECD countries).

<sup>52</sup> The index can also be computed at the sub-national level. When data points or series are not available at the sub-national level, the national values can be used instead.

- The harmonisation of data reporting by international organisations is a challenge already being addressed by the United Nations in the global SDG indicators database53. The TPI could help this harmonisation by focusing on a reduced number of priority indicators.
- The use of the TPI in research could bring forward new insights and policy recommendations.
- The TPI highlights both the importance of creating a new sense of global community, and Europe's willingness to cooperate with the rest of the world to achieve common goals. The TPI's global results and holistic framework could facilitate bilateral and multilateral cooperation dialogues.

The future will tell whether this index will achieve its objectives. This report shows the feasibility of creating a composite indicator with four dimensions that brings robust and credible results by using data sources and methodologies that are accessible and verifiable.

The TPI's greatest advantage is its simplicity. It will give the public a much-needed sense of ownership of the four transitions as well as an objective benchmark on the impact of national policy mixes. It will support the efforts, reforms, and cooperation needed to design a better world for present and future generations.





# APPENDICES



# **APPENDIX I**

**CONCEPTUAL FRAMEWORK** 

### 1. INTRODUCTION AND STRUCTURE

# THE POLICY CHALLENGE: TO COMPLETE THE NECESSARY TRANSITIONS TO THE BENEFIT OF THE PUBLIC AND OF THE PLANET

Europe and all the countries and regions of the world are facing major and interconnected challenges. The economy – globalised, complex, and interdependent – has become overly sensitive to potential shocks in any part of the world. This can be seen in the financial crisis, major environmental disasters, or the recent COVID-19 crisis. Human activities have never endangered the environment as much as they do now. This is because of demography, urbanisation, our ever–growing need for energy, and our widespread use of pollutants. Rising inequalities, unemployment, and the transformation of work are weakening social consensus. Faced with these challenges, there is a risk that core democratic values become second-rank priorities. This could mean a dark future for people all over the world and for European citizens.

This situation is not new, and warnings have been issued about it for years. In 2015, under the auspices of the United Nations, 195 nations agreed to change the world for the better and committed to work towards 17 key Sustainable Development Goals<sup>1</sup> (SDGs), each of which encompasses a wide range of issues.

This was a major step in raising awareness of the crossroads at which humanity stands.

In order to support and complement the comprehensive SDG monitoring framework<sup>2</sup>, simplified frameworks can add value in terms of their accessibility to the wider public. This is the goal of a new transitions performance index (TPI) we are proposing here.

Index (TPI) offers a tool to help us benchmark the integrated impact of the progress we make towards the sustainability agenda. Making this index simple and easy for the public to understand would increase accountability of governing bodies. And making the index comparable across countries would help us to recognise and encourage each other's progress and consider the global dimension

of the challenges we are all facing. Finally, making

the index meaningful would help us to create a

all while protecting the planet.

new definition of prosperity that would benefit us

Developing a Transitions Performance

The index takes as starting point the six headline priorities set by the Commission President at the start of her mandate $^3$ :

- 1. **A European Green Deal**, which sets Europe to be the first climate-neutral continent by becoming a modern, resource-efficient economy.
- An economy that works for people, working for social fairness and prosperity and creating a more attractive investment environment and growth that creates quality jobs, especially for young people and small businesses;
- 3. A Europe fit for the digital age, empowering people with a new generation of technologies; The industrial strategy adopted on 10 March 2020 explained that 'at the heart of this is the ability of Europe's industry to lead the twin ecological and digital transitions and drive our competitiveness'<sup>4</sup>;
- Promoting our European way of life, protecting the rule of law and building a Union of equality, tolerance and social fairness in which we all have the same access to opportunities;



 $<sup>1\</sup> https://sustainable development.un.org/content/documents/21252030\%20 Agenda\%20 for \%20 Sustainable\%20 Development\%20 web.pdf$ 

<sup>2</sup> https://ec.europa.eu/eurostat/web/sdi/overview

<sup>3</sup> https://ec.europa.eu/info/sites/info/files/political-guidelines-next-commission\_en\_0.pdf

<sup>4</sup> COM(2020) 102 final of 10.3.2020.

- A stronger Europe in the world, championing multilateralism and strengthening our unique brand of responsible global leadership;.
- 6. **A new push for European democracy**, nurturing, protecting, and strengthening our democracy.

These priorities are fully consistent with the four priorities set by the European Council<sup>5</sup> that aim at **protecting** citizens and freedoms, developing a strong and vibrant economic base; building a climate-neutral; green fair and social Europe as well as promoting European interests and values on the global stage.

The TPI has been built with a four-pillar structure. These four pillars for transition correspond to the four priorities set out by the European Union. It reflects the vision of Commission President Ursula von der Leyen: "I want Europe to strive for more when it comes to social fairness and prosperity"6. On 11 December 2019, the Commission adopted the European Green Deal as "a new growth strategy with a view to transform the European Union into a fair and prosperous society, with a modern, resource-efficient and competitive economy where there are no net emissions of greenhouse gases in 2050 and where economic growth is decoupled from resource use. It aims to conserve and enhance the European Union's natural capital, as well as to protect the health and well-being of citizens from environmentrelated risks and impacts. At the same time, the transition to undertake must be just and inclusive. It must put people first and pay attention to the regions, industries and workers who will face the greatest challenges".

# DEVELOPING A NEW DEFINITION OF PROSPERITY

It is not sufficient that the framework structure for the index mirrors the policy agenda with four corresponding transitions pillars. The indicators used to build the index must also be economically meaningful. In other words, the combination of indicators used in each pillar should build a consistent image of a meaningful goal. If this is achieved, the TPI value will not simply be a random selection of indicators chosen in a top-down manner; instead it will be a meaningful goal towards which to strive.

Taken together, these four transitions aim to achieve a new growth model, and a new type of prosperity for Europe and other countries around the world whose people have similar ambitions.

Developing prosperity has been a long-standing objective for nearly all countries and one of the EU's main goals for promoting peace, European values, and the well-being of its people.



<sup>5 &#</sup>x27;A new strategic agenda 2019-2024', conclusions of the European Council on 20 June 2019.

<sup>6</sup> Political Guidelines for the next Commission 2019-2024, p. 8

As it is currently composed, the TPI reflects a concern to go 'beyond GDP', measures performance in managing much-needed transitions and defining progress towards an **fair and** sustainable prosperity. The goal is to build a consensus to progress collectively towards a situation where individuals or groups of individuals (such as cities, regions, countries) improve regularly, and in a sustainable and socially inclusive way, their well-being. This in objective material terms (e.g. consumption, health) as well as in immaterial terms (freedom of choice, democracy, fairness in taxation, access to cultural and social capital), with a positive impact on future generations (notably by preserving natural resources and biodiversity but also by limiting public debt).

### GOING BEYOND GDP

GDP is the standard indicator used internationally to measure the capacity of an economic zone to produce wealth, thus making it a core component of prosperity. However, the limits of this indicator are well-known. Since the attempts by Nordhaus and Tobin (1973) to develop a measure of economic welfare, the issue has become a central theme of research and policy discussion, highlighted by the report of the Stiglitz-Sen-Fitoussi Commission (2008) and subsequent theoretical work. There is now a recognised need to improve GDP as a measure and to go beyond it.

The main issues with GDP can be grouped into four categories: (i) shortcomings linked to the monetary nature of the aggregate and the difficulty of measuring non-monetary aspects; (ii) shortcomings linked to the absence of analysis of socioeconomic aspects; (iii) shortcomings linked to the fact that GDP analyses flows and not stocks; and (iv) shortcomings linked to the static nature of GDP, which does not provide information on the ability of an economy to sustain development and progress.

- 1. Shortcomings due to the monetary nature of GDP
- No measuring or limited measuring of non-monetary activities. This concerns – for instance – household work, charity work, political or religious activities, and overall security and defence within a society. The TPI complements economic transition indicators with social,

- environmental, and governance transitions, including gender, security, biodiversity protection, resource and energy productivity and other aspects that impact both economic activities and quality of life.
- No measuring of the value of leisure. GDP measures production of and spending on entertainment and tourism. However, it does not quantify the availability of time for leisure, which is nevertheless a substitute for such consumption. The TPI uses indicators such as the total number of hours worked during a lifetime as a proxy for measuring free or non-remunerated time.
- Distributional aspects are not included. Depending on inequalities in income distribution, a large share of the 'prosperity' of a population may be reduced while GDP increases. The TPI includes distributional and social dimensions (equality, inclusion).
- 2. Shortcomings of GDP in measuring the quality of life
- GDP is a measure of production. It does not measure the direct impact of production on individual welfare, while 'prosperity' refers to the perceived feeling of well-being by individuals, such as the distance travelled between work and home. The TPI considers real disposable income and diversity of choice (notably favoured by innovation and creativity) as important aspects of prosperity.
- GDP is only a proxy to measure the real quality of goods or services. Theoretically prices should adjust to reflect differences in quality. However, these adjustments are limited by imperfections in the market; the imperfect allocation of public spending; corruption; companies with dominant positions delaying for instance the introduction of innovations; and imperfectly informed consumers. The TPI complements economic indicators with direct measures of quality of life, such as healthy life expectancy.
- 3. Shortcomings due to GDP being a **measure of flows** and not of stocks
- GDP does not measure the impact of the economy on the stock of natural resources (including biodiversity). Failing to measure the impact of production on the environment makes it impossible to measure how the prosperity of future generations is being affected by current activities.



The TPI complements GDP with indicators measuring the economy's impact on stocks of natural resources.

- GDP does not measure the speed of depreciation in the value of the stock of goods and knowledge already produced. Increasing the value of that stock would significantly increase the prosperity of people. The existing stock of wealth could be protected by the reusability of goods; the protection of the environment; the rule of law protecting individuals and property; the absence of corruption; and the absence of inflation. The TPI includes this approach transversally across transitions.
- 4. Shortcoming due to GDP being a **static measure**, not appropriate for measuring the capacity of an economy to sustain development in the future
- While most of the production measured by GDP is consumed, some of it remains and adds value for future generations. In other words, not all the components of GDP have the same positive impact on the future. The TPI measures an economy's capacity to: (i) invest so it can maintain a sufficient industrial base; (ii) innovate; and (iii) ensure future development. Investment in education and improvements in organisation and research all lead to increased productivity. All of these are necessary to complement the static nature of GDP as an indicator.

### 2. SUMMARY AND PURPOSE

The design of the TPI thus combines two features.

Firstly, with its framework of four pillars, the index reflects the four dimensions of sustainable development in the economy, society, environment and governance. This fully responds to the policy priorities of the EU and supports the overarching SDG framework. Each pillar represents an independent dimension with a strong and clear meaning that brings benefit to the overall index. Under each pillar, there are four policy objectives. These objectives also reflect the main priorities of the EU and progress towards these objectives will be statistically measured through goalposts based on targets

Secondly, the choice of indicators for the pillars largely addresses the limitations of GDP in a balanced statistical way.

There is no shortage of existing frameworks to monitor prosperity, well-being, sustainability, and sound governance. These frameworks have inspired our work. The economic logic behind a new composite indicator is inspired by the decades of work by economists and debates within social groups on developing 'beyond GDP' perspective<sup>7</sup>. However, the existing literature on this debate is insufficiently known by the large public. Moreover, most existing composite indicators have either a less integrated coverage, or are based on a very large and complex set of indicators, the visibility and weight of each being therefore unfortunately limited. This makes the analysis of the results difficult to access to anyone except experts.

### The purpose of the TPI is therefore to:

- complement more comprehensive monitoring reports, notably Eurostat's yearly Sustainable development in the European Union reports;
- supplement and support the EU's progress toward achieving the 2030 Sustainable Development agenda;
- compare progress within the EU and with the EU's main trading partners based on a ranking;
- give visibility to progress or lack of progress;
- promote communication and dialogue with society and trigger policy debates – both of which would benefit from all available data and reports;
- is computed for a period of 10 years to illustrate and analyse the reasons for the differing performance of countries and enable quick updates to be made for monitoring purposes;
- be intuitive to understand and create confidence through its transparency, due to the use of a limited number of outcome-oriented indicators.

In any case, the policy motivation for building a new composite indicator is the existence of a pressing issue, common to many countries: the need to manage painful and strenuous transitions to address major global challenges, with the informed support and participation of citizens.

Notably the United Nations Human Development Index (also in its inequality adjusted form), the report of the Stiglitz-Sen-Fitoussi Commission (2008), and various OECD reports on an inclusive growth initiative and on the definition of well-being.



TABLE I.1: TPI conceptual framework and indicators



### TRANSITIONS PERFORMANCE INDEX



### **ECONOMIC TRANSITION**

Making the economy work for prosperity



### **SOCIAL TRANSITION**

Focusing on fairness and inclusion



### **ENVIRONMENTAL TRANSITION**

Supporting the European Green Deal objectives



### **GOVERNANCE TRANSITION**

A new push for democracy

### **Education**

Government expenditure in education per student (% of GDP per capita)

### Health

Healthy life expectancy at birth (years)

### **Emissions reduction**

Gross greenhouse gas emissions (tonnes per capita)

### **Fundamental rights**

Voice and accountability index and rule of law index

### Wealth

Gross domestic product (GDP) per capita, current dollars (PPP\$)

### Work and inclusion

Employment rate of population 20-64 (%), Employment-to-population ratio gender gap 25+ (%), and Early childhood care and education (%)

### **Biodiversity**

Terrestrial and freshwater key biodiversity areas protected (%) and pesticides use per area of cropland (kg/a)

### Security

Homicide rate (per 100,000 inhabitants)

## Labour productivity and R&D intensity

Output per worker (2011 constant GDP PPP\$) and gross expenditure on R&D (% of GDP)

## Free or non-remunerated time

Free or non-remunerated time (%)

### **Resource productivity**

Resource productivity (PPP\$ per kg): GDP (PPP\$) per unit of domestic material consumption (DMC) of raw materials (kg)

### Transparency

Corruption Perceptions Index and Basel Money Laundering Index

### **Industrial base**

Gross value added of manufacturing (% of GDP) and patent families filed in two offices (per billion PPP\$ GDP)

### **Equality**

Gini coefficient of disposable income, post taxes and transfers and Income share held by the poorest quintile (%)

### **Energy productivity**

Energy productivity (PPP\$ per koe): GDP (PPP\$) per unit of energy use (kilogram of oil equivalent, koe)

### Sound public finances

General government gross debt (% of GDP)



### 3. DETAILED COMPOSITION

### PILLAR 1. ECONOMIC TRANSITION

Objective: Making the economy work for a new prosperity.

**Rationale:** To go beyond GDP measures of prosperity by adding elements on a country's ability to sustain long-term economic growth through investment in human capital (education), innovation and industry.

The first pillar, economic transition, is the pragmatic part of the transformation agenda. A radical economic transformation is required that provides sufficient funding for the environmental transformation needed, while securing resources for jobs, housing, food, etc.

At the same time, this transition must ensure that research, innovation, and training help to facilitate progress. This can be achieved by investing in the education of future generations and guaranteeing that value creation is rooted within the regions in transformation and not offshored. This is a challenge for the European continent, but not solely. The various elementary indicators in this pillar describe a well-functioning, competitive and smart economy.

The first pillar sets the basic precondition for a prosperous society and a healthy economy. GDP measures the overall production of goods and services, but this growth must be sustainable, i.e. with competitive economies where knowledge and new technology result from education, training, and innovation. There is no guarantee that growth in GDP and private activity will automatically generate a sufficient level of these public goods<sup>8</sup>, and the indicators are chosen to address that risk

### **SUB-PILLAR 1.1. EDUCATION**

Objective: Knowledge sustainability.

<u>Indicator</u>: Government expenditure on education per student (% of GDP per capita).

<u>Rationale</u>: Education at all levels (primary, secondary, and tertiary) is a prerequisite for a sustainable transition path.

Education is a collective good providing many spillover benefits. Therefore, on top of the legitimate private funding already measured in per capita GDP, public funding of education is a valid measure of the collective effort in favour of education.

For education, the difficulty is to create a simple, objective, output indicator that would comprehensively cover the results of the public effort made at primary, secondary and tertiary level. Output measures do not discriminate between public and private efforts, and objective measures such as the rankings compiled by the OECD's Programme for International Student Assessment do not cover tertiary level. Therefore, for the time being, a proxy input indicator is used that seems appropriate for the European situation.

In future editions, if an outcome indicator becomes available and is widely supported, it could be considered to complement or replace the current indicator. Moreover, as part of the European Semester, detailed data exist to monitor the various dimensions of education, and the TPI does not aim to duplicate these fundamental reports.

### SUB-PILLAR 1.2. WEALTH

<u>Objective:</u> To maintain the economic conditions that provide the resources for collective and individual well-being.

<u>Indicator</u>: Gross domestic product (GDP) per capita, current dollars (PPP\$).

Rationale: The inclusion of GDP is not a plea for growth – and certainly not a plea for growth at any cost. However, one cannot avoid the reality that: (i) the Earth faces a growing population; (ii) individual salaries from work (which also go through tax revenues to pay for pensions and social care) depend on a healthy economy; and (iii) public and private investments are needed to face the economic transformation.

# SUB-PILLAR 1.3. LABOUR PRODUCTIVITY AND R&D INTENSITY

<u>Objective:</u> To ensure the sustainability of industrial and technological progress.

*Indicator*: Composite of: (i) output per worker (2011 constant GDP PPP\$), and (ii) gross expenditure on R&D (% of GDP).



<sup>8</sup> The second pillar addresses the difficulty of GDP to differentiate between types of activities and the risks it does not reflect adequately variations in individual welfare.

Rationale: Scientific progress, innovation, and human capital adapted to the digital transformation enable economies to be resilient. They also enable economies to provide better products and services to respond to individual and social needs, while remaining internationally competitive. Total factor productivity would have been the most appropriate proxy to measure an economy's capacity to sustain progress over time. However, the only available metric is an index with a base year aimed at measuring progress and not absolute levels.

The combination of labour productivity and R&D intensity adequately describes the impact of: (i) physical investment, work organisation, and business models; and (ii) two main intangibles: improvement in skills and investment in science and innovation. Moreover, one of the Europe 2020 targets is to increase combined public and private investment in R&D to 3% of GDP<sup>9</sup>.

### SUB-PILLAR 1.4. THE INDUSTRIAL BASE

<u>Objective:</u> Technology sustainability, providing the basis to produce locally and to deploy innovative solutions across the territory; increased resilience.

<u>Indicator</u>: Composite of: (i) manufacturing gross value added (% of GDP), and (ii) patent families filed in two offices (over GDP PPP\$).

Rationale: An economy that innovates and provides jobs supports the European socioeconomic model. Local production also protects the environment, in particular by minimising transport and greenhouse-gas emissions. Most of Europe's knowledge and intellectual assets need to be deployed locally to create a critical mass for diffusing this knowledge and these assets across various sectors and disciplines. For this reason, the development of smart, innovative, and sustainable industry in Europe is a key objective. The COVID-19 crisis has shown that the resilience of an economy also depends on its capacity to: (i) respond quickly to local needs; (ii) maintain sufficient capacity of production locally (or within a common market); and (iii) in certain cases have a sufficient degree of technological sovereignty to prioritise emerging needs. Beyond the health domain, such needs may exist in other areas, such as the environment, the digital economy, healthy food, energy, or defence.

### **PILLAR 2. SOCIAL TRANSITION**

Objective: Focusing on fairness and inclusion.

Rationale: To measure the extent to which people live in a society that provides health, jobs, household income, and free time in a fair and inclusive manner. Even with a well-functioning economy and democracy (measured in pillars 1 and 4), the principle of 'people first' guides the European Commission's action, in line with the SDGs.

The second pillar, social transition, is the part of the conceptual framework dealing with fairness. It is aimed at assessing whether: (i) the European social model is being improved and protected; and (ii) the resources that are generated (and measured in Pillar 1) are being used efficiently to fairly serve the needs of the people. It encompasses major areas that affect everyone's lives such as: (i) health protection; (ii) access to work; (iii) fairness in the distribution of incomes; (iv) fairness in the tax and redistribution systems; and (v) the capacity to have spare time for personal and social activities.

### **SUB-PILLAR 2.1. HEALTH**

Objective: Providing health to the public/citizens.

Indicator: Healthy life expectancy at birth (years).

Rationale: A society and economy that work for people must strive to improve people's health. Health and healthcare are lifelong concerns. For this reason, this sub-pillar focuses more on having a healthy life than merely a long life. The choice of indicator is therefore healthy life expectancy at birth, as opposed to plain life expectancy. This indicator also includes the worrying challenge of mental-health problems, which affect a growing share of the population worldwide.

### SUB-PILLAR 2.2. WORK AND INCLUSION

<u>Objective:</u> Providing access to work in an inclusive manner.

*Indicator*: Composite of: (i) the employment rate of people aged 20-64; (ii) the employment-to-population ratio gender



gap of people aged 25 or more; and (iii) early childhood care and education (%).

Rationale: Having a job is necessary to have a regular income, advance in society, and build achievements with social value. Working should be accessible to everyone, with no discrimination by race, gender, or minority status. The employment rate includes data that reflect discrimination by age, gender, or social/racial origin (the indicator worsens with discrimination).

Two indicators have also been included that increase the weight given to both gender discrimination and the absence of early childhood care and education (which de facto limits access to employment for parents). One of the Europe 2020 targets is to increase the employment rate of the population aged 20-64 to at least 75%.

In future editions, this sub-pillar could be strengthened by adding an indicator on wage discrimination – and possibly an indicator on access to work by disabled persons – as soon as international data with sufficient coverage are available.

### SUB-PILLAR 2.3. FREE OR NON-REMUNERATED TIME

<u>Objective:</u> Providing time for personal use, social networking, and volunteering.

<u>Indicator</u>: Free or non-remunerated time of the active population (%).

Rationale: It is a modern historical trend that progress and productivity can be used to liberate people of the obligation to work long hours for most of their lives, providing free time for creativity, social commitments, family, sports, etc. Free time is not directly measured by GDP nor by most of the existing indicators, even though it has been an essential part of social progress since the abolition of slavery. Similarly, the social contribution of non-remunerated work – within households, charities, or social networks – is also not fully considered in GDP, even though it is growing in importance in our societies. This indicator is therefore essential to arrive at a real understanding of well-being. The indicator has been designed to be independent of the employment rate, measured in the previous sub-pillar.

### **SUB-PILLAR 2.4. EQUALITY**

<u>Objective:</u> Reducing inequality in personal income distribution after taxes and transfers.

<u>Indicator</u>: Composite of: (i) the Gini coefficient of disposable income, after taxes and transfers; and (ii) the income share held by the poorest quintile.

Rationale: Contemporary societies have often sought to reduce inequality of income. Fairness in salaries, redistribution, and progressive taxes all contribute to this objective. This drive to reduce inequality is not limited to a charity-type approach, caring only for the poorest. Instead, it is about taking from – and redistributing to – the entire population. The Gini coefficient measures not only the wealth gap between the richest and poorest members of society, but also the distribution of wealth across the board. This is especially relevant today when digital and economic transformation are constantly changing job profiles and affecting the salaries of the middle classes.

In this sub-pillar, the Gini coefficient is complemented with the income share held by the poorest 20% of the population to consider the situation of the people at risk of exclusion, as this part of the population is particularly affected by transformations and at the moment by the Covid-19 crisis.

### PILLAR 3. ENVIRONMENTAL TRANSITION

<u>Objective:</u> Supporting the objectives of the European Green Deal.

<u>Rationale</u>: To measure the extent to which countries are protecting biodiversity, tackling climate change, and making productive use of resources and energy.

This pillar deals directly with the insufficiency of GDP to measure the impact of growth on the stock of common environmental goods. The scale of the environmental crisis justifies making the environmental transition a central element of the index at this turning point in our history, corresponding to the political priority set by the Green Deal.



### **SUB-PILLAR 3.1. EMISSIONS REDUCTION**

<u>Objective:</u> Tackling climate change by reducing gross greenhouse-gas emissions.

*Indicator*: Gross greenhouse-gas emissions, excluding land use, land-use change and forestry (LULUCF), (tonnes per capita).

Rationale: The European Green Deal aims at 'tackling the climate challenge'. The main way to address this challenge is by reducing greenhouse-gas emissions and improving energy productivity (sub-pillar 3.4). These two objectives require different types of policies and investments, and they have different impacts on the organisation of production and consumption patterns. Sub-pillar 3.1 focuses on changing consumption patterns, while sub-pillar 3.4 focuses on improving the model of production. Both actions are fundamental, and the political choices must decide on the policy mixes between the two.

One of the Europe 2020 targets is 'Reducing greenhousegas emissions by at least 20% compared to 1990 levels'9.

### **SUB-PILLAR 3.2. BIODIVERSITY**

### **Objective:** Protecting biodiversity.

<u>Indicator</u>: Composite of: (i) terrestrial and (ii) freshwater key biodiversity areas protected (%), and (iii) pesticide use per area of cropland (kg/ha).

Rationale: The loss of biodiversity has accelerated to an unprecedented level in Europe and worldwide. It has been estimated that the current global extinction rate is 100 to 1000 times higher than the natural rate. In Europe, some 42% of mammals are endangered, together with 15% of birds and 45% of butterflies and reptiles.

The European Green Deal 'aims to conserve and enhance the European Union's natural capital'. Protecting biodiversity is the most pressing challenge for the survival of humankind in the medium to long term. Indeed, biodiversity is the key indicator of the health of an ecosystem, as a wide variety of species cope better with threats than a limited variety of species. Even if certain species are affected by pollution, climate change or human activities, ecosystems

may adapt and survive. However, the extinction of a species may have unforeseen impacts, sometimes snowballing into the destruction of entire ecosystems.

For a complete picture, biodiversity is measured in:
(i) protected areas on land, (ii) protected areas on
freshwater); and (iii) in the much larger non-protected areas
such as farmland with the use of pesticides in cropland as
a proxy. These indicators complement the GHG-emissions
indicator, which besides addressing climate change includes
emissions by cars and industry (and other pollutants). Other
metrics on sulfur oxides and non-methane volatile organic
compounds were also considered, but they have been
discontinued at the international level. In the future, data
on artificialised soils and on other air pollutants could be
considered if they become available on a comparable basis
at global scale.

### SUB-PILLAR 3.3. RESOURCE PRODUCTIVITY

<u>Objective:</u> Using efficiently the stock of material resources and minimising their impact on the environment.

<u>Indicator</u>: GDP per unit of domestic material consumption of raw materials (PPP\$ per kg).

Rationale: Resource productivity means using the Earth's limited resources in a sustainable manner while minimising impacts on the environment. This makes it possible to create more value with less input. It is an essential component of the European Green Deal. The promotion of a resource-efficient production base will further encourage a fundamental transition in the EU towards a circular economy where resources are not simply extracted, used, and thrown away.

The fundamental question is to what extent GDP growth can be decoupled from material consumption. Innovation, the circular economy, digitalisation, and informed consumer choices all contribute to this objective. For data-availability and comparability reasons, the index uses raw-material data. This choice also means avoiding the risk of double counting with indicator 3.4 (below), which is correlated with the use of energy material (oil, coal, etc.).



### **SUB-PILLAR 3.4. ENERGY PRODUCTIVITY**

<u>Objective:</u> Protecting the stock of energy resources for future generations and minimising its impact on the environment.

<u>Indicator</u>: GDP per unit of energy use (PPP\$ per kg of oil equivalent, koe).

**Rationale**: The production process – as well as fundamental activities such as housing or transportation – cannot exist without energy. As with resource productivity, the objective in this sub-pillar is to improve the efficiency of the economic system (production, transport, distribution, use and recycling) to make energy use sustainable.

One of the Europe 2020 targets is to improve energy efficiency by moving towards a 20% increase in energy efficiency (equalling a reduction to 1483 Mtoe of primary energy consumption by 2020), with energy efficiency calculated as the inverse of energy productivity<sup>9</sup>.

### PILLAR 4. THE GOVERNANCE TRANSITION

Objective: Promoting the European model of governance.

<u>Rationale</u>: To measure the extent to which institutions, systems of law, and community commitment ensure democracy, security, a healthy society, and the well-being of future generations (including by not leaving excessive debts to future generations).

The increased risks of disinformation, populism, and insufficient social dialogue show that governance cannot be separated from the other three pillars of transitions performance.

A sustainable path for 'a new growth strategy with a view to transform an economic zone into a fair and prosperous society' requires to ensure that society is based on a common societal model, in which people feel they have a stake and to which they feel they belong. This is the political pre-requisite.

The second pillar measures well-being at the individual level. The fourth pillar on the governance transition takes a broader view, describing key aspects of the institutional and societal framework that ground the social contract between citizens and society. This pillar reflects the institutional and collective choices to be made to preserve and improve societies. The agenda for transformation will not be acceptable without maintaining and enhancing the guarantees that form the basis of the governance systems.

### **SUB-PILLAR 4.1. FUNDAMENTAL RIGHTS**

<u>Objective</u>: Ensuring fundamental institutional rights for citizens.

<u>Indicator</u>: Composite of: (i) voice and accountability (index), and (ii) rule of law (index).

Rationale: Fundamental rights are a basic prerequisite for the social contract. The World Bank worldwide governance indicators cover six areas, two of which have been retained for the indicators in this sub-pillar: (i) voice and accountability; and (ii) rule of law. These are taken as proxies for fundamental rights firmly established under the Universal Declaration of Human rights<sup>11</sup>.

### **SUB-PILLAR 4.2. SECURITY**

Objective: Providing security to citizens.

*Indicator*: Homicide rate (per 100 000 inhabitants).

Rationale: Security affects everybody. The most direct measure of security is whether citizens are seriously at risk. High levels of violent crime compromise physical safety and psychological well-being, and the stress they cause also has a negative impact on health. An analysis of the data showed some biases in violent-crime indicators (probably due to the deficient recording of instances of serious assault, robbery, rape, etc.). For this reason, the homicide rate is used as a proxy. The data on imprisonment rates was also considered as a second indicator, but the interpretation and comparability of data unfortunately made it impossible to use.



<sup>10</sup> An EU goal stated in The European Green deal, Brussels, 11.12.2019, COM(2019) 640 final.

<sup>11</sup> Adopted by The United Nations General Assembly in 1948.

### **SUB-PILLAR 4.3. TRANSPARENCY**

<u>Objective:</u> Providing a healthy society with limited symptoms of dysfunction.

<u>Indicator:</u> Composite of: (i) the public corruption-perception index, and (ii) the Basel anti-money laundering index.

**Rationale**: Citizens wish to live in a society whose institutions they can trust. Patricia Moreira, Managing Director of Transparency International says that 'corruption chips away at democracy to produce a vicious cycle, where corruption undermines democratic institutions and, in turn, weak institutions are less able to control corruption'.

The perception of public corruption is a good indicator of whether the citizens trust the behaviour of their administration and public authorities. Similarly, the Basel anti-money laundering index measures the degree of trust in a financial system and whether it favours tax avoidance or money laundering, weakening social consensus and the sense of justice.

### **SUB-PILLAR 4.4. SOUND PUBLIC FINANCES**

<u>Objective:</u> To avoid financing present consumption and investment at the expense of future generations.

<u>Indicator</u>: General government gross debt (% of GDP).

Rationale: Societies face profound transformations, and the temptation is great to finance these by endangering the stability of public finances. This presents two serious costs, both of which add to the burden faced by future generations. Firstly, by delaying difficult but necessary choices, the proper management of this transformation is compromised. Secondly, the present generation could maintain its advantages by adding to public debt, leaving the bill to future generations.

The management of 'stocks' is essential to the implementation of the 'beyond GDP' perspective. Increasing the stock of debt, destroying natural stocks (biodiversity, resources, etc.), or stopping investment in stocks of human capital and knowledge all endanger the wealth of future generations.

The Covid-19 crisis will have a negative statistical impact on many measures of 'stocks' in the TPI, due to increases in poverty and debt, and lower levels of investment. This will obviously impact the evolution of the TPI score in the coming years, as would have any major crisis. For this reason, the behaviour of the TPI will need to be monitored and, if needed, be adapted, including this ratio. It is expected, for instance, that the increase in the value of this ratio could be somewhat counterbalanced by the indicators with GDP in the denominator. In anticipation, however, the decision was to assign a small weight to this indicator.

Furthermore, the target goalposts for this indicator are kept less demanding than the EU target threshold of 60%. Considering the economic crisis stemming from the pandemic, as well as countries' different stages of development, the TPI sets a compromise. On the one hand, the importance of protecting future generations from excessive debt is recognised: prudent prioritisation of public investment (in R&D or environmental investment, for instance) may generate sustainable growth, alleviating the cost of the debt in the future. On the other hand, there is a need for flexibility and time to adapt to the health and economic crises. The upper and lower 'goalposts' (target ranges), the normalisation method, and the weights (see Appendix IV - Technical notes) are all designed to avoid unduly penalising countries. The independent statistical audit recommends an analysis of the statistical behaviour of this indicator for future editions of the TPI.

The place of this indicator under the governance pillar is justified, as it is neutral in terms of allocation of resources. Levels and trends in debt-to-GDP depend on the democratic capacity to: (i) make fiscal choices (to reach a consensus on the prioritisation of expenses); and (ii) have a social agreement to contribute to tax (tax evasion and tax avoidance are two of the greatest challenges in all political regimes). Levels and trends of debt-to-GDP also depend on good governance at all levels. Local cronyism may inflate public debt at other governance levels, e.g. at the city or district level. This indicator is therefore part of ensuring the good governance needed to create a consensus for managing the economic, social, and environmental transitions monitored by the three other pillars of the TPI.





# APPENDIX II

**COUNTRY PROFILES** 

### **COUNTRY PROFILES HOW-TO-READ**

This appendix provides detailed profiles for each of the 72 countries in the Transitions Performance Index 2020, the European Union (EU) and the world.

Please see Appendix III Technical notes for details on computations and modelling choices, such as weights, upper and lower goalposts for normalisation, aggregation, etc. And refer to Appendix IV Sources and definitions for details on indicators.

1. The first box, below the country name, includes four key context indicators for all countries: Population in million inhabitants<sup>1</sup>; Gross Domestic Product (GDP) per capita in current Purchasing Power Parity dollars (PPP\$); GDP in billion PPP\$<sup>2</sup>; and trade as a percentage of GDP<sup>3</sup>.

EU countries and a few other countries include the Summary Innovation Index score [0-100]<sup>4</sup>; EU countries and the United Kingdom include the Digital Economy and Society Index score [0-100]<sup>5</sup>.

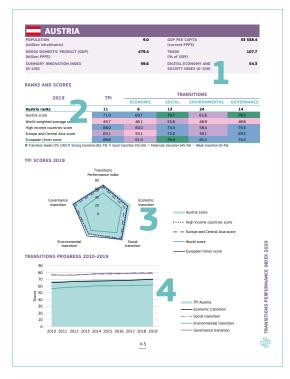
2. The **'Ranks and scores'** table includes, for the TPI and each of the four transitions (economic, social, environmental and governance), each country's 2019 ranks and scores, the weighted average arithmetic score for the 72 countries (the 'World' score), the simple arithmetic average scores for the income group and geographical region to which the country pertains, and the EU score.

Income group is defined according to the World Bank Income Group Classification (July 2019): lower-middle income; upper-middle income; and high income (the 2020 TPI does not include low income countries)<sup>6</sup>.

Geographical regions include the Americas; Europe and Central Asia; Middle East and Africa; and South East Asia and Pacific. The EU is a distinct category included in all country profiles.

Scores are normalised in the [0-100] range; rankings range from 1 to 72; the EU and world scores are not ranked.

Scores are colour-coded into five '**transition groups**' based on fixed values: 'transition leader', in dark green ■, for scores greater than or equal to 75, and less than or equal to 100 ([75-100]); 'strong transition', in blue ■, for scores greater than or equal to 65, and less than 75 ([65-75[); 'good transition', in purple ■, for scores greater than or equal to 55, and less than 65 ([55-65[); 'moderate transition', in pink ■, for scores greater than or equal to 45, and less than 55 ([45-55[); and 'weak transition', in beige ■, for scores greater than or equal to 0, and less than 45 ([0-45[).



<sup>1</sup> United Nations, Department of Economic and Social Affairs, Population Division, World Population Prospects 2019, <a href="https://population.un.org/wpp/">https://population.un.org/wpp/</a>

Income classifications are set each year on 1 July and are fixed during the World Bank's fiscal year (ending on 30 June). Income groups are defined based on the Gross National Income (GNI) per capita, calculated using the World Bank Atlas method: low income economies are those with a GNI per capita of USD 1 035 or less in 2019; lower-middle income economies are those with a GNI per capita between USD 1 036 and USD 4 045; upper-middle income economies are those with a GNI per capita between USD 4 046 and USD 12 535; and high income economies are those with a GNI per capita of USD 12 536 or more.



<sup>2</sup> Both series from the International Monetary Fund, World Economic Outlook Update, June 2020 (see Section IX.1) <a href="https://www.imf.org/en/Publications/WE0/Issues/2020/06/24/WE0UpdateJune2020">https://www.imf.org/en/Publications/WE0/Issues/2020/06/24/WE0UpdateJune2020</a>

<sup>3</sup> World Bank, World Development Indicators, downloaded 16 September 2020 (see Section IX.5) <a href="https://data.worldbank.org/indicator/NE.TRD.GNFS.ZS">https://data.worldbank.org/indicator/NE.TRD.GNFS.ZS</a>

<sup>4</sup> European Commission, Digital Economy and Society Index 2020 (see Section IX.3), <a href="https://digital-agenda-data.eu/datasets/desi/visualizations">https://digital-agenda-data.eu/datasets/desi/visualizations</a>

<sup>5</sup> European Commission, European Innovation Scoreboard 2020, Summary Innovation Index (see Section IX.2) <a href="https://ec.europa.eu/growth/industry/policy/innovation/scoreboards">https://ec.europa.eu/growth/industry/policy/innovation/scoreboards</a> en.

3. The '**TPI scores 2019**' radar chart presents the scores from the previous table. The country score is represented by the shaded area, while lines represent the income, region, world and EU scores.

Note that the world and EU TPI and transition score plain lines (green and blue) represent roughly mid- and three-quarters of the way towards the upper goalpost score of 100.

- 4. The 'Transitions progress 2010-2019' chart presents country scores over the 2010-2019 period. The shaded area represents the TPI score, while lines represent each of the four transitions: economic, social, environmental and governance. For the EU profile, only the 27 current members are included in the computation of scores for the entire period (i.e. the United Kingdom is not included).
- 5. The second page of the profile includes detailed information for each country, the EU, and the world. Rows present the TPI (in purple), the four pillars, i.e. transitions (in dark green, name in bold, single-digit code), the 16 sub-pillars (four for each pillar, in light green, name in capital letters, two-digit code), and the 25 indicators (in white, three-digit code, unless a sub-pillar includes a single indicator, in which case it appears in light green, as a sub-pillar, with a two-digit code).

For example, indicator 1.3.2 Gross expenditure on R&D (% of GDP) appears under sub-pillar 1.3 LABOUR PRODUCTIVITY & R&D INTENSITY, which, in turn, appears under **pillar 1. Economic transition**. Similarly, single indicator 2.1 Healthy life expectancy at birth (years) appears under sub-pillar 2.1 (same code), HEALTH, which, in turn, appears under **pillar 2**. **Social transition**.

Regarding columns, for each indicator, 'value' is the value in the unit provided in parenthesis in the name of the indicator. Then for each dimension (indicator, sub-pillar, pillar, or TPI), 'rank' is the rank of each 'score' among the scores of the 72 countries. Each 'score' is the normalised score of the indicator 'value' in the [0-100] range. Where data are not available, 'N/A' is used.

Each dimension 'score' and corresponding 'rank' (TPI, pillar, sub-pillar) is calculated as the weighted average of the scores in the sub-dimension (pillar, sub-pillar and indicator respectively). Please see Appendix III for details and modelling choices.

To the right of the table, two columns categorise the scores over the 2010-2019 period. Colour coding of scores into transition groups help to interpret score levels;<sup>7</sup> arrows and lines are a guide to interpret progress since 2010.

Arrows are used to compare the growth of 2019 scores over 2010 scores: 

indicates a decline of 10% or more;

indicates a decline between 0% and 10%, '-' indicates growth within expected ranges, between 0% and below 6.5%;

indicates growth from 6.5% but less than 13%; and ↑ indicates growth above 13%.

Lines represent the evolution in scores. All scores use the same [0-100] range, and normalisation is based on the indicator's upper and lower goalposts which are fixed for the entire 2010-2019 period. Progress lines are not drawn in the [0-100] scale, however, they are drawn using automatic scaling, thereby depicting trends and evolution but not levels.





<sup>7</sup> For scores, the colour coding is the same as that described under numbered paragraph 2 above.

### EUROPEAN UNION COUNTRY PROFILES

Austria	II-5
Belgium	II-7
Bulgaria	II-9
Croatia	II-11
Cyprus	II-13
Czechia	II-15
Denmark	II-17
Estonia	II-19
Finland	II-21
France	li-23
Germany	II-25
Greece	II-27
Hungary	II-29
Ireland	II-31

Italy	II-33
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### REST OF THE WORLD COUNTRY PROFILES

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Algeria	II-63
Argentina	II-65
Armenia	II-67
Australia	II-69
Bosnia and Herzegovina	II-71
Brazil	II-73
Canada	II-75
Chile	II-77
China	il-79
Colombia	II-81
Egypt	II-83
Georgia	II-85
Iceland	II-87
India	II-89
Indonesia	II-91
Iran	II-93
Israel	II-95
Japan	II-97
Kenya	II-99
Malaysia	II-101
Mexico	II-103
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Morocco	II-109
New Zealand	II-111
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United Kingdom	II-145
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World profile (72 countries, including EU)	II-151



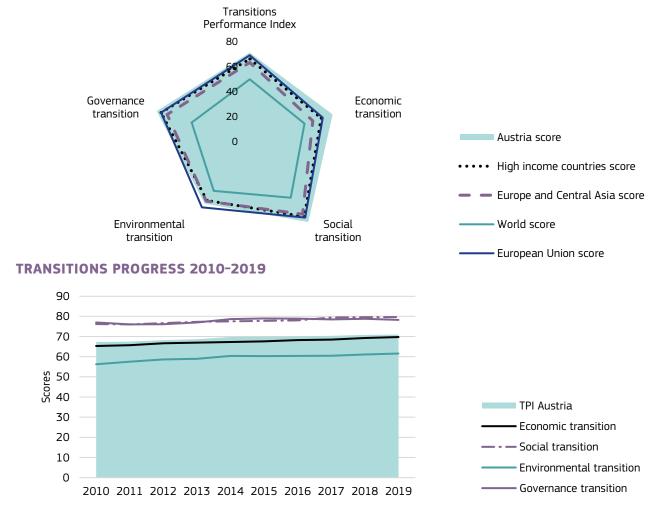
<b>AUSTRIA</b>			
POPULATION (million inhabitants)	9.0	GDP PER CAPITA (current PPP\$)	53 558.4
GROSS DOMESTIC PRODUCT (GDP) (billion PPP\$)	479.4	TRADE (% of GDP)	107.7
SUMMARY INNOVATION INDEX (0-100)	59.6	DIGITAL ECONOMY AND SOCIETY INDEX (0-100)	54.3

### **RANKS AND SCORES**

2019	TPI	TRANSITIONS				
2019	IPI	ECONOMIC	ENVIRONMENTAL	GOVERNANCE		
Austria ranks	11	6	13	24	14	
Austria score	71.0	69.7	79.7	61.6	78.3	
World weighted average score	49.7	46.1	55.8	48.9	48.8	
High income countries score	66.0	60.0	74.4	58.4	74.5	
Europe and Central Asia score	63.1	53.1	72.0	59.1	69.5	
European Union score	68.8	61.4	75.4	65.2	74.5	

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

### **TPI SCORES 2019**





EDUCATION: Government expenditure in education per student   19.1   18   76.3   76.3   76.5	ALICTRIA		2	2019		2010-2019		
Economic transition	AU:	SIRIA	VALUE	RANK	SCORE	SCORE PROGRESS		
EDUCATION: Government expenditure in education per student   19.1   18   76.3   76.3   76.5	TRANS	ITIONS PERFORMANCE INDEX		11	71.0	-		
11   1   18   76.5	1.	Economic transition		6	69.7	7		
1.3 LABOUR PRODUCTIVITY & R&D INTENSITY 1.3.1 Output per worker (2011 constant GDP PPPS) 94 643.6 14 65.1 − 1.3.2 Gross expenditure on R&D (% of GDP) 3.2 6 63.1 ↑ 1.4 INDUSTRIAL BASE 10 665 − 1.4.1 Gross value added of manufacturing (% of GDP) 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 1.4.3 12 82.2 ¥ 1.4.1 HEALTH: Healthy life expectancy at birth (years) 1.5.2 WORK AND INCLUSION 1.5.2 73.9 A 1.5.2 Employment-to-population aged 20-64 (%) 1.5.2 Employment-to-population ratio gender gap 25+ (%) 1.1.9 19 1.2.1 Employment-to-population ratio gender gap 25+ (%) 1.1.9 19 1.2.2 Employment-to-population ratio gender gap 25+ (%) 1.1.9 19 1.2.1 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%) 1.5.2 55 58.6 ↑ 1.5.2 55 58.6 ↑ 1.5.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%) 1.5.4 EQUALITY 1.5 77.6 − 1.7 77.6 − 1.7 77.6 − 1.8 EMISSIONS REDUCTION: Gross greenhouse gas emissions (0-100) 1.5 Environmental transition 1.5 EMISSIONS REDUCTION: Gross greenhouse gas emissions (1-10) 1.5 ENVIRONMENTAL REPUBLICATION: Gross greenhouse gas emissions (1-10) 1.5 ENVIRONMENTAL Republication (1-10) 1.6 Governance transition 1.7 Voice and accountability index (2-score) 1.9 6 97.0 − 1.4 EUNDAMENTAL RIGHTS 1.1 Voice and accountability index (2-score) 1.2 ECURITY: Homicide rate (per 100,000 inhabitants) 1.0 24 81.3 ¥ 1.1 FUNDAMENTAL RIGHTS 1.1 Voice and accountability index (2-score) 1.9 6 97.0 − 1.0 4.3 ¥ 1.0 4.3 ¥ 1.1 EURO flaw index (2-score) 1.9 6 97.0 − 1.0 4.3 ¥ 1.1 EURO flaw index (2-score) 1.1 5 91.6 \$ 1.2 EURO flaw index (2-score) 1.2 6 97.0 − 1.3 EURO flaw index (2-score) 1.4 6 97.0 − 1.5 EURITY: Homicide rate (per 100,000 inhabi	1.1	·	19.1	18	76.3	- ///		
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1.3.2 Gross expenditure on R&D (% of GDP)  1.4 INDUSTRIAL BASE 1.0 66.5 - 1.4.1 Gross value added of manufacturing (% of GDP) 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 1.4.3 12 82.2 M  2. Social transition 1.1 79.7 - 2. Bed.3 79	1.3	LABOUR PRODUCTIVITY & R&D INTENSITY		9	63.1	7		
1.4 INDUSTRIAL BASE  1.4.1 Gross value added of manufacturing (% of GDP)  1.4.2 Patent families filed in two offices (per billion PPPS GDP)  2.5 Social transition  2.6 HEALTH: Healthy life expectancy at birth (years)  2.7 WORK AND INCLUSION  2.8 Employment rate of the population aged 20-64 (%)  2.9 WORK AND INCLUSION  2.1 Employment-to-population ratio gender gap 25+ (%)  2.1 Employment-to-population ratio gender gap 25+ (%)  2.2.1 Employment-to-population ratio gender gap 25+ (%)  2.2.2 Employment-to-population ratio gender gap 25+ (%)  2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  2.4 EQUALITY  2.5 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  2.6 EQUALITY  2.7 T7.6 −  2.8 EQUALITY  2.9 FREE OR NON-REMUNERATED TIME: Sp5. 14  3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions  3.2 Environmental transition  3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions  3.2 BIODIVERSITY  3.3 BIODIVERSITY  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  3.5 Pesticide use per area of cropland (kg/ha)  3.6 RESOURCE PRODUCTIVITY: Energy productivity (PPPS per koe)  3.7 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  3.8 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  3.9 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  3.1 FUNDAMENTAL RIGHTS  4.1 FUNDAMENTAL RIGHTS  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  1.0 24 B13   3.1 ECURITY: Homicide rate (per 100,000 inhabitants)  3.1 ECURITY: Homicide rate (per 100,000 inhabitants)  3.2 ECURITY: Homicide rate (per 100,000 inhabitants)  3.3 ECURITY: Homicide rate (per 100,000 inhabitants)  3.4 ENCRY PRODUCTIVITY: Homicide rate (per 100,000 inhabitants)  3.5 ECURITY: Homicide rate (per 100,000 inhabitants)  3.6 ECURITY: Homicide rate (per 100,000 inhabitants)  3.7 ENCREE TOR NOTE TATE TORS  3.8 ENCREMENTAL RIGHTS  3.9 ENCREMENTAL RIGHTS  4.1 EVINDAMENTAL RIGHTS  4.2 ESCURITY: Homicide rate (per 100,000 inhabitants)  3.9 ENCREMENTAL RIGHTS	1.3.1	Output per worker (2011 constant GDP PPP\$)	94 643.6	14	63.1	- /		
14.1 Gross value added of manufacturing (% of GDP) 14.2 Patent families filed in two offices (per billion PPPS GDP) 2. Social transition 2.1 HEALTH: Healthy life expectancy at birth (years) 2.2 WORK AND INCLUSION 2.5 73.9 2.1 Employment rate of the population aged 20-64 (%) 2.2.1 Employment rate of the population aged 20-64 (%) 2.2.2 Employment-to-population ratio gender gap 25+ (%) 2.2.3 Early childhood care and education (%) 2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%) 2.4 EQUALITY 2.4.1 Gini coefficient disposable income post taxes and transfers (0-100) 2.4.2 Income share held by the poorest quintile (%) 3. Environmental transition 3. Environmental transition 3. Elimison's REDUCTION: Gross greenhouse gas emissions (10 most per capita) 3. BIODIVERSITY 3. Erestvial key biodiversity areas (KBAs) protected (%) 3. Terrestrial key biodiversity areas (KBAs) protected (%) 3. RESOURCE PRODUCTIVITY: Resource productivity (PPPS per ko) 3. ENERGY PRODUCTIVITY: Resource productivity (PPPS per koe) 3. ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 4. ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 4. ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 4. Governance transition 4. ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 4. ENERGY PRODUCTIVITY: Energy productivity (PPPS pe	1.3.2	Gross expenditure on R&D (% of GDP)	3.2	6	63.1	1		
1.4.2 Patent families filed in two offices (per billion PPPS GDP) 2. Social transition 2.1 HEALTH: Healthy life expectancy at birth (years) 3.1 79.7 2.2 WORK AND INCLUSION 2.5 73.9 7 2.2 Employment rate of the population aged 20-64 (%) 3.2 Employment rate of the population aged 20-64 (%) 3.2 Early childhood care and education (%) 3.2 Early childhood care and education (%) 3.2 Early childhood care and education (%) 3.2 EQUALITY 3.4 EQUALITY 3.5 Free or non-remunerated time (%) 3.6 Equality 3.7 FREE OR NON-REMUNERATED TIME: 3.7 Free or non-remunerated time (%) 3.8 Environmental transition 3.9 Environmental transition 3.1 Environmental transition 3.2 EMISSIONS REDUCTION: Gross greenhouse gas emissions (nones per capita) 3.2 Environmental transition 3.3 Environmental transition 3.4 Environmental transition 3.5 Environmental transition 3.6 Environmental transition 3.7 EMISSIONS REDUCTION: Gross greenhouse gas emissions (nones per capita) 3.8 Environmental transition 3.9 EMISSIONS REDUCTION: Gross greenhouse gas emissions 3.1 Environmental transition 3.2 BIODIVERSITY 3.3 Pesticide use per area of cropland (kg/ha) 3.3 42 70.4 Su 3.3 Pesticide use per area of cropland (kg/ha) 3.3 42 76.1 Su 3.3 Pesticide use per area of cropland (kg/ha) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 3.5 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 4.1 FUNDAMENTAL RIGHTS 4.1 Voice and accountability index (z-score) 4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 4.1 FUNDAMENTAL RIGHTS 4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 4.3 ENERGY PRODUCTIVE Homicide rate (per 100,000 inhabitants) 4.4 B1.5 UNDAMENTAL RIGHTS 4.5 ECURITY: Homicide rate (per 100,000 inhabitants) 4.6 ECURITY: Homicide rate (per 100,000 inhabitants) 4.7 ENERGY PRODUCTIVE Homicide rate (per 100,000 inhabitants) 4.8 ECURITY: Homicide rate (per 100,000 inhabitants) 4.9 ECURITY: Homicide rate (per 100,000 inhabitants) 4.1 ENDAMENTAL RIGHTS 4.2 ECURITY: Homicide rate (per 100,000 inhabitants)	1.4	INDUSTRIAL BASE		10	66.5	- /		
2.1 BEALTH: Healthy life expectancy at birth (years)  2.2 WORK AND INCLUSION  2.3 Employment rate of the population aged 20-64 (%)  2.2 Employment rate of the population aged 20-64 (%)  2.2 Employment rate of the population aged 20-64 (%)  2.2 Employment-to-population ratio gender gap 25+ (%)  2.2 Employment-to-population ratio gender gap 25+ (%)  2.3 Early childhood care and education (%)  2.4 EQUALITY  2.5 FREE OR NON-REMUNERATED TIME:  2.6 Gini coefficient disposable income post taxes and transfers  2.7 To 7.6  2.8 EQUALITY  2.9 To 7.6  3.1 Emironmental transition  3.2 Environmental transition  3.3 Environmental transition  3.4 EMISSIONS REDUCTION: Gross greenhouse gas emissions  (tonnes per capita)  3.2 BIODIVERSITY  3.3 BIODIVERSITY  3.4 To 7.6  3.5 Freshwater key biodiversity areas (KBAs) protected (%)  3.6 Escure PRODUCTIVITY: Resource productivity  (pPPS per kg)  3.7 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  4.1 FUNDAMENTAL RIGHTS  4.1 FUNDAMENTAL RIGHTS  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  1.0 24 B13 W	1.4.1	Gross value added of manufacturing (% of GDP)	16.8	20	56.0	- ~~		
2.1 HEALTH: Healthy life expectancy at birth (years)  2.2 WORK AND INCLUSION  2.5 73.9 7  2.2.1 Employment rate of the population aged 20-64 (%)  2.2.2 Employment-to-population ratio gender gap 25+ (%)  2.2.2 Employment-to-population ratio gender gap 25+ (%)  2.3 Early childhood care and education (%)  2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  2.4 EQUALITY  2.4.1 Gini coefficient disposable income post taxes and transfers (0-100)  2.4.2 Income share held by the poorest quintile (%)  3. Environmental transition  3. Emironmental transition  3. EMISSIONS REDUCTION: Gross greenhouse gas emissions (100 consesper capital)  3. BIODIVERSITY  3. Environmental key biodiversity areas (KBAs) protected (%)  3. Environmental key biodiversity areas (KBAs) protected (%)  3. Pesticide use per area of cropland (kg/ha)  3. RESOURCE PRODUCTIVITY: Resource productivity (PPPS per koe)  3. ENSIGNEE PRODUCTIVITY: Resource productivity (PPPS per koe)  3. ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  4. Uside of law index (z-score)  4. EUCHITY: Homicide rate (per 100,000 inhabitants)  3. ECURITY: Homicide rate (per 100,000 inhabitants)	1.4.2	Patent families filed in two offices (per billion PPP\$ GDP)	4.3	12	82.2	7		
2.2 WORK AND INCLUSION  2.2.1 Employment rate of the population aged 20-64 (%)  2.2.2 Employment-to-population ratio gender gap 25+ (%)  2.2.3 Early childhood care and education (%)  2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  2.4 EQUALITY  2.4.1 Gini coefficient disposable income post taxes and transfers (0-100)  2.4.2 Income share held by the poorest quintile (%)  3.1 Environmental transition  3.2 EMISSIONS REDUCTION: Gross greenhouse gas emissions (0-100)  3.2 BIODIVERSITY  3.3 Environmental transition  3.4 Environmental transition  3.5 Environmental transition  3.6 Environmental transition  3.7 Environmental transition  3.8 Environmental transition  3.9 deficient disposable income post taxes and transfers (0-100)  3.9 Environmental transition  3.1 Environmental transition  3.2 BIODIVERSITY  3.3 Environmental transition  3.4 Terrestrial key biodiversity areas (KBAs) protected (%)  3.5 Pesticide use per area of cropland (kg/ha)  3.6 Pesticide use per area of cropland (kg/ha)  3.7 RESOURCE PRODUCTIVITY: Resource productivity  3.8 RESOURCE PRODUCTIVITY: Resource productivity  3.9 RESOURCE PRODUCTIVITY: Energy productivity (PPPS per koe)  3.0 Powernance transition  3.1 FUNDAMENTAL RIGHTS  3.2 Ride of law index (z-score)  3.3 Resource of tax index (z-score)  3.4 Rule of law index (z-score)  3.5 SECURITY: Homicide rate (per 100,000 inhabitants)  3.6 SECURITY: Homicide rate (per 100,000 inhabitants)  3.7 Security in the production in the popular interest of the popular int	2.	Social transition		13	79.7	-		
2.2.1 Employment rate of the population aged 20-64 (%)  76.2 22 72.4 7  2.2.2 Employment-to-population ratio gender gap 25+ (%)  11.9 19 83.1 -  2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  2.4 EQUALITY  17 77.6 -  2.4.1 (Gini coefficient disposable income post taxes and transfers (0-100)  2.4.2 Income share held by the poorest quintile (%)  3. Environmental transition  2. EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3.2 BIODIVERSITY  2.3 Pesticide use per area of cropland (kg/ha)  3.3 Qesticide use per area of cropland (kg/ha)  3.4 ENERGY PRODUCTIVITY: Resource productivity (PPPS per koe)  4.1 FUNDAMENTAL RIGHTS  4.1 FUNDAMENTAL RIGHTS  4.1 Voice and accountability index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  1.0 24 81.3	2.1	HEALTH: Healthy life expectancy at birth (years)	70.9	20	86.3	-		
2.2.2 Employment-to-population ratio gender gap 25+ (%)  2.3 Early childhood care and education (%)  55.2 35 58.6 ↑  2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  2.4 EQUALITY  59.5 14 80.9 −  Coloron-remunerated time (%)  2.5 Equality  17 77.6 −  2.6 Gini coefficient disposable income post taxes and transfers (0-100)  2.6 Income share held by the poorest quintile (%)  3.1 Environmental transition  24 61.6	2.2	WORK AND INCLUSION		25	73.9	7		
2.2.3 Early childhood care and education (%)  2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  2.4 EQUALITY  2.5 Gini coefficient disposable income post taxes and transfers (0-100)  2.6 Lincome share held by the poorest quintile (%)  3.1 Environmental transition  3.2 Elmissions REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3.2 BIODIVERSITY  3.3 Terrestrial key biodiversity areas (KBAs) protected (%)  3.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per koe)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  4.5 Governance transition  4.6 Governance transition  4.7 Sassing Page 4  4.1 Voice and accountability index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  5.5 2 35 58.6 ↑  5.5 2 35 58.6 ↑  5.5 2 35 58.6 ↑  5.5 2 35 58.6 ↑  5.5 2 35 58.6 ↑  5.5 2 35 58.6 ↑  5.5 2 35 58.6 ↑  5.5 2 35 58.6 ↑  5.5 2 35 58.6 ↑  5.5 2 35 58.6 ↑  5.5 2 35 58.6 ↑  5.5 2 35 58.6 ↑  5.5 2 35 58.6 ↑  5.5 2 35 58.6 ↑  5.5 2 35 58.6 ↑  5.5 2 36 58.6 ↑  5.7 7.6 ↑  7.6 ↑  7.7 6 ↑  7.7 6 ↑  7.7 6 ↑  7.7 6 ↑  7.7 6 ↑  7.7 6 ↑  7.7 6 ↑  7.7 6 ↑  7.7 6 ↑  7.7 6 ↑  7.7 6 ↑  7.7 6 ↑  7.7 6 ↑  7.7 6 ↑  7.7 6 ↑  7.7 6 ↑  7.7 6 ↑  7. 7.6 ↑  7. 7.6 ↑  7. 7.6 ↑  7. 7.6 ↑  7. 7.6 ↑  7. 7.6 ↑  7. 7.6 ↑  7. 7.6 ↑  7. 7.6 ↑  7. 7.6 ↑  7. 7.6 ↑  7. 7.6 ↑  7. 8.4 ↑  7. 9.7 ↑	2.2.1	Employment rate of the population aged 20-64 (%)	76.2	22	72.4	7		
2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  2.4 EQUALITY  2.4.1 Gini coefficient disposable income post taxes and transfers (O-100)  2.4.2 Income share held by the poorest quintile (%)  3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3.2 BIODIVERSITY  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per ko)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  4.5 Governance transition  4.6 Governance transition  4.7 ENDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  59.5 14  80.9  - 77.6  78.4  - 77.6  - 78.4  - 76.1  24  70.4  24  70.4  27  21  45.1  ↑  78.3  - 76.1  27  28  45.1  ↑  45.1  76.3  - 76.1  27  48  49  40.0  40.0  40.0  41.1 Voice and accountability index (z-score)  41.2 Rule of law index (z-score)  42.3 SECURITY: Homicide rate (per 100,000 inhabitants)  43.4 ENERGY PRODUCTIV: Homicide rate (per 100,000 inhabitants)  4.5 SECURITY: Homicide rate (per 100,000 inhabitants)	2.2.2	Employment-to-population ratio gender gap 25+ (%)	11.9	19	83.1	-		
Free or non-remunerated time (%)  2.4 EQUALITY  2.4.1 Gini coefficient disposable income post taxes and transfers (0-100)  2.4.2 Income share held by the poorest quintile (%)  3. Environmental transition  2. EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3.2 BIODIVERSITY  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per koe)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  4.5 Governance transition  4.6 Governance transition  4.7 FUNDAMENTAL RIGHTS  4.1 Voice and accountability index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  3.1 FUNDAMENTAL RIGHTS  3.2 SECURITY: Homicide rate (per 100,000 inhabitants)  3.3 FERSOURCE PRODUCTIVITY: Homicide rate (per 100,000 inhabitants)  3.4 ENERGY PRODUCTIVITY: Energy productivaty  3.5 FIVE DATA SUPPORT SUPPO	2.2.3	Early childhood care and education (%)	55.2	35	58.6	<b>↑</b>		
2.4 EQUALITY  2.4.1 Gini coefficient disposable income post taxes and transfers (O-100) 2.4.2 Income share held by the poorest quintile (%)  3. Environmental transition  3. EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3. ENDIVERSITY  3. Environmental key biodiversity areas (KBAs) protected (%)  3. Terrestrial key biodiversity areas (KBAs) protected (%)  3. Erieshwater key biodiversity areas (KBAs) protected (%)  3. Erieshwater key biodiversity areas (KBAs) protected (%)  3. Environmental transition  3. Environmental transition  4. Evironmental transition  5. Evironmental transition  6. Evironmental transition  6. Evironmental transition  7. Evironmental transition  8. Evironmental transition  9. Evironmental transition  9. Evironmental transition  1. Evironmental transition  2. Evironmental transition	2.3		59.5	14	80.9	- //		
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2.4.2 Income share held by the poorest quintile (%)  3. Environmental transition  3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3.2 BIODIVERSITY  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.2.3 Pesticide use per area of cropland (kg/ha)  3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)  4. Governance transition  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  8.0 21 75.0  - 7			20.7					
3. Environmental transition  3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3.2 BIODIVERSITY  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.2.3 Pesticide use per area of cropland (kg/ha)  3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per kg)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  24 61.6  7 70.4  9.6 49 60.0  - 70.4  1.2 4 71.2  - 71.		· · · ·				- \\\\		
3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3.2 BIODIVERSITY  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.2.3 Pesticide use per area of cropland (kg/ha)  3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per koe)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)  4. Governance transition  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  9.6 49  60.0  - 70.4  24 70.4  24 70.4  27 21 45.1  ↑  7.09  ↑  7.09  ↑  7.09  ↑  7.09  ↑  7.09  ↑  7.09  ↑  7.09  ↑  7.09  •  7.0			8.0			- 0		
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3.2.3 Pesticide use per area of cropland (kg/ha)  3.3 42 76.1   3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)  4. Governance transition  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  3.3 42 76.1   4.5.1 ↑  7.7.2					66.6	/		
3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)  4. Governance transition  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  2.7 21 45.1 ↑  70.9 ↑  78.3 −  14 78.3 −  15 91.6 以  70.9 ↑						/		
3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)  4. Governance transition  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  2.7 21 45.1  45.1 7	3.2.3	<u> </u>	3.3	42	76.1	7		
4.       Governance transition       14       78.3       -         4.1       FUNDAMENTAL RIGHTS       10       94.3       \(2)         4.1.1       Voice and accountability index (z-score)       1.4       15       91.6       \(2)         4.1.2       Rule of law index (z-score)       1.9       6       97.0       -         4.2       SECURITY: Homicide rate (per 100,000 inhabitants)       1.0       24       81.3       \(2)	3.3		2.7	21	45.1	1		
4.1       FUNDAMENTAL RIGHTS       10       94.3       ¥         4.1.1       Voice and accountability index (z-score)       1.4       15       91.6       ¥         4.1.2       Rule of law index (z-score)       1.9       6       97.0       -         4.2       SECURITY: Homicide rate (per 100,000 inhabitants)       1.0       24       81.3       ¥	3.4	ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)	14.2	19	70.9	1		
4.1.1 Voice and accountability index (z-score)       1.4       15       91.6       ¥         4.1.2 Rule of law index (z-score)       1.9       6       97.0       -         4.2 SECURITY: Homicide rate (per 100,000 inhabitants)       1.0       24       81.3       ¥	4.	Governance transition		14	78.3	-		
4.1.2 Rule of law index (z-score)       1.9       6       97.0       -         4.2 SECURITY: Homicide rate (per 100,000 inhabitants)       1.0       24       81.3       N	4.1	FUNDAMENTAL RIGHTS		10	94.3	7 ~		
4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  1.0 24 81.3   V	4.1.1	Voice and accountability index (z-score)	1.4	15	91.6	7		
	4.1.2	Rule of law index (z-score)	1.9	6	97.0			
43 TRANSPARENCY 17 626 7	4.2	SECURITY: Homicide rate (per 100,000 inhabitants)	1.0	24	81.3	7		
1.5 11011/51/11/11/11	4.3	TRANSPARENCY		17	62.6	7		
4.3.1 Corruption perceptions index (0-100) 76.0 14 76.0 7	4.3.1	Corruption perceptions index (0-100)	76.0	14	76.0	7		
4.3.2 Basel anti-money laundering index (0-10) 4.6 31 53.6 ↑	4.3.2	Basel anti-money laundering index (0-10)	4.6	31	53.6	<b>↑</b>		
4.4 SOUND PUBLIC FINANCES: Government gross debt (% of GDP) 74.0 54 68.4 7	4.4	SOUND PUBLIC FINANCES: Government gross debt (% of GDP)	74.0	54	68.4	7		

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

Progress or decline in scores (2010-2019): ↓ below -10%, ≥ below 0%, - between 0% and 6.5%, → above 6.5%, ↑ above 13%.

Note: Progress lines use automatic scaling.



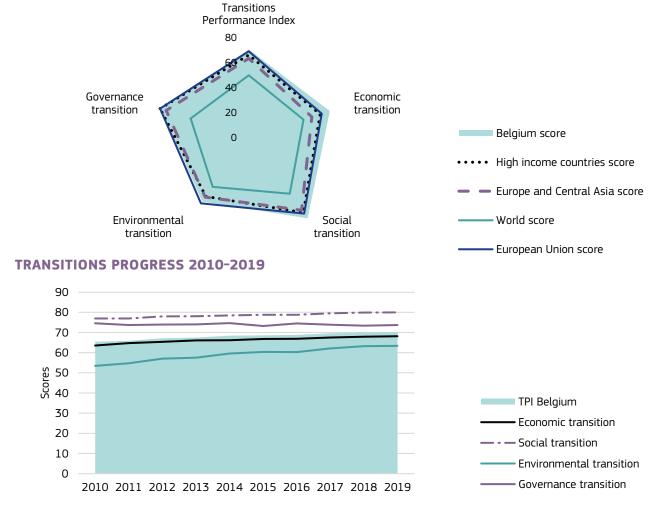
BELGIUM			
POPULATION (million inhabitants)	11.5	GDP PER CAPITA (current PPP\$)	49 528.9
GROSS DOMESTIC PRODUCT (GDP) (billion PPP\$)	567.5	TRADE (% of GDP)	163.3
SUMMARY INNOVATION INDEX (0-100)	61.5	DIGITAL ECONOMY AND SOCIETY INDEX (0-100)	58.7

### **RANKS AND SCORES**

2019	TPI	TRANSITIONS				
2019	IFI	ECONOMIC	ENVIRONMENTAL	GOVERNANCE		
Belgium ranks	14	9	10	19	23	
Belgium score	70.3	68.2	80.0	63.4	73.7	
World weighted average score	49.7	46.1	55.8	48.9	48.8	
High income countries score	66.0	60.0	74.4	58.4	74.5	
Europe and Central Asia score	63.1	53.1	72.0	59.1	69.5	
European Union score	68.8	61.4	75.4	65.2	74.5	

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

### **TPI SCORES 2019**





BELGIUM		20	2019			2010-2019	
		VALUE	RANK	SCORE	SC	ORE PROGRESS	
TRANS	ITIONS PERFORMANCE INDEX		14	70.3	7		
1.	Economic transition		9	68.2	7		
1.1	EDUCATION: Government expenditure in education per student (% of GDP per capita)	21.9	7	87.6	-		
1.2	WEALTH: GDP per capita, current dollars (PPP\$)	49 528.9	17	66.0	<b>1</b>		
1.3	LABOUR PRODUCTIVITY & R&D INTENSITY		11	60.5	7		
1.3.1	Output per worker (2011 constant GDP PPP\$)	103 779.2	8	69.2	_		
1.3.2	Gross expenditure on R&D (% of GDP)	2.6	11	51.9	<b>1</b>		
1.4	INDUSTRIAL BASE		20	55.3	7	\	
1.4.1	Gross value added of manufacturing (% of GDP)	12.0	40	40.0	7		
1.4.2	Patent families filed in two offices (per billion PPP\$ GDP)	3.2	16	78.2	-		
2.	Social transition		10	80.0	_		
2.1	HEALTH: Healthy life expectancy at birth (years)	70.2	25	83.9	_		
2.2	WORK AND INCLUSION		15	76.8	7		
2.2.1	Employment rate of the population aged 20-64 (%)	69.7	40	59.4	7		
2.2.2	Employment-to-population ratio gender gap 25+ (%)	10.6	13	84.8	_		
2.2.3	Early childhood care and education (%)	77.3	4	95.4	<b>1</b>	<b>/</b>	
2.3	FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)	54.7	29	72.2	_	\	
2.4	EQUALITY		10	83.6	_		
2.4.1	Gini coefficient disposable income post taxes and transfers (0-100)	27.4	8	83.6	-		
2.4.2	Income share held by the poorest quintile (%)	8.7	12	83.8	_	$\wedge$	
3.	Environmental transition		19	63.4	<b>1</b>		
3.1	EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)	10.5	55	56.3	<b>1</b>		
3.2	BIODIVERSITY		16	80.0	7		
3.2.1	Terrestrial key biodiversity areas (KBAs) protected (%)	81.0	17	81.0	_		
3.2.2	Freshwater key biodiversity areas (KBAs) protected (%)	92.8	10	92.8	_		
3.2.3	Pesticide use per area of cropland (kg/ha)	6.7	55	52.3	$\downarrow$	\	
3.3	RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)	4.0	8	67.2	<b>↑</b>		
3.4	ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)	10.0	47	50.2	<b>1</b>	/	
4.	Governance transition		23	73.7	7	~~~	
4.1	FUNDAMENTAL RIGHTS		16	91.7	_		
4.1.1	Voice and accountability index (z-score)	1.4	13	91.9	_	<b>~~~</b>	
4.1.2	Rule of law index (z-score)	1.4	20	91.4	7		
4.2	SECURITY: Homicide rate (per 100,000 inhabitants)	1.7	43	72.6	_	<b>~~</b>	
4.3	TRANSPARENCY		11	64.3	7		
4.3.1	Corruption perceptions index (0-100)	75.0	16	75.0	_		
4.3.2	Basel anti-money laundering index (0-10)	4.3	22	57.1	7		
4.4	SOUND PUBLIC FINANCES: Government gross debt (% of GDP)	100.0	65	51.6	_		
Trancit	ion leader [75-100] Strong transition [65-75] Good transition [55-65]	Moderate transition [4]	5-55[	Wook tranciti	on [0-4	51	

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

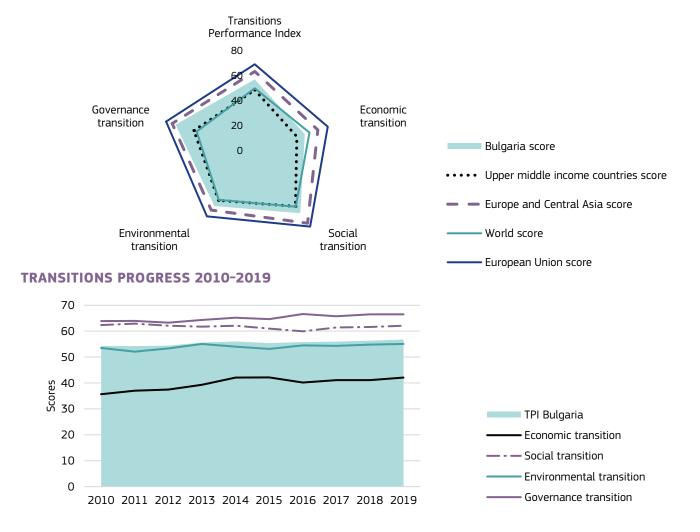
Note: Progress lines use automatic scaling.



BULGARIA			
POPULATION (million inhabitants)	7.0	GDP PER CAPITA (current PPP\$)	24 595.1
GROSS DOMESTIC PRODUCT (GDP) (billion PPP\$)	171.2	TRADE (% of GDP)	123.7
SUMMARY INNOVATION INDEX (0-100)	23.0	DIGITAL ECONOMY AND SOCIETY INDEX (0-100)	36.4

2019	TPI	TRANSITIONS					
2019	IPI	ECONOMIC SOCIAL		ENVIRONMENTAL	GOVERNANCE		
Bulgaria ranks	37	44	43	38	36		
Bulgaria score	56.7	42.1	62.1	55.1	66.5		
World weighted average score	49.7	46.1	55.8	48.9	48.8		
Upper middle income countries score	48.2	35.4	55.4	49.4	51.2		
Europe and Central Asia score	63.1	53.1	72.0	59.1	69.5		
European Union score	68.8	61.4	75.4	65.2	74.5		

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]





BULGARIA		2	2019			2010-2019		
		VALUE	RANK	SCORE	SC	ORE PROGRESS		
TRANS	ITIONS PERFORMANCE INDEX		37	56.7	_			
1.	Economic transition		44	42.1	<b>1</b>			
1.1	EDUCATION: Government expenditure in education per student (% of GDP per capita)	14.8	40	59.3	-	$\sqrt{}$		
1.2	WEALTH: GDP per capita, current dollars (PPP\$)	24 595.1	45	32.8	<b>1</b>			
1.3	LABOUR PRODUCTIVITY & R&D INTENSITY		49	22.4	<b>1</b>			
1.3.1	Output per worker (2011 constant GDP PPP\$)	44 652.2	48	29.8	<b>1</b>			
1.3.2	Gross expenditure on R&D (% of GDP)	0.8	47	15.0	<b>1</b>			
1.4	INDUSTRIAL BASE		41	44.2	<b>1</b>			
1.4.1	Gross value added of manufacturing (% of GDP)	14.2	30	47.3	<b>1</b>	<b>/</b>		
1.4.2	Patent families filed in two offices (per billion PPP\$ GDP)	0.2	44	39.5	7			
2.	Social transition		43	62.1	7	~~		
2.1	HEALTH: Healthy life expectancy at birth (years)	63.5	58	61.8	_			
2.2	WORK AND INCLUSION		38	66.3	7			
2.2.1	Employment rate of the population aged 20-64 (%)	72.4	33	64.8	<b>1</b>			
2.2.2	Employment-to-population ratio gender gap 25+ (%)	12.9	26	81.5	Z			
2.2.3	Early childhood care and education (%)	43.3	59	38.8	7			
2.3	FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)	56.2	25	75.0	7			
2.4	EQUALITY		58	52.6	4	$\sim$		
2.4.1	Gini coefficient disposable income post taxes and transfers (0-100)	40.4	57	54.7	<b>\</b>	~		
2.4.2	Income share held by the poorest quintile (%)	5.7	57	46.3	$\downarrow$	~~		
3.	Environmental transition		38	55.1	_	<b>\</b>		
3.1	EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)	8.8	45	63.3	Ŋ	<b>\</b>		
3.2	BIODIVERSITY		1	97.7	7			
3.2.1	Terrestrial key biodiversity areas (KBAs) protected (%)	98.9	2	98.9	_			
3.2.2	Freshwater key biodiversity areas (KBAs) protected (%)	98.6	3	98.6	_			
3.2.3	Pesticide use per area of cropland (kg/ha)	0.9	15	93.4	7			
3.3	RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)	1.2	62	20.0	<b>1</b>	<b>\</b>		
3.4	ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)	7.9	58	39.3	<b>1</b>	<b></b>		
4.	Governance transition		36	66.5	_	~~~		
4.1	FUNDAMENTAL RIGHTS		45	55.8	7	<b>\</b>		
4.1.1	Voice and accountability index (z-score)	0.3	42	62.7	$\downarrow$	<b>\</b>		
4.1.2	Rule of law index (z-score)	(0.0)	49	48.8	_	<b>~~</b>		
4.2	SECURITY: Homicide rate (per 100,000 inhabitants)	1.3	36	76.9	7	~~~		
4.3	TRANSPARENCY		33	55.7	7			
4.3.1	Corruption perceptions index (0-100)	42.0	48	42.0	_			
4.3.2	Basel anti-money laundering index (0-10)	3.5	5	64.9	7			
4.4	SOUND PUBLIC FINANCES: Government gross debt (% of GDP)	22.3	1	100.0				
Tunnaid	in lands [75 100]	Marianata tuan sitian [4		VV 1. 4 :4:	[0 4			

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

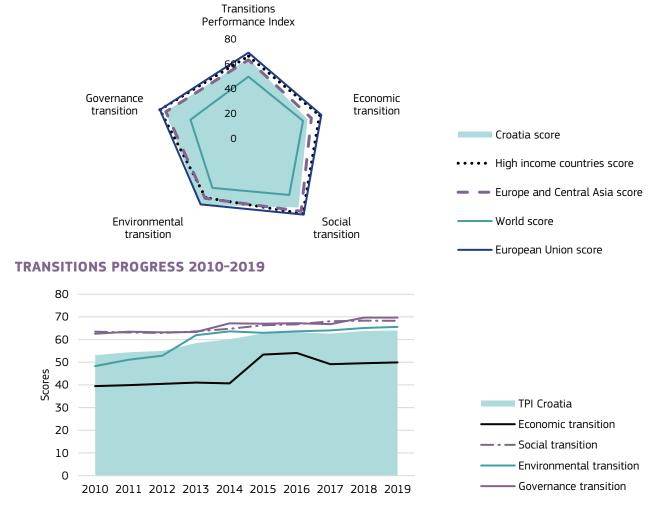
Note: Progress lines use automatic scaling.



CROATIA			
POPULATION (million inhabitants)	4.1	GDP PER CAPITA (current PPP\$)	27 728.7
GROSS DOMESTIC PRODUCT (GDP) (billion PPP\$)	112.6	TRADE (% of GDP)	102.8
SUMMARY INNOVATION INDEX (0-100)	29.8	DIGITAL ECONOMY AND SOCIETY INDEX (0-100)	47.6

2019	TPI	TRANSITIONS					
2019	IPI	ECONOMIC SOCIAL		ENVIRONMENTAL	GOVERNANCE		
Croatia ranks	24	37	33	13	31		
Croatia score	64.0	49.9	68.3	65.6	69.7		
World weighted average score	49.7	46.1	55.8	48.9	48.8		
High income countries score	66.0	60.0	74.4	58.4	74.5		
Europe and Central Asia score	63.1	53.1	72.0	59.1	69.5		
European Union score	68.8	61.4	75.4	65.2	74.5		

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]





CROATIA		2019			2010-2019	
		RANK	SCORE	SCO	RE PROGRESS	
TIONS PERFORMANCE INDEX		24	64.0	<b>1</b>		
Economic transition		37	49.9	1		
EDUCATION: Government expenditure in education per student (% of GDP per capita)	21.0	10	83.8	<b>↑</b>		
WEALTH: GDP per capita, current dollars (PPP\$)	27 728.7	43	37.0	<b>1</b>		
LABOUR PRODUCTIVITY & R&D INTENSITY		42	28.7	<b>1</b>		
Output per worker (2011 constant GDP PPP\$)	60 207.6	40	40.1	<b>1</b>		
Gross expenditure on R&D (% of GDP)	0.9	42	17.3	<b>1</b>	_~	
INDUSTRIAL BASE		52	38.8	<b>↓</b>	~~	
Gross value added of manufacturing (% of GDP)	12.0	40	40.0	7 ,	~	
Patent families filed in two offices (per billion PPP\$ GDP)	0.1	47	36.9	<b>V</b>		
Social transition		33	68.3	7		
HEALTH: Healthy life expectancy at birth (years)	66.4	34	71.2	_		
WORK AND INCLUSION		44	60.3	7		
Employment rate of the population aged 20-64 (%)	65.2	49	50.4	<b>1</b>		
Employment-to-population ratio gender gap 25+ (%)	13.7	27	80.4	- ,		
Early childhood care and education (%)	43.8	56	39.7	<b>1</b>		
FREE OR NON-REMUNERATED TIME:  Free or non-remunerated time (%)	49.0	42	61.8	7	<b>\</b>	
EQUALITY (76)		22	74.5	7		
Gini coefficient disposable income post taxes and transfers (0-100)	30.4	17	76.9	-		
Income share held by the poorest quintile (%)	7.4	31	67.5	7		
Environmental transition		13	65.6	<b>1</b>		
EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)	6.2	24	74.2	-		
BIODIVERSITY		15	81.8	<b>1</b>		
Terrestrial key biodiversity areas (KBAs) protected (%)	74.1	25	74.1	<b>1</b>		
Freshwater key biodiversity areas (KBAs) protected (%)	86.8	15	86.8	<b>1</b>		
Pesticide use per area of cropland (kg/ha)	1.8	28	87.4	<b>V</b>		
RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)	2.6	24	44.1	1	~~~	
ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)	12.5	28	62.3	<b>1</b>		
Governance transition		31	69.7	7		
FUNDAMENTAL RIGHTS		38	66.0	-	~~	
Voice and accountability index (z-score)	0.5	38	69.2	-	<b>/</b>	
Rule of law index (z-score)	0.3	40	62.7	7	~~	
SECURITY: Homicide rate (per 100,000 inhabitants)	0.6	10	87.4	<b>1</b>	~~~	
TRANSPARENCY		31	56.3	<b>1</b>		
Corruption perceptions index (0-100)	48.0	39	48.0	- ]		
Basel anti-money laundering index (0-10)	3.8	10	61.8	<b>1</b>		
SOUND PUBLIC FINANCES: Government gross debt (% of GDP)	74.8	56	67.9	<b>↓</b>		
	Economic transition  EDUCATION: Government expenditure in education per student (% of GDP per capita)  WEALTH: GDP per capita, current dollars (PPP\$)  LABOUR PRODUCTIVITY & R&D INTENSITY  Output per worker (2011 constant GDP PPP\$)  Gross expenditure on R&D (% of GDP)  INDUSTRIAL BASE  Gross value added of manufacturing (% of GDP)  Patent families filed in two offices (per billion PPP\$ GDP)  Social transition  HEALTH: Healthy life expectancy at birth (years)  WORK AND INCLUSION  Employment rate of the population aged 20-64 (%)  Employment-to-population ratio gender gap 25+ (%)  Early childhood care and education (%)  FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  EQUALITY  Gini coefficient disposable income post taxes and transfers (0-100)  Income share held by the poorest quintile (%)  Environmental transition  EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  BIODIVERSITY  Terrestrial key biodiversity areas (KBAs) protected (%)  Freshwater key biodiversity areas (KBAs) protected (%)  Pesticide use per area of cropland (kg/ha)  RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per koe)  Governance transition  FUNDAMENTAL RIGHTS  Voice and accountability index (z-score)  Rule of law index (z-score)  SECURITY: Homicide rate (per 100,000 inhabitants)  TRANSPARENCY  Corruption perceptions index (0-100)	TIONS PERFORMANCE INDEX  Economic transition  EDUCATION: Government expenditure in education per student (% of GDP per capita)  WEALTH: GDP per capita, current dollars (PPPS) 27 728.7  LABOUR PRODUCTIVITY & R&D INTENSITY  Output per worker (2011 constant GDP PPPS) 60 207.6  Gross expenditure on R&D (% of GDP) 0.9  INDUSTRIAL BASE  Gross value added of manufacturing (% of GDP) 12.0  Patent families filed in two offices (per billion PPPS GDP) 0.1  Social transition  HEALTH: Healthy life expectancy at birth (years) 66.4  WORK AND INCLUSION  Employment rate of the population aged 20-64 (%) 65.2  Employment-to-population ratio gender gap 25+ (%) 13.7  Early childhood care and education (%) 43.8  FREE OR NON-REMUNERATED TIME: 49.0  Free or non-remunerated time (%) 29.0  Income share held by the poorest quintile (%) 7.4  Environmental transition  EMISSIONS REDUCTION: Gross greenhouse gas emissions (tones per capita) BIODIVERSITY  Terrestrial key biodiversity areas (KBAs) protected (%) 74.1  Freshwater key Biodiversity areas (KBAs) protected (%) 75.2  ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 12.5  Governance transition  FUNDAMENTAL RIGHTS  Voice and accountability index (z-score) 0.5  Rule of law index (z-score) 0.3  SECURITY: Homicide rate (per 100,000 inhabitants) 0.6  TRANSPARENCY  Corruption perceptions index (0-100) 48.0	TIONS PERFORMANCE INDEX	TIONS PERFORMANCE INDEX	TIONS PERFORMANCE INDEX	

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

Note: Progress lines use automatic scaling.

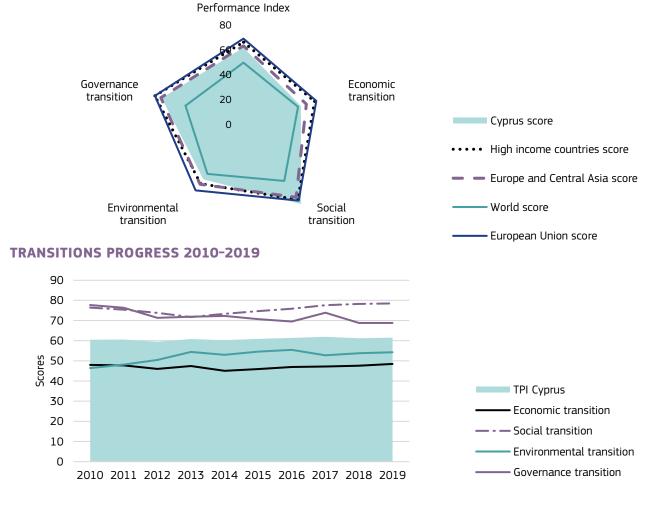


<b>CYPRUS</b>			
POPULATION (million inhabitants)	0.9	GDP PER CAPITA (current PPP\$)	41 406.9
GROSS DOMESTIC PRODUCT (GDP) (billion PPP\$)	36.3	TRADE (% of GDP)	142.6
SUMMARY INNOVATION INDEX (0-100)	45.1	DIGITAL ECONOMY AND SOCIETY INDEX (0-100)	44.0

2019	TPI	TRANSITIONS					
2019	IPI	ECONOMIC SOCIAL		ENVIRONMENTAL	GOVERNANCE		
Cyprus ranks	31	38	17	40	32		
Cyprus score	61.6	48.4	78.5	54.2	68.8		
World weighted average score	49.7	46.1	55.8	48.9	48.8		
High income countries score	66.0	60.0	74.4	58.4	74.5		
Europe and Central Asia score	63.1	53.1	72.0	59.1	69.5		
European Union score	68.8	61.4	75.4	65.2	74.5		

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

Transitions





CYPRUS			2019	2010-2019	
		VALUE	RANK	SCORE	SCORE PROGRESS
TRANS	ITIONS PERFORMANCE INDEX		31	61.6	- ~~~
1.	Economic transition		38	48.4	-
1.1	EDUCATION: Government expenditure in education per student (% of GDP per capita)	16.8	31	67.3	7 \\
1.2	WEALTH: GDP per capita, current dollars (PPP\$)	41 406.9	25	55.2	<b>↑</b>
1.3	LABOUR PRODUCTIVITY & R&D INTENSITY		40	29.4	7
1.3.1	Output per worker (2011 constant GDP PPP\$)	71 563.2	27	47.7	- ~~
1.3.2	Gross expenditure on R&D (% of GDP)	0.6	52	11.1	<b>↑</b>
1.4	INDUSTRIAL BASE		56	37.7	-
1.4.1	Gross value added of manufacturing (% of GDP)	4.9	70	16.3	7
1.4.2	Patent families filed in two offices (per billion PPP\$ GDP)	1.7	21	69.8	7
2.	Social transition		17	78.5	-
2.1	HEALTH: Healthy life expectancy at birth (years)	71.9	8	89.7	-
2.2	WORK AND INCLUSION		28	71.8	-
2.2.1	Employment rate of the population aged 20-64 (%)	73.9	29	67.8	<u>v</u>
2.2.2	Employment-to-population ratio gender gap 25+ (%)	14.5	31	79.3	-
2.2.3	Early childhood care and education (%)	58.9	31	64.8	<b>↑</b>
2.3	FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)	56.5	23	75.5	- //
2.4	EQUALITY		19	76.0	<b>Y V</b>
2.4.1	Gini coefficient disposable income post taxes and transfers (0-100)	31.4	20	74.7	-
2.4.2	Income share held by the poorest quintile (%)	8.4	15	80.0	<b>N</b>
3.	Environmental transition		40	54.2	<b>↑</b>
3.1	EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)	11.6	58	51.7	7
3.2	BIODIVERSITY		34	57.8	- ~
3.2.1	Terrestrial key biodiversity areas (KBAs) protected (%)	66.1	29	66.1	<b>↑</b>
3.2.2	Freshwater key biodiversity areas (KBAs) protected (%)	N/A	N/A	N/A	↑ <del></del>
3.2.3	Pesticide use per area of cropland (kg/ha)	8.2	59	41.4	<b>↓</b>
3.3	RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)	2.3	31	37.9	1
3.4	ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)	13.9	20	69.5	1
4.	Governance transition		32	68.8	<b>V</b>
4.1	FUNDAMENTAL RIGHTS		29	81.2	<u>у</u> к
4.1.1	Voice and accountability index (z-score)	1.0	25	85.0	-
4.1.2	Rule of law index (z-score)	0.8	33	77.4	<b>*</b>
4.2	SECURITY: Homicide rate (per 100,000 inhabitants)	1.3	33	77.4	<u>у</u>
4.3	TRANSPARENCY		39	53.5	<b>V</b>
4.3.1	Corruption perceptions index (0-100)	59.0	28	59.0	<b>V</b>
4.3.2	Basel anti-money laundering index (0-10)	5.0	43	49.9	<b>,</b> — — — — — — — — — — — — — — — — — — —
4.4	SOUND PUBLIC FINANCES: Government gross debt (% of GDP)	100.6	66	51.2	<b>↓</b> \
	tion loader [75, 100] Strong transition [65, 75] Conditransition [65, 65]				ion [0, 45]

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

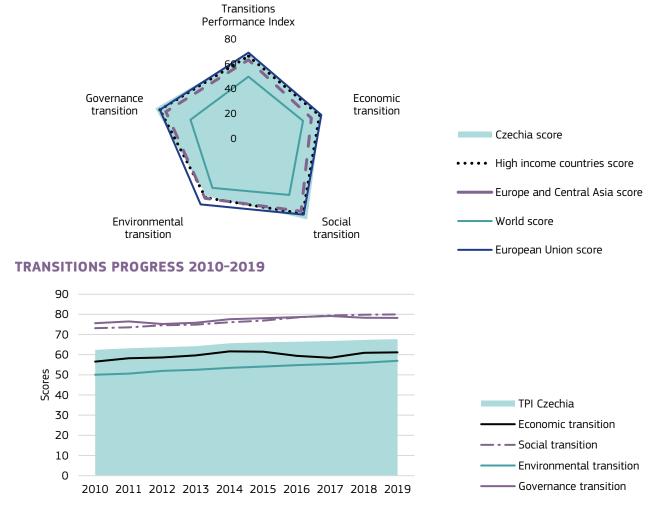
Note: Progress lines use automatic scaling.



CZECHIA			
POPULATION (million inhabitants)	10.6	GDP PER CAPITA (current PPP\$)	38 833.8
GROSS DOMESTIC PRODUCT (GDP) (billion PPP\$)	413.1	TRADE (% of GDP)	144.9
SUMMARY INNOVATION INDEX (0-100)	42.7	DIGITAL ECONOMY AND SOCIETY INDEX (0-100)	50.8

2019	TPI	TRANSITIONS					
2019	IPI	ECONOMIC SOCIAL		ENVIRONMENTAL	GOVERNANCE		
Czechia ranks	17	18	11	34	15		
Czechia score	67.7	61.2	80.0	56.9	78.3		
World weighted average score	49.7	46.1	55.8	48.9	48.8		
High income countries score	66.0	60.0	74.4	58.4	74.5		
Europe and Central Asia score	63.1	53.1	72.0	59.1	69.5		
European Union score	68.8	61.4	75.4	65.2	74.5		

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]





CZECHIA			2019	2010-2019	
	CITIA	VALUE	RANK	SCORE	SCORE PROGRESS
TRANS	ITIONS PERFORMANCE INDEX		17	67.7	7
1.	Economic transition		18	61.2	7
1.1	EDUCATION: Government expenditure in education per student (% of GDP per capita)	18.5	20	74.2	7
1.2	WEALTH: GDP per capita, current dollars (PPP\$)	38 833.8	29	51.8	↑
1.3	LABOUR PRODUCTIVITY & R&D INTENSITY		26	40.7	1
1.3.1	Output per worker (2011 constant GDP PPP\$)	68 249.5	32	45.5	7
1.3.2	Gross expenditure on R&D (% of GDP)	1.8	20	35.8	1
1.4	INDUSTRIAL BASE		8	68.0	-
1.4.1	Gross value added of manufacturing (% of GDP)	22.5	6	75.0	-
1.4.2	Patent families filed in two offices (per billion PPP\$ GDP)	0.7	29	57.6	- /
2.	Social transition		11	80.0	7
2.1	HEALTH: Healthy life expectancy at birth (years)	67.0	31	73.4	7
2.2	WORK AND INCLUSION		29	71.4	<b>↑</b>
2.2.1	Employment rate of the population aged 20-64 (%)	79.9	7	79.8	<b>↑</b>
2.2.2	Employment-to-population ratio gender gap 25+ (%)	17.2	40	75.5	7
2.2.3	Early childhood care and education (%)	48.0	51	46.6	<b>↑</b>
2.3	FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)	56.8	22	76.0	7
2.4	EQUALITY		2	91.8	- ~~
2.4.1	Gini coefficient disposable income post taxes and transfers (0-100)	24.9	2	89.1	- ~/
2.4.2		10.2	1	100.0	7
3.	Environmental transition		34	56.9	<b>↑</b>
3.1	EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)	12.3	60	48.8	7
3.2	BIODIVERSITY		6	91.3	<u>и</u>
3.2.1	Terrestrial key biodiversity areas (KBAs) protected (%)	92.3	5	92.3	-
3.2.2	Freshwater key biodiversity areas (KBAs) protected (%)	92.1	11	92.1	-
3.2.3	Pesticide use per area of cropland (kg/ha)	1.7	26	87.6	<u>у</u>
3.3	RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)	2.4	28	40.6	1
3.4	ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)	9.4	49	47.1	<b>↑</b>
4.	Governance transition		15	78.3	- ^
4.1	FUNDAMENTAL RIGHTS		27	83.8	- ~~~
4.1.1	Voice and accountability index (z-score)	0.9	28	82.4	<u>у</u>
4.1.2	Rule of law index (z-score)	1.0	27	85.3	_
4.2	SECURITY: Homicide rate (per 100,000 inhabitants)	0.6	14	86.6	7
4.3	TRANSPARENCY		26	58.7	
4.3.1	Corruption perceptions index (0-100)	59.0	28	59.0	↑ <b>_</b>
4.3.2	Basel anti-money laundering index (0-10)	4.2	20	58.5	<u>v</u>
4.4	SOUND PUBLIC FINANCES: Government gross debt (% of GDP)	32.6	14	95.1	- \
	ion loader [75, 100] Ctrong transition [65, 75] Conditions [55, 65]				

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

Note: Progress lines use automatic scaling.

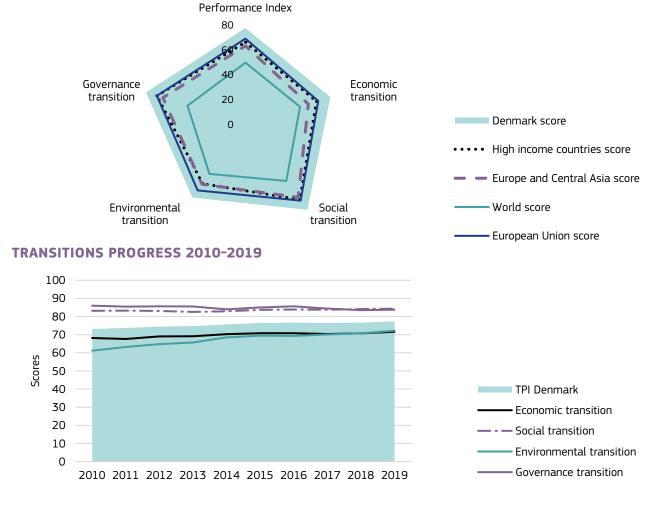


<b>H</b> DENMARK			
POPULATION (million inhabitants)	5.8	GDP PER CAPITA (current PPP\$)	53 881.8
GROSS DOMESTIC PRODUCT (GDP) (billion PPP\$)	312.8	TRADE (% of GDP)	105.0
SUMMARY INNOVATION INDEX (0-100)	68.2	DIGITAL ECONOMY AND SOCIETY INDEX (0-100)	69.1

2019	TPI	TRANSITIONS					
2019	IPI	ECONOMIC SOCIAL		ENVIRONMENTAL	GOVERNANCE		
Denmark ranks	2	4	5	6	4		
Denmark score	77.4	71.6	84.3	72.2	83.8		
World weighted average score	49.7	46.1	55.8	48.9	48.8		
High income countries score	66.0	60.0	74.4	58.4	74.5		
Europe and Central Asia score	63.1	53.1	72.0	59.1	69.5		
European Union score	68.8	61.4	75.4	65.2	74.5		

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

Transitions





DENMARK		2	2019	2010-2019	
		VALUE	RANK	SCORE	SCORE PROGRESS
TRANS	ITIONS PERFORMANCE INDEX		2	77.4	-
1.	Economic transition		4	71.6	
1.1	EDUCATION: Government expenditure in education per student (% of GDP per capita)	22.2	6	88.7	7 //
1.2	WEALTH: GDP per capita, current dollars (PPP\$)	53 881.8	12	71.8	↑
1.3	LABOUR PRODUCTIVITY & R&D INTENSITY		8	63.1	7
1.3.1	Output per worker (2011 constant GDP PPP\$)	97 695.5	9	65.1	7
1.3.2	Gross expenditure on R&D (% of GDP)	3.1	7	61.1	- /
1.4	INDUSTRIAL BASE		15	60.0	-
1.4.1	Gross value added of manufacturing (% of GDP)	13.2	34	44.0	1
1.4.2	Patent families filed in two offices (per billion PPP\$ GDP)	4.9	11	84.0	У К
2.	Social transition		5	84.3	- ~
2.1	HEALTH: Healthy life expectancy at birth (years)	70.7	21	85.8	7
2.2	WORK AND INCLUSION		6	83.2	-
2.2.1	Employment rate of the population aged 20-64 (%)	77.5	19	75.0	7
2.2.2	Employment-to-population ratio gender gap 25+ (%)	9.8	8	86.0	У <b>У</b>
2.2.3	Early childhood care and education (%)	76.5	7	94.1	- /
2.3	FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)	62.6	5	86.5	-
2.4	EQUALITY		11	82.7	٧ 🗸
2.4.1	Gini coefficient disposable income post taxes and transfers (0-100)	28.7	12	80.7	Z Z
2.4.2	Income share held by the poorest quintile (%)	9.1	8	88.8	<u>и</u> и
3.	Environmental transition		6	72.2	1
3.1	EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)	8.8	45	63.3	1
3.2	BIODIVERSITY		3	94.3	- ~
3.2.1	Terrestrial key biodiversity areas (KBAs) protected (%)	89.7	8	89.7	-
3.2.2	Freshwater key biodiversity areas (KBAs) protected (%)	100.0	1	100.0	-
3.2.3	Pesticide use per area of cropland (kg/ha)	1.1	18	92.1	- ~
3.3	RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)	2.3	30	38.2	1
3.4	ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)	18.6	4	93.1	1
4.	Governance transition		4	83.8	<u>и</u> и
4.1	FUNDAMENTAL RIGHTS		6	95.7	- /~~
4.1.1	Voice and accountability index (z-score)	1.6	5	94.6	- ///
4.1.2	Rule of law index (z-score)	1.8	8	96.7	<u>и</u> ~и
4.2	SECURITY: Homicide rate (per 100,000 inhabitants)	1.0	25	80.7	<u>и</u>
4.3	TRANSPARENCY		5	71.5	7
4.3.1	Corruption perceptions index (0-100)	88.0	1	88.0	<u>v</u>
4.3.2	Basel anti-money laundering index (0-10)	4.0	14	60.5	<b>↓</b>
4.4	SOUND PUBLIC FINANCES: Government gross debt (% of GDP)	34.2	18	94.1	-

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

Note: Progress lines use automatic scaling.

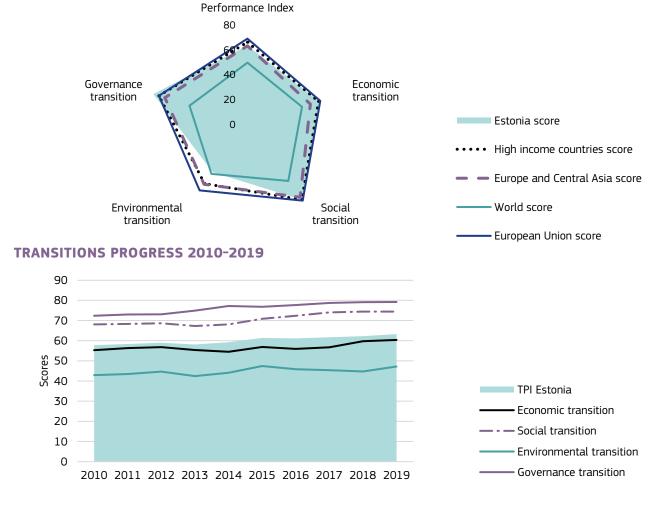


<b>ESTONIA</b>			
POPULATION (million inhabitants)	1.3	GDP PER CAPITA (current PPP\$)	35 852.9
GROSS DOMESTIC PRODUCT (GDP) (billion PPP\$)	47.3	TRADE (% of GDP)	141.2
SUMMARY INNOVATION INDEX (0-100)	50.2	DIGITAL ECONOMY AND SOCIETY INDEX (0-100)	61.1

3010	TPI	TRANSITIONS					
2019	IPI	ECONOMIC SOCIAL		ENVIRONMENTAL	GOVERNANCE		
Estonia ranks	27	19	25	53	12		
Estonia score	63.3	60.4	74.4	47.2	79.2		
World weighted average score	49.7	46.1	55.8	48.9	48.8		
High income countries score	66.0	60.0	74.4	58.4	74.5		
Europe and Central Asia score	63.1	53.1	72.0	59.1	69.5		
European Union score	68.8	61.4	75.4	65.2	74.5		

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

Transitions





ESTONIA		2	2019			2010-2019	
		VALUE	RANK	SCORE	SCORE PE	ROGRESS	
TRANS	ITIONS PERFORMANCE INDEX		27	63.3	7 _	/	
1.	Economic transition		19	60.4	7	<b>~</b>	
1.1	EDUCATION: Government expenditure in education per student (% of GDP per capita)	24.1	2	96.5	- 🜭	<b>~</b>	
1.2	WEALTH: GDP per capita, current dollars (PPP\$)	35 852.9	33	47.8	1		
1.3	LABOUR PRODUCTIVITY & R&D INTENSITY		32	34.0	- /		
1.3.1	Output per worker (2011 constant GDP PPP\$)	63 355.1	37	42.2	1		
1.3.2	Gross expenditure on R&D (% of GDP)	1.3	28	25.8	<b>↓</b> /		
1.4	INDUSTRIAL BASE		28	50.2	7 /		
1.4.1	Gross value added of manufacturing (% of GDP)	12.9	35	43.0	7	<b></b>	
1.4.2	Patent families filed in two offices (per billion PPP\$ GDP)	0.9	28	60.9	- ^	<u></u>	
2.	Social transition		25	74.4	7 _		
2.1	HEALTH: Healthy life expectancy at birth (years)	64.6	50	65.4	7 /		
2.2	WORK AND INCLUSION		17	76.5	7		
2.2.1	Employment rate of the population aged 20-64 (%)	79.5	9	79.0	1		
2.2.2	Employment-to-population ratio gender gap 25+ (%)	14.8	33	78.9	у <u></u>		
2.2.3	Early childhood care and education (%)	60.1	29	66.8	7		
2.3	FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)	58.7	15	79.5	7		
2.4	EQUALITY		18	76.7	7		
2.4.1	Gini coefficient disposable income post taxes and transfers (0-100)	30.4	17	76.9	- \		
2.4.2	Income share held by the poorest quintile (%)	8.1	18	76.3	1 —		
3.	Environmental transition		53	47.2	7 ~	/	
3.1	EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)	16.0	65	33.3	- ~		
3.2	BIODIVERSITY		4	93.9	7 V	<b>\</b> _	
3.2.1	Terrestrial key biodiversity areas (KBAs) protected (%)	94.8	4	94.8	- /		
3.2.2	Freshwater key biodiversity areas (KBAs) protected (%)	93.5	8	93.5			
3.2.3	Pesticide use per area of cropland (kg/ha)	1.0	16	93.0	у <u>~</u>	~_	
3.3	RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)	1.0	66	17.4	^ _	/	
3.4	ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)	8.8	54	44.1	1	<i>~~</i> /	
4.	Governance transition		12	79.2	7 _		
4.1	FUNDAMENTAL RIGHTS		19	89.0	- ~	/~~	
4.1.1	Voice and accountability index (z-score)	1.2	17	88.7	- ~		
4.1.2	Rule of law index (z-score)	1.2	21	89.3	- ~	<b>/</b> ~~	
4.2	SECURITY: Homicide rate (per 100,000 inhabitants)	2.1	46	68.5	<b>↑</b>	~	
4.3	TRANSPARENCY		3	73.1	/	1	
4.3.1	Corruption perceptions index (0-100)	73.0	17	73.0	<b>↑</b>		
4.3.2	Basel anti-money laundering index (0-10)	2.7	1	73.2	7		
4.4	SOUND PUBLIC FINANCES: Government gross debt (% of GDP)	8.4	1	100.0			
Trancit	tion leader [75-100] Strong transition [65-75] Good transition [55-65]	Moderate transition [/	IE EEL	Wool transit	ion [O 4E]		

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

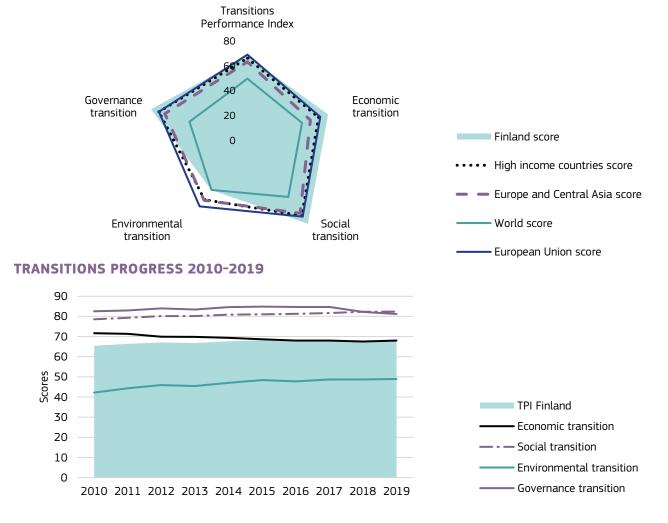
Note: Progress lines use automatic scaling.



FINLAND			
POPULATION (million inhabitants)	5.5	GDP PER CAPITA (current PPP\$)	47 974.7
GROSS DOMESTIC PRODUCT (GDP) (billion PPP\$)	264.7	TRADE (% of GDP)	79.5
SUMMARY INNOVATION INDEX (0-100)	70.9	DIGITAL ECONOMY AND SOCIETY INDEX (0-100)	72.3

2019	TPI	TRANSITIONS					
2019	IPI	ECONOMIC	SOCIAL	ENVIRONMENTAL	GOVERNANCE		
Finland ranks	19	10	7	48	9		
Finland score	67.5	68.0	82.4	49.0	81.2		
World weighted average score	49.7	46.1	55.8	48.9	48.8		
High income countries score	66.0	60.0	74.4	58.4	74.5		
Europe and Central Asia score	63.1	53.1	72.0	59.1	69.5		
European Union score	68.8	61.4	75.4	65.2	74.5		

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]





FINLAND			2019	2010-2019	
FIN	LAND	VALUE	RANK	SCORE	SCORE PROGRESS
TRANS	ITIONS PERFORMANCE INDEX		19	67.5	- /-/
1.	Economic transition		10	68.0	Z Z
1.1	EDUCATION: Government expenditure in education per student (% of GDP per capita)	20.3	13	81.1	•
1.2	WEALTH: GDP per capita, current dollars (PPP\$)	47 974.7	18	64.0	1
1.3	LABOUR PRODUCTIVITY & R&D INTENSITY		14	58.0	<b>V</b>
1.3.1	Output per worker (2011 constant GDP PPP\$)	91 371.6	16	60.9	- ~
1.3.2	Gross expenditure on R&D (% of GDP)	2.8	10	55.1	<b>↓</b>
1.4	INDUSTRIAL BASE		11	64.2	У К
1.4.1	Gross value added of manufacturing (% of GDP)	14.4	28	48.0	<b>↓</b> \
1.4.2	Patent families filed in two offices (per billion PPP\$ GDP)	6.8	6	88.5	7
2.	Social transition		7	82.4	-
2.1	HEALTH: Healthy life expectancy at birth (years)	69.8	27	82.6	7
2.2	WORK AND INCLUSION		20	76.1	- ~
2.2.1	Employment rate of the population aged 20-64 (%)	76.3	21	72.6	7
2.2.2	Employment-to-population ratio gender gap 25+ (%)	8.3	5	88.2	7 ~~~ K
2.2.3	Early childhood care and education (%)	55.4	34	58.9	<b>↑</b>
2.3	FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)	60.3	12	82.4	7
2.4	EQUALITY		7	85.8	- /
2.4.1	Gini coefficient disposable income post taxes and transfers (0-100)	27.4	8	83.6	- /
2.4.2	Income share held by the poorest quintile (%)	9.4	6	92.5	- /
3.	Environmental transition		48	49.0	1
3.1	EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)	10.4	54	56.7	1
3.2	BIODIVERSITY		17	78.7	- /
3.2.1	Terrestrial key biodiversity areas (KBAs) protected (%)	74.8	24	74.8	-
3.2.2	Freshwater key biodiversity areas (KBAs) protected (%)	74.0	23	74.0	-
3.2.3	Pesticide use per area of cropland (kg/ha)	0.6	10	95.8	- /
3.3	RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)	1.4	56	23.1	^
3.4	ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)	7.5	62	37.4	1
4.	Governance transition		9	81.2	7
4.1	FUNDAMENTAL RIGHTS		2	96.3	- /~~
4.1.1	Voice and accountability index (z-score)	1.6	4	94.7	- /
4.1.2	Rule of law index (z-score)	2.0	1	98.0	
4.2	SECURITY: Homicide rate (per 100,000 inhabitants)	1.6	42	73.2	7
4.3	TRANSPARENCY		2	75.0	<b>V</b>
4.3.1	Corruption perceptions index (0-100)	85.0	3	85.0	٧ لا
4.3.2	Basel anti-money laundering index (0-10)	3.2	2	68.3	<b>\</b>
4.4	SOUND PUBLIC FINANCES: Government gross debt (% of GDP)	59.0	43	78.1	У К
<b>-</b> -	tion loader [75, 100] Strong transition [65, 75] Condition [55, 65]			\\\- =  . +====:+:	

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

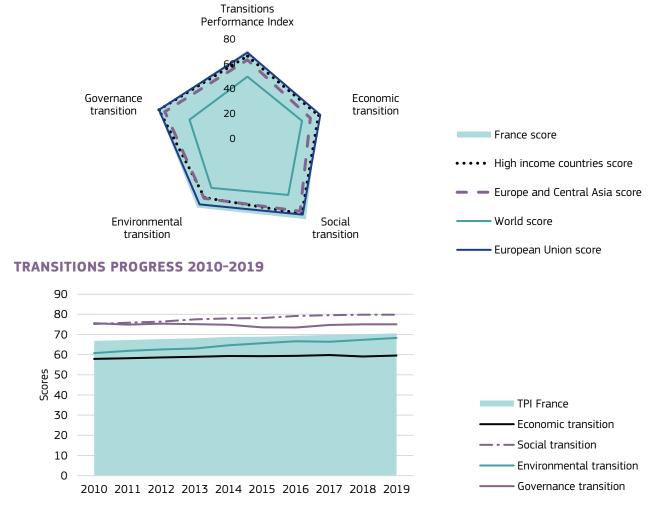
Note: Progress lines use automatic scaling.



FRANCE			
POPULATION (million inhabitants)	64.8	GDP PER CAPITA (current PPP\$)	47 222.6
GROSS DOMESTIC PRODUCT (GDP) (billion PPP\$)	3 061.1	TRADE (% of GDP)	64.5
SUMMARY INNOVATION INDEX (0-100)	53.0	DIGITAL ECONOMY AND SOCIETY INDEX (0-100)	52.2

2019	TPI	TRANSITIONS					
2019	IFI	ECONOMIC SOCIAL		ENVIRONMENTAL	GOVERNANCE		
France ranks	12	21	12	10	19		
France score	70.6	59.6	79.8	68.3	75.1		
World weighted average score	49.7	46.1	55.8	48.9	48.8		
High income countries score	66.0	60.0	74.4	58.4	74.5		
Europe and Central Asia score	63.1	53.1	72.0	59.1	69.5		
European Union score	68.8	61.4	75.4	65.2	74.5		

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]





TRANSITIONS PERFORMANCE INDEX   12   70.6	FRANCE		2	2019		2010-2019	
ECONOMIC transition			VALUE	RANK	SCORE	SCORE PROGRESS	
EDUCATION: Government expenditure in education per student	TRANS	ITIONS PERFORMANCE INDEX		12	70.6	-	
11 (% of GDP per capita)  12 WEALTH: GDP per capita, current dollars (PPPS)  13 LABOUR PRODUCTIVITY & R&D INTENSITY  13.1 Output per worker (2011 constant GDP PPPS)  13.2 Gross expenditure on R&D (% of GDP)  13.3 Output per worker (2011 constant GDP PPPS)  13.4 NDUSTRIAL BASE  14.1 MOUSTRIAL BASE  14.2 Patent families filed in two offices (per billion PPPS GDP)  14.2 Patent families filed in two offices (per billion PPPS GDP)  15.2 Social transition  12 79.8 -  2. Social transition  11 79.1 -  2. WORK AND INCLUSION  11 1 79.1 -  2.2 WORK AND INCLUSION  11 1 79.1 -  2.2 Employment rate of the population aged 20-64 (%)  2.2 Employment rate of the population aged 29-54 (%)  2.2 Employment-to-population ratio gender gap 25+ (%)  3. FREE OR NON-RENUMERATED TIME:  Free or non-renunerated time (%)  Free or non-renunerated time (%)  Free or non-renunerated time (%)  57.7 19 77.6 -  6 Gini coefficient disposable income post taxes and transfers  (of-100)  2.4 EQUALTY  2.4 If Gini coefficient disposable income post taxes and transfers  (of-100)  3. Environmental transition  10 68.3 7  3. Environmental transition  10 68.3 7  3. Environmental transition  11 Free or non-renunerated time (%)  3. Environmental transition  3. Environmental transition  3. Environmental transition  3. Environmental transition  3. Environmental key biodiversity areas (KBAs) protected (%)  3. BioDIVERSITY  3. Pesticide use per area of cropland (kg/ha)  3. Environmental transition  3. Environmental transition  3. Environmental key biodiversity areas (KBAs) protected (%)  3. Environmental transition  3. Environmental transition  4. Governance transition  4. Governance transition  4. Governance transition  4. Governance transition  4. ENRGY PRODUCTIVITY: Energy productivity (PPPS per koe)  4. ENRGY PRODUCTIVITY: Energy productivity (PPPS per koe)  4. Governance transition	1.	Economic transition		21	59.6	-	
1.3. LABOUR PRODUCTIVITY & R&D INTENSITY 1.3.1. Output per worker (2011 constant GDP PPPS) 96 445.6 12 64.3 7. 1.3.2 Gross expenditure on R&D (% of GDP) 2.2 12 43.7 - 1.4 INDUSTRIAL BASE 1.4 INDUSTRIAL BASE 1.4 INDUSTRIAL BASE 1.5 patch is a second of manufacturing (% of GDP) 1.6 patch is a second of manufacturing (% of GDP) 1.7 patch is a second of manufacturing (% of GDP) 1.8 patch is a second of manufacturing (% of GDP) 1.9 patch is a second of manufacturing (% of GDP) 1.4 patch is a second of manufacturing (% of GDP) 1.4 patch is a second of manufacturing (% of GDP) 1.5 patch is a second of GDP) 1.6 patch is a second of GDP 1.7 patch is a second of GDP 1.8 patch is a sec	1.1		17.3	27	69.3	7 /	
1.3.1 Output per worker (2011 constant GDP PPPS) 96 445.6 12 64.3 7 13.2 Gross expenditure on R&D (% of GDP) 2.2 12 43.7 -	1.2	WEALTH: GDP per capita, current dollars (PPP\$)	47 222.6	20	63.0	<b>↑</b>	
1.3.2 Gross expenditure on R&O (% of GDP)  1.4 INDUSTRIAL BASE  1.4.1 Gross value added of manufacturing (% of GDP)  1.4.2 Patent families filed in two offices (per billion PPPS GDP)  2.5 Social transition  2.1 HEALTH: Healthy life expectancy at birth (years)  2.1 HEALTH: Healthy life expectancy at birth (years)  2.2 WORK AND INCLUSION  2.2.1 Employment rate of the population aged 20-64 (%)  2.2.2 Employment rate of the population aged 29-64 (%)  2.2.3 Early childhood care and education (%)  2.2.6 Equity childhood care and education (%)  2.7 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  3.6 ENVIRON (0-100)  3.7 ENVIRON (0-100)  3.8 Environmental transition  3.1 Environmental transition  3.2 EMISSIONS REDUCTION: Gross greenhouse gas emissions (0-100)  3.2 BIODIVERSITY  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.2 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per koe)  4.1 FUNDAMENTAL RIGHTS  4.1 FUNDAMENTAL RIGHTS  4.1 FUNDAMENTAL RIGHTS  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3 Corruption perceptions index (0-100)  4.2 Basel anti-money laundering index (0-100)  4.3 Basel anti-money laundering index (0-100)  4.1 17 59.1	1.3	LABOUR PRODUCTIVITY & R&D INTENSITY		16	54.0	-	
1.4   INDUSTRIAL BASE   27   51.2   X   1.4.1   Gross value added of manufacturing (% of GDP)   9.7   57   32.3   X   1.4.2   Patent familizes field in two offices (per billion PPPS GDP)   3.5   15   79.5   X   2.5   Social transition   12   79.8   -	1.3.1	Output per worker (2011 constant GDP PPP\$)	96 445.6	12	64.3	7	
1.4.1 Gross value added of manufacturing (% of GDP) 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 2. Social transition 2.1 HEALTH: Healthy life expectancy at birth (years) 2.2 WORK AND INCLUSION 2.2.1 Employment rate of the population aged 20-64 (%) 2.2.2 Employment rate of the population aged 20-64 (%) 2.2.2 Employment-to-population ratio gender gap 25+ (%) 2.2.3 Early childhood care and education (%) 2.3 FREE OR NON-REMUNERATED TIME: 3.6 FREE OR NON-REMUNERATED TIME: 3.7 Free or non-remunerated time (%) 3.1 Gini coefficient disposable income post taxes and transfers 3.2 (income share held by the poorest quintile (%) 3.3 Environmental transition 3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions 3.2 (tonones per capita) 3.2 BIODIVERSITY 3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.3 RESOURCE PRODUCTIVITY: Energy productivity 3.4 ENERGY PRODUCTIVITY: Energy productivity 3.5 Environmental transition 4.1 FUNDAMENTAL RIGHTS 4.1 Voice and accountability index (z-score) 4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 4.3 ENVIRON PRODUCTIVITY: Energy productivity 4.3 TRANSPARENCY 4.3 Basel anti-money laundering index (0-100)	1.3.2	Gross expenditure on R&D (% of GDP)	2.2	12	43.7	-	
1.4.2 Patent families filed in two offices (per billion PPP\$ GDP) 2. Social transition 2.1 HEALTH: Healthy life expectancy at birth (years) 2.2 WORK AND INCLUSION 2.2.1 Employment rate of the population aged 20-64 (%) 2.2.2 Employment-to-population ratio gender gap 25+ (%) 2.2.2 Employment-to-population ratio gender gap 25+ (%) 2.2.3 Early childhood care and education (%) 2.3 FREE OR NON-REMUNERATED TIME: 3.6 Free or non-remunerated time (%) 3.6 Equal to the population aged 20-64 (%) 3.7 FREE OR NON-REMUNERATED TIME: 3.8 FREE OR NON-REMUNERATED TIME: 3.9 FREE OR NON-REMUNERATED TIME: 3.1 Gini coefficient disposable income post taxes and transfers (0-100) 3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (10-100) 3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (10-100) 3.2 BIODIVERSITY 3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.3 Pesticide use per area of cropland (kg/ha) 3.4 ENERGY PRODUCTIVITY: Resource productivity (PPPS per kg) 3.5 Pesticide use per area of cropland (kg/ha) 3.6 FRESOURCE PRODUCTIVITY: Resource productivity (PPPS per koe) 4.1 Governance transition 4.1 FUNDAMENTAL RIGHTS 4.1 Voice and accountability index (z-score) 4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 4.2 Page 25 A SECURITY: Homicide rate (per 100,000 inhabitants) 4.3 TRANSPARENCY 4.3 TRANSPARENCY 4.3 Basel anti-money laundering index (0-100)	1.4	INDUSTRIAL BASE		27	51.2	7	
2. Social transition  2.1 HEALTH: Healthy life expectancy at birth (years)  2.2 WORK AND INCLUSION  2.2.1 Employment rate of the population aged 20-64 (%)  2.2.2 Employment rate of the population aged 20-64 (%)  2.2.3 Employment rate of the population aged 25+ (%)  2.3 FREE OR NON-REMUNERATED TIME:  57.7 19 77.6  2.4 EQUALITY  2.4.1 Gini coefficient disposable income post taxes and transfers (0-100)  2.4.2 Income share held by the poorest quintile (%)  8.1 18 763.  3. Environmental transition  10 68.3  3. Emvironmental transition  10 68.3  3. Elemicoefficient disposable income gas emissions (tonnes per capita)  3. Elemicoefficient disposable income post taxes and transfers (tonnes per capita)  3. Emvironmental transition  10 68.3  3. Environmental transition  2. BIODIVERSITY  2. 30 70.0  3. BIODIVERSITY  3. BIODIVERSITY  4. BERSOURSE PRODUCTION: Gross greenhouse gas emissions (tonnes per capita)  3. Pesticide use per area of cropland (kg/ha)  3. Pesticide use per area of cropland (kg/ha)  3. RESOURCE PRODUCTIVITY: Resource productivity (PPPS per koe)  3. ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  4. Governance transition  4.1 FUNDAMENTAL RIGHTS  4.1 Voice and accountability index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3 TRANSPARENCY  4.3 TRANSPARENCY  4.4 To Septimental submicide rate (per 100,000 inhabitants)  4.5 Corruption perceptions index (0-100)  72.0 20 72.0  74.7 A  75.1 A  76.6 A  77.7 A  77.7 A  77.7 A  77.7 A  77.7 A  78.6 A  77.7 A  78.6 A  77.7 A  78.6 A  77.7 A  78.7 A  79.8 A  70.0 -  70.0	1.4.1	Gross value added of manufacturing (% of GDP)	9.7	57	32.3	7	
2.1 HEALTH: Healthy life expectancy at birth (years)  2.2 WORK AND INCLUSION  2.2.1 Employment rate of the population aged 20-64 (%)  2.2.2 Employment rate of the population aged 20-64 (%)  2.2.2 Employment-to-population ratio gender gap 25+ (%)  2.2.3 Early childhood care and education (%)  78.2 2 96.9  78.2 2 96.9  78.2 2 96.9  78.2 2 96.9  78.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  2.4 EQUALITY  2.1 (Gini coefficient disposable income post taxes and transfers (0-100)  2.4.2 Income share held by the poorest quintile (%)  8.1 18 76.3 7  3. Environmental transition  10 68.3 7  3.1 (tonnes per capita)  3.2 BIODIVERSITY  19 78.4  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.2.3 Pesticide use per area of cropland (kg/ha)  3.3 (RESCOURCE PRODUCTIVITY: Resource productivity (PPPS per ko)  3.4 ENERGY PRODUCTIVITY: Resource productivity (PPPS per koe)  4.1 FUNDAMENTAL RIGHTS  4.1 FUNDAMENTAL RIGHTS  4.1 FUNDAMENTAL RIGHTS  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3 TRANSPARENCY  4.1 17 59.1   7.1 30 70.0  71.3 37 62.6  7.7 86.6  7.7 78.6  7.7 78.7  7.8 7.7  7.9 7.7 7.7  7.7 7.7  7.7 7.7  7.7 7.7  7.7 7.7	1.4.2	Patent families filed in two offices (per billion PPP\$ GDP)	3.5	15	79.5	У К	
2.2 WORK AND INCLUSION  2.2.1 Employment rate of the population aged 20-64 (%)  2.2.2 Employment-to-population ratio gender gap 25+ (%)  2.2.3 Early childhood care and education (%)  2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  2.4 EQUALITY  2.1 74.7 7  2.4.1 (Gini coefficient disposable income post taxes and transfers (0-100)  2.4.2 Income share held by the poorest quintile (%)  3.1 Environmental transition  3.1 (Lonnes per capita)  3.2 BIODIVERSITY  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.3.3 Pesticide use per area of cropland (kg/ha)  3.4 ENERGY PRODUCTIVITY: Resource productivity (PPPS per kg)  3.5 ENVIRONMENTAL RIGHTS  3.6 ENERGY PRODUCTIVITY: Energy productivity (PPPS per kg)  3.7 ENERGY PRODUCTIVITY: Energy productivity (PPPS per kg)  3.8 ENERGY PRODUCTIVITY: Energy productivity (PPPS per kg)  3.9 To 64.8 ↑  4.1 FUNDAMENTAL RIGHTS  4.1 Voice and accountability index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3 TRANSPARENCY  4.3 TRANSPARENCY  4.4 1 T 59.1 -	2.	Social transition		12	79.8	-	
2.2.1 Employment rate of the population aged 20-64 (%) 2.2.2 Employment-to-population ratio gender gap 25+ (%) 2.2.3 Early childhood care and education (%) 2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%) 2.4 EQUALITY 2.4 Gini coefficient disposable income post taxes and transfers (0-100) 2.4.2 Income share held by the poorest quintile (%) 2.4.3 Income share held by the poorest quintile (%) 3. Environmental transition 3. Environmental transition 3. Elissions REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3. BIODIVERSITY 3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.2.3 Pesticide use per area of cropland (kg/ha) 3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per kg) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 4. Governance transition 4.1 FUNDAMENTAL RIGHTS 4.1 Voice and accountability index (z-score) 4.1 RUNDAMENTAL RIGHTS 4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 4.3 TRANSPARENCY 4.3 TRANSPARENCY 5.1 TAX	2.1	HEALTH: Healthy life expectancy at birth (years)	71.8	9	89.4	7	
2.2.2 Employment-to-population ratio gender gap 25+ (%) 2.2.3 Early childhood care and education (%) 78.2 2 96.9 7  2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%) 2.4 EQUALITY 2.4.1 Gini coefficient disposable income post taxes and transfers (0-100) 2.4.2 Income share held by the poorest quintile (%) 3. Environmental transition 3. Emironmental transition 3. EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3. BIODIVERSITY 3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.2.3 Pesticide use per area of cropland (kg/ha) 3.6 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per kg) 3.7 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 4. Governance transition 4.1 FUNDAMENTAL RIGHTS 4.1.1 Voice and accountability index (z-score) 4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 4.3 TRANSPARENCY 4.3 TRANSPARENCY 4.3 TRANSPARENCY 4.3 Basel anti-money laundering index (0-100) 4.1 17 59.1 -	2.2	WORK AND INCLUSION		11	79.1	-	
2.2.3 Early childhood care and education (%) 78.2 2 96.9 77  2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%) 77.6 - 77.0 -	2.2.1	Employment rate of the population aged 20-64 (%)	71.3	37	62.6	7	
2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  2.4 EQUALITY  2.5 EQUALITY  2.5 EQUALITY  2.6 Free or non-remunerated time (%)  2.7 Free or non-remunerated time (%)  2.8 EQUALITY  2.9 TA, 7  2.1 TA, 7  2.1 TA, 7  2.1 Gini coefficient disposable income post taxes and transfers (0-100)  2.4.2 Income share held by the poorest quintile (%)  3.1 Emissions REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3.2 BIODIVERSITY  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.2.3 Pesticide use per area of cropland (kg/ha)  3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per kg)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  4. Governance transition  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3 TRANSPARENCY  4.3 TRANSPARENCY  4.4 17 59.1 -	2.2.2	Employment-to-population ratio gender gap 25+ (%)	9.4	7	86.6	-	
2.4 EQUALITY 2.4.1 Gini coefficient disposable income post taxes and transfers (0-100) 2.4.2 Income share held by the poorest quintile (%) 3. Environmental transition 3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3.2 BIODIVERSITY 3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.2.3 Pesticide use per area of cropland (kg/ha) 3.2.4 ENERGY PRODUCTIVITY: Resource productivity (PPPS per kg) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 4. Governance transition 4.1 FUNDAMENTAL RIGHTS 4.1.1 Voice and accountability index (z-score) 4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 4.3 TRANSPARENCY 4.3 TRANSPARENCY 4.3 TRANSPARENCY 4.3 Basel anti-money laundering index (0-100) 4.1 17 59.1	2.2.3	Early childhood care and education (%)	78.2	2	96.9	7	
2.4 EQUALITY 2.4.1 Gini coefficient disposable income post taxes and transfers (0-100) 2.4.2 Income share held by the poorest quintile (%) 3.1.6 Environmental transition 3. Environmental transition 3. EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3.2 BIODIVERSITY 3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.2.3 Pesticide use per area of cropland (kg/ha) 3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per kg) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per kg) 3.5 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 4. Governance transition 4.1 FUNDAMENTAL RIGHTS 4.1.1 Voice and accountability index (z-score) 4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 4.3 TRANSPARENCY 4.3 TRANSPARENCY 5.1 TRANSPARENCY 5.2 TRANSPARENCY 5.3 TRANSPARENCY 5.4 TRANSPARENCY 5.5 TRANSPARENCY 7.6 TRANSPARENCY 7.7 TRANSPARENCY 7.8 TRANSPARENCY 7.9 TRANSPARENCY 7.0 TRANSPARENCY 7.0 TRANSPARENCY 7.1 TRANSPARENCY 7.2 TRANSPARENCY 7.3 TRANSPARENCY 7.4 TRANSPARENCY 7.5 TRANSPARENCY 7.6 TRANSPARENCY 7.7 TRANSPARENCY 7.7 TRANSPARENCY 7.8 TRANSPARENCY 7.9 TRANSPARENCY 7.0 TRANSPA	2.3		57.7	19	77.6	-	
2.4.1 (0-100) 2.4.2 Income share held by the poorest quintile (%) 3.1 Environmental transition 3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3.2 BIODIVERSITY 3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.2.3 Pesticide use per area of cropland (kg/ha) 3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per kg) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 4. Governance transition 4.1 FUNDAMENTAL RIGHTS 4.1 Voice and accountability index (z-score) 4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 4.3 TRANSPARENCY 4.3 TRANSPARENCY 4.3 TRANSPARENCY 4.1 Ty 59.1 Ty 59.1 4.1 Ty 59.1 Ty 59.1	2.4			21	74.7	7	
2.4.2 Income share held by the poorest quintile (%)       8.1       18       76.3       ₹         3. Environmental transition       10       68.3       ₹         3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)       7.2       30       70.0       -         3.2 BIODIVERSITY       19       78.4       -         3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)       80.9       18       80.9       -         3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)       78.0       21       78.0       -         3.2.3 Pesticide use per area of cropland (kg/ha)       3.6       44       74.1       ¥         3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per koe)       12.0       31       60.2       ↑         4. ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)       12.0       31       60.2       ↑         4. Governance transition       19       75.1       ¥         4.1 FUNDAMENTAL RIGHTS       17       90.3       ¥         4.1.1 Voice and accountability index (z-score)       1.2       19       88.1       ¥         4.1.2 Rule of law index (z-score)       1.4       19       92.5       ¥         4.3 TRANSPARENCY       11       64.3       - <td>2.4.1</td> <td>Gini coefficient disposable income post taxes and transfers (0-100)</td> <td>31.6</td> <td>22</td> <td>74.2</td> <td>7</td>	2.4.1	Gini coefficient disposable income post taxes and transfers (0-100)	31.6	22	74.2	7	
3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3.2 BIODIVERSITY  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.2.3 Pesticide use per area of cropland (kg/ha)  3.4 RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)  4. Governance transition  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  4.1 17 59.1	2.4.2		8.1	18	76.3	7	
1.1	3.	Environmental transition		10	68.3	7	
3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.2.3 Pesticide use per area of cropland (kg/ha) 3.6 44 3.74.1	3.1		7.2	30	70.0	-	
3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.2.3 Pesticide use per area of cropland (kg/ha) 3.6 44 74.1   3.7 RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg) 3.9 10 64.8 ↑  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe) 4.1 FUNDAMENTAL RIGHTS 4.1.1 Voice and accountability index (z-score) 4.1.2 Rule of law index (z-score) 4.1.3 Rule of law index (z-score) 4.1 SECURITY: Homicide rate (per 100,000 inhabitants) 4.1 TRANSPARENCY 4.3 TRANSPARENCY 4.3.1 Corruption perceptions index (0-100) 4.5 Basel anti-money laundering index (0-10) 4.1 T7 59.1 −	3.2	BIODIVERSITY		19	78.4	- ~~~	
3.2.3 Pesticide use per area of cropland (kg/ha) 3.6 44 74.1 3.7 RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg) 3.9 10 64.8 ↑  4. ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe) 4.1 FUNDAMENTAL RIGHTS 4.1.1 Voice and accountability index (z-score) 4.1.2 Rule of law index (z-score) 4.1.2 Rule of law index (z-score) 4.1 SECURITY: Homicide rate (per 100,000 inhabitants) 4.1 SECURITY: Homicide rate (per 100,000 inhabitants) 4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 4.3 TRANSPARENCY 4.3 Corruption perceptions index (0-100) 4.3 Basel anti-money laundering index (0-10) 4.1 17 59.1	3.2.1	Terrestrial key biodiversity areas (KBAs) protected (%)	80.9	18	80.9	-	
3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)  4. Governance transition  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  4.5.2 Basel anti-money laundering index (0-10)  3.9  10  64.8  ↑  64.8  ↑  7  8.9  12.0  31  60.2  ↑  4.1  17  90.3  18  17  90.3  17  90.3  18  19  48.1  4.1  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  1.2 29  78.2  4.3 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  72.0 20  72.0  4.1  75.1  75.1	3.2.2	Freshwater key biodiversity areas (KBAs) protected (%)	78.0	21	78.0		
3.5 (PPP\$ per kg) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe) 4. Governance transition 4.1 FUNDAMENTAL RIGHTS 4.1.1 Voice and accountability index (z-score) 4.1.2 Rule of law index (z-score) 4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 4.3 TRANSPARENCY 4.3.1 Corruption perceptions index (0-100) 4.3.2 Basel anti-money laundering index (0-10) 4.5 PPP\$ per kg) 5.5	3.2.3	Pesticide use per area of cropland (kg/ha)	3.6	44	74.1	<u>и</u>	
4.       Governance transition       19       75.1         4.1       FUNDAMENTAL RIGHTS       17       90.3         4.1.1       Voice and accountability index (z-score)       1.2       19       88.1         4.1.2       Rule of law index (z-score)       1.4       19       92.5       3         4.2       SECURITY: Homicide rate (per 100,000 inhabitants)       1.2       29       78.2       -         4.3       TRANSPARENCY       11       64.3       -         4.3.1       Corruption perceptions index (0-100)       72.0       20       72.0       -         4.3.2       Basel anti-money laundering index (0-10)       4.1       17       59.1       -	3.3		3.9	10	64.8	1	
4.1       FUNDAMENTAL RIGHTS       17       90.3       ¥         4.1.1       Voice and accountability index (z-score)       1.2       19       88.1       ¥         4.1.2       Rule of law index (z-score)       1.4       19       92.5       ¥         4.2       SECURITY: Homicide rate (per 100,000 inhabitants)       1.2       29       78.2       -         4.3       TRANSPARENCY       11       64.3       -         4.3.1       Corruption perceptions index (0-100)       72.0       20       72.0       -         4.3.2       Basel anti-money laundering index (0-10)       4.1       17       59.1       -	3.4	ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)	12.0	31	60.2	<b>↑</b>	
4.1.1 Voice and accountability index (z-score)       1.2       19       88.1       3         4.1.2 Rule of law index (z-score)       1.4       19       92.5       3         4.2 SECURITY: Homicide rate (per 100,000 inhabitants)       1.2       29       78.2       -         4.3 TRANSPARENCY       11       64.3       -         4.3.1 Corruption perceptions index (0-100)       72.0       20       72.0       -         4.3.2 Basel anti-money laundering index (0-10)       4.1       17       59.1       -	4.	Governance transition		19	75.1	7 ~	
4.1.2 Rule of law index (z-score)       1.4       19       92.5       3         4.2 SECURITY: Homicide rate (per 100,000 inhabitants)       1.2       29       78.2       -         4.3 TRANSPARENCY       11       64.3       -         4.3.1 Corruption perceptions index (0-100)       72.0       20       72.0       -         4.3.2 Basel anti-money laundering index (0-10)       4.1       17       59.1       -	4.1	FUNDAMENTAL RIGHTS		17	90.3	у VV	
4.2       SECURITY: Homicide rate (per 100,000 inhabitants)       1.2       29       78.2       -         4.3       TRANSPARENCY       11       64.3       -         4.3.1       Corruption perceptions index (0-100)       72.0       20       72.0       -         4.3.2       Basel anti-money laundering index (0-10)       4.1       17       59.1       -	4.1.1	Voice and accountability index (z-score)	1.2	19	88.1	7 \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	
4.3       TRANSPARENCY       11       64.3       -         4.3.1       Corruption perceptions index (0-100)       72.0       20       72.0       -         4.3.2       Basel anti-money laundering index (0-10)       4.1       17       59.1       -	4.1.2	Rule of law index (z-score)	1.4	19	92.5	У \ К	
4.3.1 Corruption perceptions index (0-100)       72.0       20       72.0       -         4.3.2 Basel anti-money laundering index (0-10)       4.1       17       59.1       -	4.2	SECURITY: Homicide rate (per 100,000 inhabitants)	1.2	29	78.2	-	
4.3.2 Basel anti-money laundering index (0-10) 4.1 17 59.1 -	4.3	TRANSPARENCY		11	64.3		
	4.3.1	Corruption perceptions index (0-100)	72.0	20	72.0		
4.4 SOUND PUBLIC FINANCES: Government gross debt (% of GDP) 98.4 64 52.6	4.3.2	Basel anti-money laundering index (0-10)	4.1	17	59.1	- ~~~	
	4.4	SOUND PUBLIC FINANCES: Government gross debt (% of GDP)	98.4	64	52.6	<b>V</b>	

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

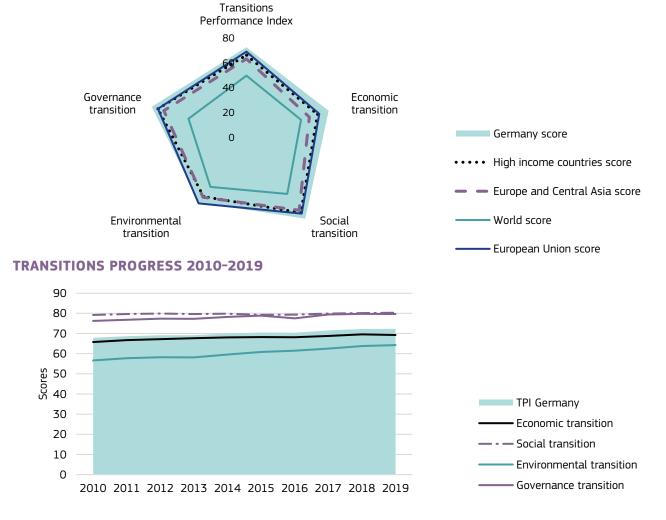
Note: Progress lines use automatic scaling.



<b>GERMANY</b>			
POPULATION (million inhabitants)	83.0	GDP PER CAPITA (current PPP\$)	53 566.9
GROSS DOMESTIC PRODUCT (GDP) (billion PPP\$)	4 444.4	TRADE (% of GDP)	88.1
SUMMARY INNOVATION INDEX (0-100)	60.8	DIGITAL ECONOMY AND SOCIETY INDEX (0-100)	56.1

2019	TPI	TRANSITIONS					
2019	IPI	ECONOMIC	SOCIAL	ENVIRONMENTAL	GOVERNANCE		
Germany ranks	9	8	9	17	11		
Germany score	72.3	69.3	80.3	64.3	79.7		
World weighted average score	49.7	46.1	55.8	48.9	48.8		
High income countries score	66.0	60.0	74.4	58.4	74.5		
Europe and Central Asia score	63.1	53.1	72.0	59.1	69.5		
European Union score	68.8	61.4	75.4	65.2	74.5		

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]





GERMANY			2019	2010-2019	
GEI	RMAN Y	VALUE	RANK	SCORE	SCORE PROGRESS
TRANS	ITIONS PERFORMANCE INDEX		9	72.3	7
1.	Economic transition		8	69.3	-
1.1	EDUCATION: Government expenditure in education per student (% of GDP per capita)	17.4	26	69.5	7 \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
1.2	WEALTH: GDP per capita, current dollars (PPP\$)	53 566.9	13	71.4	1
1.3	LABOUR PRODUCTIVITY & R&D INTENSITY		13	60.4	7
1.3.1	Output per worker (2011 constant GDP PPP\$)	90 491.9	18	60.3	7
1.3.2	Gross expenditure on R&D (% of GDP)	3.0	8	60.4	7
1.4	INDUSTRIAL BASE		6	73.5	Д
1.4.1	Gross value added of manufacturing (% of GDP)	19.4	12	64.7	7 V
1.4.2	Patent families filed in two offices (per billion PPP\$ GDP)	6.0	8	86.7	У К
2.	Social transition		9	80.3	- /
2.1	HEALTH: Healthy life expectancy at birth (years)	70.2	24	84.0	-
2.2	WORK AND INCLUSION		10	80.5	7
2.2.1	Employment rate of the population aged 20-64 (%)	79.9	7	79.8	1
2.2.2	Employment-to-population ratio gender gap 25+ (%)	11.8	18	83.2	-
2.2.3	Early childhood care and education (%)	65.9	18	76.5	<b>↑ ~</b>
2.3	FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)	63.8	3	88.7	- /
2.4	EQUALITY		23	72.7	У К
2.4.1	Gini coefficient disposable income post taxes and transfers (0-100)	31.9	24	73.6	у к
2.4.2	Income share held by the poorest quintile (%)	7.6	28	70.0	<b>V</b>
<b>3</b> .	Environmental transition		17	64.3	1
3.1	EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)	11.3	57	52.9	
3.2	BIODIVERSITY		20	78.0	У
3.2.1	Terrestrial key biodiversity areas (KBAs) protected (%)	78.3	20	78.3	-
3.2.2	Freshwater key biodiversity areas (KBAs) protected (%)	81.1	20	81.1	-
3.2.3	Pesticide use per area of cropland (kg/ha)	4.0	45	71.2	У К
3.3	RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)	3.4	15	57.0	<b>↑</b>
3.4	ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)	13.8	22	69.2	1
4.	Governance transition		11	79.7	- //
4.1	FUNDAMENTAL RIGHTS		13	93.6	- /
4.1.1	Voice and accountability index (z-score)	1.4	11	92.3	- /
4.1.2	Rule of law index (z-score)	1.6	15	94.8	ν <u>ν</u>
4.2	SECURITY: Homicide rate (per 100,000 inhabitants)	0.9	23	81.5	-
4.3	TRANSPARENCY		10	65.1	7
4.3.1	Corruption perceptions index (0-100)	80.0	11	80.0	
4.3.2	Basel anti-money laundering index (0-10)	4.5	25	55.1	<b>↑</b>
4.4	SOUND PUBLIC FINANCES: Government gross debt (% of GDP)	61.9	47	76.2	<b>↑</b>
	tion loader [75, 100] Strong transition [65, 75] Condition [55, 65]				

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

Note: Progress lines use automatic scaling.

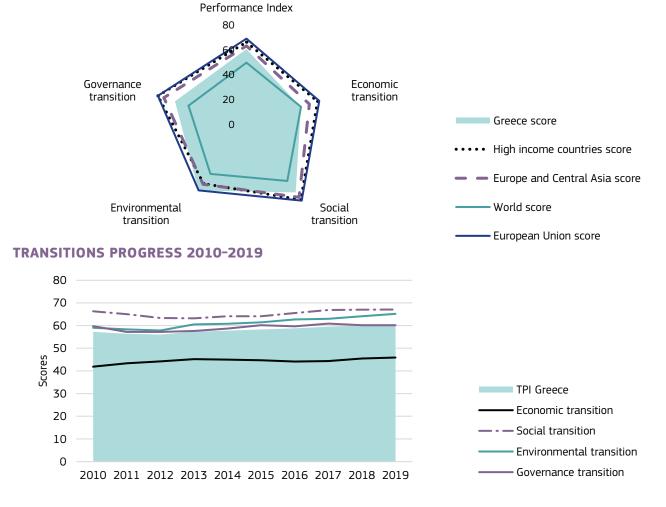


<b>E</b> GREECE			
POPULATION (million inhabitants)	10.7	GDP PER CAPITA (current PPP\$)	30 251.9
GROSS DOMESTIC PRODUCT (GDP) (billion PPP\$)	324.1	TRADE (% of GDP)	74.4
SUMMARY INNOVATION INDEX (0-100)	38.9	DIGITAL ECONOMY AND SOCIETY INDEX (0-100)	37.3

2019	TPI	TRANSITIONS					
2019	IPI	ECONOMIC	SOCIAL	ENVIRONMENTAL	GOVERNANCE		
Greece ranks	34	41	36	15	45		
Greece score	60.5	45.9	67.1	65.2	60.2		
World weighted average score	49.7	46.1	55.8	48.9	48.8		
High income countries score	66.0	60.0	74.4	58.4	74.5		
Europe and Central Asia score	63.1	53.1	72.0	59.1	69.5		
European Union score	68.8	61.4	75.4	65.2	74.5		

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

Transitions





GREECE		2019				2010-2019
		VALUE	RANK	SCORE	SC	ORE PROGRESS
TRANS	ITIONS PERFORMANCE INDEX		34	60.5	_	
1.	Economic transition		41	45.9	7	
1.1	EDUCATION: Government expenditure in education per student (% of GDP per capita)	16.3	35	65.1	_	
1.2	WEALTH: GDP per capita, current dollars (PPP\$)	30 251.9	39	40.3	_	
1.3	LABOUR PRODUCTIVITY & R&D INTENSITY		31	34.6	<b>1</b>	
1.3.1	Output per worker (2011 constant GDP PPP\$)	69 816.6	30	46.5	7	
1.3.2	Gross expenditure on R&D (% of GDP)	1.1	33	22.6	<b>1</b>	
1.4	INDUSTRIAL BASE		55	38.0	<b>1</b>	
1.4.1	Gross value added of manufacturing (% of GDP)	9.5	60	31.7	<b>1</b>	
1.4.2	Patent families filed in two offices (per billion PPP\$ GDP)	0.3	38	47.5	7	
2.	Social transition		36	67.1	_	
2.1	HEALTH: Healthy life expectancy at birth (years)	70.5	23	85.0	_	
2.2	WORK AND INCLUSION		55	52.5	_	<b>\</b>
2.2.1	Employment rate of the population aged 20-64 (%)	59.5	54	39.0	<b>\</b>	
2.2.2	Employment-to-population ratio gender gap 25+ (%)	19.6	48	72.0	_	
2.2.3	Early childhood care and education (%)	44.4	55	40.6	<b>1</b>	~~~
2.3	FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)	49.2	41	62.2	_	
2.4	EQUALITY		37	65.4	Ŋ	
2.4.1	Gini coefficient disposable income post taxes and transfers (0-100)	34.4	35	68.0	Ŋ	\
2.4.2	Income share held by the poorest quintile (%)	6.6	44	57.5	7	
3.	Environmental transition		15	65.2	7	
3.1	EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)	9.2	47	61.7	7	
3.2	BIODIVERSITY		9	85.1	7	_
3.2.1	Terrestrial key biodiversity areas (KBAs) protected (%)	85.8	11	85.8	_	
3.2.2	Freshwater key biodiversity areas (KBAs) protected (%)	87.2	14	87.2	_	
3.2.3	Pesticide use per area of cropland (kg/ha)	2.9	40	79.2	<b>4</b>	
3.3	RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)	2.7	22	44.9	<b>↑</b>	
3.4	ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)	13.8	23	69.2	7	<b>\</b>
4.	Governance transition		45	60.2	_	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
4.1	FUNDAMENTAL RIGHTS		36	68.3	<b>\</b>	<b>\</b>
		0.0		00.4	<b>.</b>	$\setminus$ $\checkmark$
4.1.1	Voice and accountability index (z-score)	0.9	31	80.4	7	
	Voice and accountability index (z-score) Rule of law index (z-score)	0.9	31 42	56.1	↑ 21	~
4.1.1	·				<b>→</b>	
4.1.1 4.1.2	Rule of law index (z-score)	0.2	42	56.1	<b>\</b>	
4.1.1 4.1.2 4.2	Rule of law index (z-score) SECURITY: Homicide rate (per 100,000 inhabitants)	0.2	42 22	56.1 81.6	<b>\</b>	
4.1.1 4.1.2 4.2 4.3	Rule of law index (z-score)  SECURITY: Homicide rate (per 100,000 inhabitants)  TRANSPARENCY	0.2	42 22 42	56.1 81.6 50.6	<b>\</b>	

Note: Progress lines use automatic scaling.

Source: European Commission, Transitions Performance Index 2020.

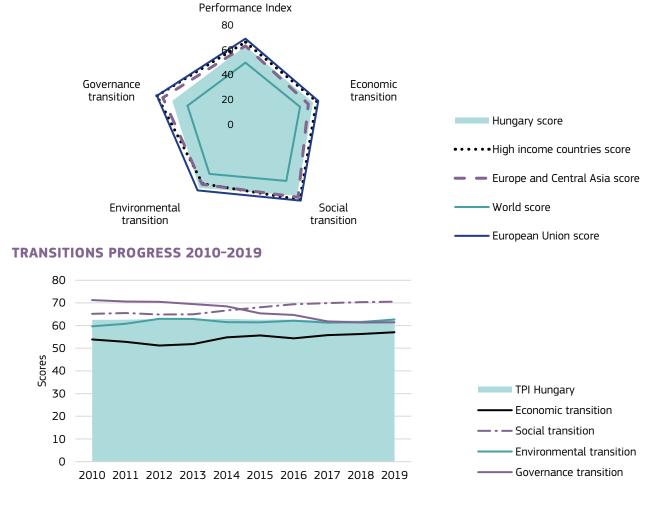


<b>HUNGARY</b>			
POPULATION (million inhabitants)	9.8	GDP PER CAPITA (current PPP\$)	34 046.2
GROSS DOMESTIC PRODUCT (GDP) (billion PPP\$)	332.2	TRADE (% of GDP)	163.0
SUMMARY INNOVATION INDEX (0-100)	33.7	DIGITAL ECONOMY AND SOCIETY INDEX (0-100)	47.5

2019	TPI	TRANSITIONS					
2019	IPI	ECONOMIC	SOCIAL	ENVIRONMENTAL	GOVERNANCE		
Hungary ranks	28	25	31	21	43		
Hungary score	62.8	57.1	70.5	62.7	61.4		
World weighted average score	49.7	46.1	55.8	48.9	48.8		
High income countries score	66.0	60.0	74.4	58.4	74.5		
Europe and Central Asia score	63.1	53.1	72.0	59.1	69.5		
European Union score	68.8	61.4	75.4	65.2	74.5		

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

Transitions





Second   S	HUNGARY		2	2019		2010-2019	
L.         Economic transition         25         57.1         -           1.1         EDUCATION: Cooperment expenditure in education per student (% of GDP per capita).         20.3         12         81.4         -           1.2         WEALTH: GDP per capita, current dollars (PPPS)         34 046.2         34         45.4         ↑           1.3.1         Output per worker (2011 constant GDP PPPS)         65 3435.0         36         42.3         ✓           1.3.2         Gross expenditure on R&D (% of GDP)         1.3         25         27.0         ↑           1.4.1         INDUSTRAL BASE         19         55.4         №           1.4.2         Patent families filed in two offices (per billion PPPS GDP)         18.2         17         60.7         -           2.2         Social transition         31         70.5         7         -         -           2.1         HEALTH: Healthy life expectancy at birth (years)         64.1         54         63.6         7           2.2         WORK AND INCLUSION         55         68.8         ↑         -           2.2.1         Employment-to-population aged 20-64 (%)         74.4         27         68.8         ↑           2.2.1         Employment-to-population ratio gender gap 25			VALUE	RANK	SCORE	SCORE PROGRESS	
EDUCATION: Government expenditure in education per student	TRANS	ITIONS PERFORMANCE INDEX		28	62.8	- ~~	
1.1   (% of GDP per capita)	1.	Economic transition		25	57.1		
1.31 LABOUR PRODUCTIVITY & R&D INTENSITY 1.31 Output per worker (2011 constant GDP PPPS) 1.32 Gross expenditure on R&D (% of GDP) 1.32 Gross expenditure on R&D (% of GDP) 1.33 25 27.0 ↑ 1.41 NDUSTRIAL BASE 1.41 Gross value added of manufacturing (% of GDP) 1.42 Patent families filed in two offices (per billion PPPS GDP) 1.42 Patent families filed in two offices (per billion PPPS GDP) 1.43 Social transition 1.4 INDUSTRIAL BASE 1.5 Social transition 1.5 Social transition 1.6 Social transition 1.7 Social transition 1.7 Social transition 1.8 Social transition 1.9 Social transition 1.0 Social	1.1		20.3	12	81.4	-	
1.3.1 Output per worker (2011 constant GDP PPPS) 63 435.0 36 42.3 7 1 1.3.2 Gross expenditure on R&D (% of GDP) 1.3 25 27.0 ↑ 1 1.4 INDUSTRIAL BASE 1.9 55.4 M 1.5 1.4 INDUSTRIAL BASE 1.1 19 55.4 M 1.5 1.4 INDUSTRIAL BASE 1.1 19 55.4 M 1.5 1.4 Industrial Gross value added of manufacturing (% of GDP) 18.2 17 60.7	1.2	WEALTH: GDP per capita, current dollars (PPP\$)	34 046.2	34	45.4	<b>↑</b>	
1.3.2 Gross expenditure on R&D (% of GDP)  1.4 INDUSTRIAL BASE  1.4.1 Gross value added of manufacturing (% of GDP)  1.4.2 Patent families filed in two offices (per billion PPPS GDP)  1.4.2 Patent families filed in two offices (per billion PPPS GDP)  2.1 HEALTH: Healthy life expectancy at birth (years)  2.1 HEALTH: Healthy life expectancy at birth (years)  2.2 WORK AND INCLUSION  2.2.1 Employment rate of the population aged 20-64 (%)  2.2.2 Employment-to-population ratio gender gap 25+ (%)  2.2.3 Early childhood care and education (%)  2.2.3 Early childhood care and education (%)  3.4 EQUALITY  2.5 Gini coefficient disposable income post taxes and transfers (0-100)  2.6 ENISSIONS REDUCTION: Gross greenhouse gas emissions (10-100)  3.6 Environmental transition  3.7 EMISSIONS REDUCTION: Gross greenhouse gas emissions (10-100)  3.8 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per koe)  3.9 Pesticide use per area of cropland (kg/ha)  3.1 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per koe)  4.1 FUNDAMENTAL RIGHTS  4.2 RIGHE AND	1.3	LABOUR PRODUCTIVITY & R&D INTENSITY		30	34.6	7 /	
1.4 INDUSTRIAL BASE  1.4.1 Gross value added of manufacturing (% of GDP)  1.4.2 Patent families filed in two offices (per billion PPPS GDP)  2. Social transition  2.1 HEALTH: Healthy life expectancy at birth (years)  2.2 WORK AND INCLUSION  2.2 WORK AND INCLUSION  2.3 FREE OR NON-REMUNEATED TIME:	1.3.1	Output per worker (2011 constant GDP PPP\$)	63 435.0	36	42.3	7 ~	
1.4.1 Gross value added of manufacturing (% of GDP) 1.4.2 Patent families filed in two offices (per billion PPP\$ GDP) 1.4.2 Patent families filed in two offices (per billion PPP\$ GDP) 2. Social transition 2.1 HEALTH: Healthy life expectancy at birth (years) 3.1 70.5 7  2.2 WORK AND INCLUSION 3.5 68.3 ↑  2.2.1 Employment rate of the population aged 20-64 (%) 3.5 68.3 ↑  2.2.2 Employment-to-population ratio gender gap 25+ (%) 3.6 Employment-to-population ratio gender gap 25+ (%) 3.7 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%) 3.6 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%) 3.6 EQUALITY 3.7 Gini coefficient disposable income post taxes and transfers (Gini coeff	1.3.2	Gross expenditure on R&D (% of GDP)	1.3	25	27.0	1	
1.4.2 Patent families filed in two offices (per billion PPP\$ GDP) 2. Social transition 2.1 HEALTH: Healthy life expectancy at birth (years) 2.2 WORK AND INCLUSION 3.5 68.3 ↑ 2.2.1 Employment rate of the population aged 20-64 (%) 2.2.2 Employment-tor-population ratio gender gap 25+ (%) 2.2.3 Early childhood care and education (%) 2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%) 2.4 EQUALITY 2.4.1 Gini coefficient disposable income post taxes and transfers (0-100) 3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capital) 3.2 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capital) 3.1 Emissions REDUCTION: Gross greenhouse gas emissions (tonnes per capital) 3.2 BIODIVERSITY 3.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2 Pesticide use per area of cropland (kg/ha) 3.2 Pesticide use per area of cropland (kg/ha) 3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per koe) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 4.1 FUNDAMENTAL RIGHTS 4.1 FUNDAMENTAL RIGHTS 4.2 RIGHT STANSPARENCY 4.3 TRANSPARENCY 4.4 49.0 ↓ 4.3 TRANSPARENCY 4.4 49.0 ↓ 4.3 TOURLE PROPUCTION index (2-score) 4.4 49.0 ↓ 4.5 Corruption perceptions index (0-100) 4.5 Basel anti-money laundering index (0-100)	1.4	INDUSTRIAL BASE		19	55.4	<u>v</u>	
2. Social transition  2.1 HEALTH: Healthy life expectancy at birth (years)  2.2 WORK AND INCLUSION  2.2.1 Employment rate of the population aged 20-64 (%)  2.2.2 Employment-trate of the population aged 20-64 (%)  2.2.2 Employment-trate of the population aged 20-64 (%)  2.2.2 Employment-trate of the population aged 20-64 (%)  2.2.3 Early childhood care and education (%)  2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  2.4 EQUALITY  2.5 FREE OR NON-REMUNERATED TIME: (0-100)  2.4.1 Ginic coefficient disposable income post taxes and transfers (0-100)  2.4.2 Income share held by the poorest quintile (%)  3. Environmental transition  4. EMBSSIONS REDUCTIONS: Gross greenhouse gas emissions (tonnes per capita)  3. Environmental transition  4. EMBSSIONS REDUCTIONS: Gross greenhouse gas emissions (tonnes per capita)  3. Environmental transition  4. EMBSSIONS REDUCTIONS: Gross greenhouse gas emissions (tonnes per capita)  3. ENVIRONMENTAL REPORTIONS (REDUCTIONS: Gross greenhouse gas emissions (tonnes per capita)  3. ENVIRONMENTAL REPORTIONS (REDUCTIVITY: Energy productivity (PPPS per koe)  3. ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  3. ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  3. ENERGY REDUCTIVITY: Energy productivity (PPPS per koe)  3. ENERGY REDUCTIVITY: Energy productivity (PPPS per koe)  3. ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  3. ENERGY FRODUCTIVITY: Energy productivity (PPPS per koe)  3. ENERGY ENERGY (PRODUCTIVITY: Energy productivity (PPPS per koe)  3. ENERGY ENERGY (PRODUCTIVITY: Energy productivity (PPPS per koe)  3. ENERGY ENERGY (PRODUCTIVITY: Energy productivity (PPPS per koe)  3. ENERGY ENERGY (PRODUCTIVITY: Energy productivity (PPPS per koe)  3. Energy	1.4.1	Gross value added of manufacturing (% of GDP)	18.2	17	60.7	- /	
2.1 HEALTH: Healthy life expectancy at birth (years) 2.2 WORK AND INCLUSION 3.5 68.3 ↑  2.2.1 Employment rate of the population aged 20-64 (%) 2.2.2 Employment-to-population ratio gender gap 25+ (%) 2.2.3 Early childhood care and education (%) 3.5 56.9 ↑  7.6 78EE OR NON-REMUNERATED TIME: Free or non-remunerated time (%) 2.4 EQUALITY 3.0 Gini coefficient disposable income post taxes and transfers (ion-100) 2.4.2 Income share held by the poorest quintile (%) 3.5 Environmental transition 3.6 Environmental transition 3.7 EmissionS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.2.3 Pesticide use per area of cropland (kg/ha) 3.6 ENESCOURCE PRODUCTIVITY: Resource productivity (PPPS per kg) 3.7 ENESCOURCE PRODUCTIVITY: Resource productivity (PPPS per kg) 3.8 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 4.1 Voice and accountability index (z-score) 4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 4.3 TRANSPARENCY 4.4 49.0 4.5 28 Basel anti-money laundering index (0-100) 4.9 38 51.0	1.4.2	Patent families filed in two offices (per billion PPP\$ GDP)	0.3	37	47.6	<b>V</b>	
2.2 WORK AND INCLUSION  2.2.1 Employment rate of the population aged 20-64 (%)  2.2.2 Employment rate of the population aged 20-64 (%)  2.2.2 Employment-to-population ratio gender gap 25+ (%)  2.2.3 Early childhood care and education (%)  2.3 FREE OR NON-REMUNERATED TIME:	2.	Social transition		31	70.5	7	
2.2.1 Employment rate of the population aged 20-64 (%)  2.2.2 Employment-to-population ratio gender gap 25+ (%)  2.2.3 Early childhood care and education (%)  2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  2.4 EQUALITY  2.0 75.8 ¥  2.4.1 Gini coefficient disposable income post taxes and transfers (0-100)  2.4.2 Income share held by the poorest quintile (%)  3. Environmental transition  3. Environmental transition  3. Environmental transition  3. ElimicsionS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3. ElimicsionS Rebutchion:  3. Erestivate key biodiversity areas (KBAs) protected (%)  3. Erestivate key biodiversity areas (KBAs) protected (%)  3. Rescource Productivity (RPPS per kg)  3. Rescource Productivity: Resource productivity (PPPS per kg)  3. Rescource transition  3. Rescource transition  4. ENERGY PRODUCTIVITY: Resource productivity (PPPS per kg)  3. ENERGY PRODUCTIVITY: Energy productivity (PPPS per kg)  3. Environmental transition  4. Every Environmental transition  4. Every Environmental transition  4. Every Environmental transition  4. Every Environmental transition  5. Environmental transition  6. 28 72.5  7. Forthwater kg biodiversity area (KBAs)	2.1	HEALTH: Healthy life expectancy at birth (years)	64.1	54	63.6	7	
2.2.2 Employment-to-population ratio gender gap 25+ (%) 2.2.3 Early childhood care and education (%) 54.2 39 56.9 ↑  2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%) 2.4 EQUALITY 2.5 EQUALITY 2.6 Total diplosable income post taxes and transfers (0-100) 2.4.1 Gini coefficient disposable income post taxes and transfers (0-100) 2.4.2 Income share held by the poorest quintile (%) 3.6 Environmental transition 3.7 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3.1 Emissions REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3.2 BIODIVERSITY 3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.3.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.3.3 Pesticide use per area of cropland (kg/ha) 3.4 ENERGY PRODUCTIVITY: Resource productivity (PPPS per kg) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 4.1 FUNDAMENTAL RIGHTS 4.1 FUNDAMENTAL RIGHTS 4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 4.3 TRANSPARENCY 4.4 4 49.0 ↓ 4.3.1 Corruption perceptions index (0-100) 4.5.2 Basel anti-money laundering index (0-100) 4.9 38 51.0 ↓	2.2	WORK AND INCLUSION		35	68.3	<b>↑</b>	
2.2.3 Early childhood care and education (%) 542 39 56.9 ↑  2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%) 54.7 31 72.1 ↑  2.4 EQUALITY 20 75.8 №  2.4.1 Gini coefficient disposable income post taxes and transfers (0-100) 7.9 22 73.8 №  3. Environmental transition 21 62.7 −  3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (100 and 100 a	2.2.1	Employment rate of the population aged 20-64 (%)	74.4	27	68.8	↑	
2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%) 2.4 EQUALITY 2.0 75.8 Y 2.4.1 Gini coefficient disposable income post taxes and transfers (incoefficient disposable income	2.2.2	Employment-to-population ratio gender gap 25+ (%)	18.5	45	73.5	<u>у</u>	
Free or non-remunerated time (%)  2.4 EQUALITY  2.5 EQUALITY  2.6 Gini coefficient disposable income post taxes and transfers (%)  2.4.1 (%)-100)  2.4.2 Income share held by the poorest quintile (%)  3.6 Ip 76.4   1	2.2.3	Early childhood care and education (%)	54.2	39	56.9	<b>↑</b>	
2.4 EQUALITY 20 75.8	2.3		54.7	31	72.1	<b>^</b>	
2.4.1 Gini coefficient disposable income post taxes and transfers (0-100) 2.4.2 Income share held by the poorest quintile (%) 3. Environmental transition 2. EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3. ENDIVERSITY 3. EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3. Environmental transition 3. ENVIRONMENTAL RIGHTS 3. ENCOURCE PRODUCTIVITY: Resource productivity (PPPS per koe) 3. RESOURCE PRODUCTIVITY: Energy productivity (PPPS per koe) 4. Governance transition 4. FUNDAMENTAL RIGHTS 4. FUNDAMENTAL RIGHTS 4. SECURITY: Homicide rate (per 100,000 inhabitants) 4. SECURITY: Homicide rate (per 100,000 inhabitants) 4. TRANSPARENCY 4. SECURITY: Homicide rate (per 100,000 inhabitants) 4. Corruption perceptions index (0-100) 4. Seal anti-money laundering index (0-100)							
2.4.1 (0-100) 2.4.2 Income share held by the poorest quintile (%)  3. Environmental transition  2. EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3. EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3. EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3. EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3. EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3. EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3. ENERGITION (REAL PRODUCTION: Gross greenhouse gas emissions (tonnes per capita)  3. Errestwater key biodiversity areas (KBAs) protected (%)  83.1					/5.8	3	
3. Environmental transition  3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (connes per capita)  3.2 BIODIVERSITY  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.2.3 Pesticide use per area of cropland (kg/ha)  3.2.3 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per kg)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  4. Governance transition  4. Governance transition  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.4 49.0  4.5 ESCURITY: Homicide rate (per 100,000 inhabitants)  4.6 COTOURTION (PPPS)	2.4.1		30.6	19	76.4	7	
3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3.2 BIODIVERSITY  12 84.1 −  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.2.3 Pesticide use per area of cropland (kg/ha)  3.2.4 RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)  4. Governance transition  4. FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  4.9 38 51.0	2.4.2	Income share held by the poorest quintile (%)	7.9	22	73.8	7	
S.1   (tonnes per capita)   S.5   Z8   72.5   -	3.	Environmental transition		21	62.7	- /~~	
3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.2.3 Pesticide use per area of cropland (kg/ha) 3.2.3 RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe) 4. Governance transition 4.1 FUNDAMENTAL RIGHTS 4.1.1 Voice and accountability index (z-score) 4.1.2 Rule of law index (z-score) 4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 4.3 TRANSPARENCY 4.3.1 Corruption perceptions index (0-100) 4.5.2 Basel anti-money laundering index (0-10) 4.9 38 51.0	3.1		6.6	28	72.5	- /	
3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.2.3 Pesticide use per area of cropland (kg/ha) 3.2.3 RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe) 4.1 FUNDAMENTAL RIGHTS 4.1.1 Voice and accountability index (z-score) 4.1.2 Rule of law index (z-score) 4.1.3 Rule of law index (z-score) 4.1.4 SECURITY: Homicide rate (per 100,000 inhabitants) 4.5 TRANSPARENCY 4.6 TRANSPARENCY 4.7 TRANSPARENCY 4.8 Basel anti-money laundering index (0-100) 4.9 38 51.0	3.2	BIODIVERSITY		12	84.1	-	
3.2.3 Pesticide use per area of cropland (kg/ha)  3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)  4. Governance transition  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  4.5 Basel anti-money laundering index (0-10)  4.7 SECURITY: Homicide rate (0-10)  4.8 SECURITY: Homicide rate (0-10)  4.9 SECURITY: Homicide rate (0-10)	3.2.1	Terrestrial key biodiversity areas (KBAs) protected (%)	83.1	15	83.1	-	
3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)  4. Governance transition  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  4.3.2 Basel anti-money laundering index (0-10)  3.3 36.5  3.4 36.5  4.5 57.8  4.6 6.8  4.7 4.7  4.7 56.8  4.8 51.0  4.9 38 51.0	3.2.2	Freshwater key biodiversity areas (KBAs) protected (%)	84.9	16	84.9	-	
3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)  4. Governance transition  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  4.3.2 Basel anti-money laundering index (0-10)  4.5 SECURITY: Homicide rate (0-100)  4.6 SECURITY: Homicide rate (0-100)  4.7 SECURITY: Homicide rate (0-100)  4.8 SECURITY: Homicide rate (0-100)  4.9 SECURITY: Homicide rate (0-100)	3.2.3	· · · · · · · · · · · · · · · · · · ·	2.2	33	84.5	-	
4. Governance transition  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3 Corruption perceptions index (0-100)  4.3.2 Basel anti-money laundering index (0-10)  4.3 TRANSPARENCY  4.4 Corruption perceptions index (0-100)  4.5 SECURITY: Homicide rate (100,000 inhabitants)  4.7 SECURITY: Homicide rate (100,000 inhabitants)  4.8 SECURITY: Homicide rate (100,000 inhabitants)  4.9 SECURITY: Homicide rate (100,000 inhabitants)  4.1 SECURITY: Homicide rate (100,000 inhabitants)  4.2 SECURITY: Homicide rate (100,000 inhabitants)  4.3 TRANSPARENCY  4.4 SECURITY: Homicide rate (100,000 inhabitants)  4.5 SECURITY: Homicide rate (100,000 inhabitants)  4.7 SECURITY: Homicide rate (100,000 inhabitants)  4.8 SECURITY: Homicide rate (100,000 inhabitants)  4.9 SECURITY: Homicide rate (100,000 inhabitants)	3.3		2.2	33	36.5	7	
4.1       FUNDAMENTAL RIGHTS       37       66.8       ↓         4.1.1       Voice and accountability index (z-score)       0.3       43       62.5       ↓         4.1.2       Rule of law index (z-score)       0.6       35       71.1       ⅓         4.2       SECURITY: Homicide rate (per 100,000 inhabitants)       2.5       51       65.4       ↓         4.3       TRANSPARENCY       44       49.0       ↓         4.3.1       Corruption perceptions index (0-100)       46.0       42       46.0       ↓         4.3.2       Basel anti-money laundering index (0-10)       4.9       38       51.0       ↓	3.4	ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)	11.6	35	57.8	1	
4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  6.6 35 71.1 №  6.7 SECURITY: Homicide rate (per 100,000 inhabitants)  7.8 TRANSPARENCY  7.9 TRANSPARENCY  7.9 TRANSPARENCY  7.0 TRANSPARENCY  7.	4.	Governance transition		43	61.4	<b>V</b>	
4.1.2       Rule of law index (z-score)       0.6       35       71.1       ¥         4.2       SECURITY: Homicide rate (per 100,000 inhabitants)       2.5       51       65.4       ↓         4.3       TRANSPARENCY       44       49.0       ↓         4.3.1       Corruption perceptions index (0-100)       46.0       42       46.0       ↓         4.3.2       Basel anti-money laundering index (0-10)       4.9       38       51.0       ↓	4.1	FUNDAMENTAL RIGHTS		37	66.8	<b>V</b>	
4.2       SECURITY: Homicide rate (per 100,000 inhabitants)       2.5       51       65.4       ↓         4.3       TRANSPARENCY       44       49.0       ↓         4.3.1       Corruption perceptions index (0-100)       46.0       42       46.0       ↓         4.3.2       Basel anti-money laundering index (0-10)       4.9       38       51.0       ↓	4.1.1	Voice and accountability index (z-score)	0.3	43	62.5	<b>V</b>	
4.3       TRANSPARENCY       44       49.0       ↓         4.3.1       Corruption perceptions index (0-100)       46.0       42       46.0       ↓         4.3.2       Basel anti-money laundering index (0-10)       4.9       38       51.0       ↓	4.1.2	Rule of law index (z-score)	0.6	35	71.1	<u>v</u>	
4.3.1 Corruption perceptions index (0-100)       46.0       42       46.0       ↓         4.3.2 Basel anti-money laundering index (0-10)       4.9       38       51.0       ↓	4.2	SECURITY: Homicide rate (per 100,000 inhabitants)	2.5	51	65.4	<b>+</b> ~~~	
4.3.2 Basel anti-money laundering index (0-10) 4.9 38 51.0	4.3	TRANSPARENCY		44	49.0	<b>V</b>	
	4.3.1	Corruption perceptions index (0-100)	46.0	42	46.0	<b>V</b>	
4.4 SOUND PUBLIC FINANCES: Government gross debt (% of GDP) 70.2 52 70.8 7	4.3.2	Basel anti-money laundering index (0-10)	4.9	38	51.0	<b>V</b>	
	4.4	SOUND PUBLIC FINANCES: Government gross debt (% of GDP)	70.2	52	70.8	7	

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

Note: Progress lines use automatic scaling.

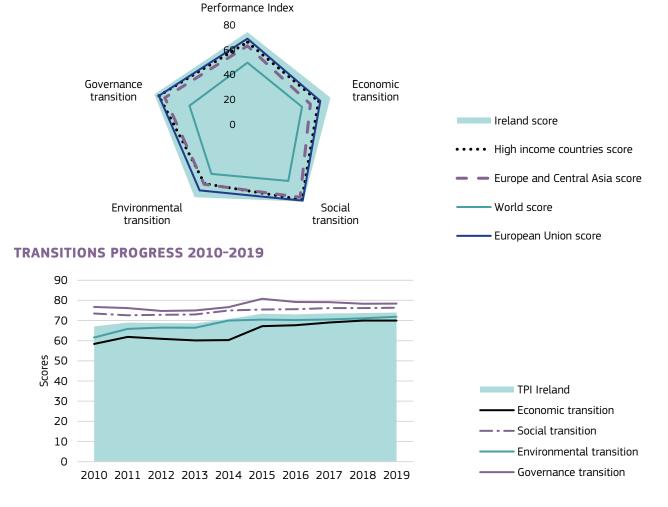


IRELAND			
POPULATION (million inhabitants)	4.9	GDP PER CAPITA (current PPP\$)	83 399.3
GROSS DOMESTIC PRODUCT (GDP) (billion PPP\$)	412.8	TRADE (% of GDP)	239.2
SUMMARY INNOVATION INDEX (0-100)	56.8	DIGITAL ECONOMY AND SOCIETY INDEX (0-100)	61.8

2019	TPI	TRANSITIONS					
2019	IPI	ECONOMIC	SOCIAL	ENVIRONMENTAL	GOVERNANCE		
Ireland ranks	5	5	20	7	13		
Ireland score	74.0	70.0	76.3	71.9	78.4		
World weighted average score	49.7	46.1	55.8	48.9	48.8		
High income countries score	66.0	60.0	74.4	58.4	74.5		
Europe and Central Asia score	63.1	53.1	72.0	59.1	69.5		
European Union score	68.8	61.4	75.4	65.2	74.5		

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

Transitions





IRELAND		2019			2010-2019	
		VALUE	RANK	SCORE	SCORE PROGRESS	
TRANSI	ITIONS PERFORMANCE INDEX		5	74.0	7	
1.	Economic transition		5	70.0	1	
1.1	EDUCATION: Government expenditure in education per student (% of GDP per capita)	9.7	61	38.7	<b>+</b>	
1.2	WEALTH: GDP per capita, current dollars (PPP\$)	83 399.3	1	100.0	↑	
1.3	LABOUR PRODUCTIVITY & R&D INTENSITY		12	60.4	↑	
1.3.1	Output per worker (2011 constant GDP PPP\$)	155 654.4	1	100.0	↑	
1.3.2	Gross expenditure on R&D (% of GDP)	1.0	35	20.8	<b>V</b>	
1.4	INDUSTRIAL BASE		2	87.8	<b>↑</b>	
1.4.1	Gross value added of manufacturing (% of GDP)	30.8	1	100.0	<b>↑</b>	
1.4.2	Patent families filed in two offices (per billion PPP\$ GDP)	1.7	23	69.4	7	
2.	Social transition		20	76.3	-	
2.1	HEALTH: Healthy life expectancy at birth (years)	71.1	17	87.0	-	
2.2	WORK AND INCLUSION		24	74.5	<b>↑</b>	
2.2.1	Employment rate of the population aged 20-64 (%)	74.1	28	68.2	<b>↑</b>	
2.2.2	Employment-to-population ratio gender gap 25+ (%)	13.7	28	80.4	у к	
2.2.3	Early childhood care and education (%)	65.3	20	75.4	↑ ✓	
2.3	FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)	54.7	30	72.2		
2.4	EQUALITY		25	72.1		
2.4.1	Gini coefficient disposable income post taxes and transfers (0-100)	32.8	27	71.6	7 \\ \_	
2.4.2	Income share held by the poorest quintile (%)	7.9	22	73.8	- ~	
3.	Environmental transition		7	71.9	1	
3.1	EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)	13.3	61	44.6	- /	
3.2	BIODIVERSITY		10	84.9	<u>и</u> ~	
3.2.1	Terrestrial key biodiversity areas (KBAs) protected (%)	87.7	9	87.7	-	
3.2.2	Freshwater key biodiversity areas (KBAs) protected (%)	97.7	4	97.7	_	
3.2.3	Pesticide use per area of cropland (kg/ha)	6.5	54	53.8	<b>↓</b>	
3.3	RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)	3.5	14	58.1	1	
3.4	ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)	30.8	1	100.0	1	
4.	Governance transition		13	78.4		
4.1	FUNDAMENTAL RIGHTS		15	91.7	<u>и</u>	
4.1.1	Voice and accountability index (z-score)	1.3	16	90.6	7 ~~~ K	
4.1.2	Rule of law index (z-score)	1.5	17	92.8	N K	
4.2	SECURITY: Homicide rate (per 100,000 inhabitants)	0.9	19	82.6	- ~~	
4.3	TRANSPARENCY		20	61.9	<u>и</u>	
4.3.1	Corruption perceptions index (0-100)	73.0	17	73.0		
4.3.2	Basel anti-money laundering index (0-10)	4.6	26	54.5	<b>↓</b>	
4.4					_	

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

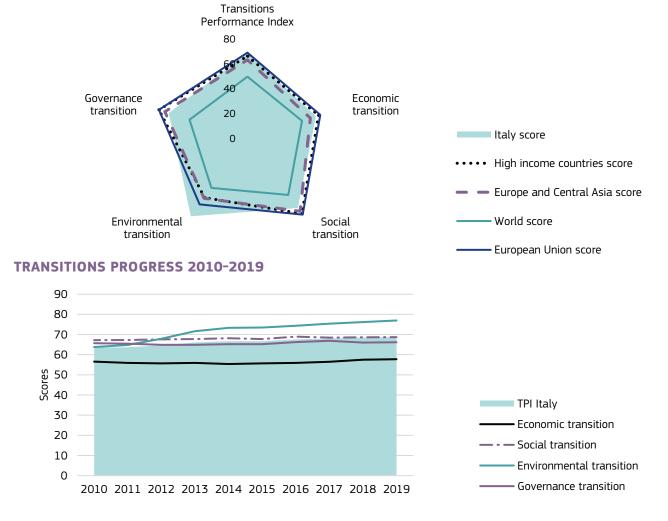
Note: Progress lines use automatic scaling.



ITALY			
POPULATION (million inhabitants)	60.4	GDP PER CAPITA (current PPP\$)	40 470.3
GROSS DOMESTIC PRODUCT (GDP) (billion PPP\$)	2 442.8	TRADE (% of GDP)	60.1
SUMMARY INNOVATION INDEX (0-100)	42.0	DIGITAL ECONOMY AND SOCIETY INDEX (0-100)	43.6

2019	TPI	TRANSITIONS					
2019	IPI	ECONOMIC SOCIAL		ENVIRONMENTAL	GOVERNANCE		
Italy ranks	16	24	32	3	37		
Italy score	68.8	57.8	68.7	77.0	66.2		
World weighted average score	49.7	46.1	55.8	48.9	48.8		
High income countries score	66.0	60.0	74.4	58.4	74.5		
Europe and Central Asia score	63.1	53.1	72.0	59.1	69.5		
European Union score	68.8	61.4	75.4	65.2	74.5		

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]





TRANSITIONS PERFORMANCE INDEX	ITALY		2019			2010-2019	
1. Economic transition  1.1 EDUCATION: Government expenditure in education per student (% of GDP per capita)  1.2 WEALTH: GDP per capita, current dollars (PPP5)  1.3 LABOUR PRODUCTIVITY & R&O INTENSITY  2. 44.3 -  1.3.1 Output per worker (2011 constant GDP PPP5)  1.3.2 Gross expenditure on R&O (% of GDP)  1.4 24 27.0	ПА	LY	VALUE	RANK	SCORE	SC	ORE PROGRESS
EDUCATION: Government expenditure in education per student	TRANS	ITIONS PERFORMANCE INDEX		16	68.8	7	
1.1. (% of GDP per capita, current dollars (PPPS)	1.	Economic transition		24	57.8	-	
1.3 LABOUR PRODUCTIVITY & R&D INTENSITY 1.3.1 Output per worker (2011 constant GDP PPPS) 1.3.2 Gross expenditure on R&D (% of GDP) 1.4 24 27.0 7 1.4 INDUSTRIAL BASE 1.7 56.7 1.4 INDUSTRIAL BASE 1.1 7 56.7 1.4 INDUSTRIAL BASE 1.1 7 56.7 1.4 Patent families filed in two offices (per billion PPPS GDP) 1.4 24 67.3 2. Social transition 2.1 HEALTH: Healthy life expectancy at birth (years) 2.2 WORK AND INCLUSION 2.2.1 Employment rate of the population aged 20-64 (%) 2.2.2 Employment rate of the population aged 20-64 (%) 2.2.2 Employment-to-population ratio gender gap 25+ (%) 2.2.3 FREE OR NON-REMUNEATED TIME: 3.5 FREE OR NON-REMUNEATED TIME: 49.7 39 65.1 7 51.2 Gross walk of the poorest quintile (%) 52.4 EQUALITY 2.4.1 Gin (coefficient disposable income post taxes and transfers (0-100) 2.4.2 Income share held by the poorest quintile (%) 5. Environmental transition 5. REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3. BIODIVERSITY 5. 21 77.9 5. Pesticide use per area of cropland (kg/ha) 5. Environmental transition 5. REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 5. Environmental transition 5. REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 5. Environmental transition 6. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5.	1.1	·	17.6	25	70.4	Ŋ	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
1.3.1 Output per worker (2011 constant GDP PPPS) 1.3.2 Gross expenditure on R&D (% of GDP) 1.4 24 27.0 7 1.4 INDUSTRIAL BASE 1.7 56.7 Y 1.4.1 Gross value added of manufacturing (% of GDP) 1.4.9 26 49.7 - 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 1.4 24 67.3 Y 2. Social transition 2.1 HEALTH: Healthy life expectancy at birth (years) 2.2 WORK AND INCLUSION 2.1 Employment rate of the population aged 20-64 (%) 2.2.1 Employment-to-population ratio gender gap 25+ (%) 2.2.2 Employment-to-population ratio gender gap 25+ (%) 2.3 FREE OR NON-REMUNERATED TIME: Price or non-remunerated time (%) 2.4 EQUALITY 2.4.1 Gini coefficient disposable income post taxes and transfers (Gini coefficient disposable income post taxes and transfers (O-100) 2.4.2 Income share held by the poorest quintile (%) 3. Environmental transition 3. EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3.2 BIODIVERSITY 3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per kg) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 4.1 FUNDAMENTAL RIGHTS 4.1 FUNDAMENTAL RIGHTS 4.2 Tong and accountability index (z-score) 4.2 Rule of law index (z-score) 4.3 TRANSPARENCY 4.3 TRANSPARENCY 4.3 TRANSPARENCY 4.3 Basel anti-money laundering index (0-100) 5.0 4.2 50.1 Y	1.2	WEALTH: GDP per capita, current dollars (PPP\$)	40 470.3	27	54.0	<b>1</b>	
1.3.2 Gross expenditure on R&D (% of GDP)  1.4 24 27.0	1.3	LABOUR PRODUCTIVITY & R&D INTENSITY		22	44.3	-	~
14 INDUSTRIAL BASE 1.4.1 Gross value added of manufacturing (% of GDP) 1.4.2 Patent familities filed in two offices (per billion PPPS GDP) 1.4.2 Patent familities filed in two offices (per billion PPPS GDP) 1.4.2 Patent familities filed in two offices (per billion PPPS GDP) 1.4.2 67.3 M 2. Social transition 2. Social transition 2. WORK AND INCLUSION 2. Employment rate of the population aged 20-64 (%) 2. Employment rate of the population aged 20-64 (%) 2. Employment-to-population ratio gender gap 25+ (%) 2. Employment-to-population gad 20-64 (%) 3. Environmental transition 3. Employment-to-population ratio gender gap 25+ (%) 3. Environmental transition 3. Environmental transition 3. Environmental transition 3. Tofologous gas emissions 4. Environmental transition 4. Environmental t	1.3.1	Output per worker (2011 constant GDP PPP\$)	92 296.2	15	61.5	7	~
1.4.1 Gross value added of manufacturing (% of GDP) 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 1.4.2 4 67.3 ×  2. Social transition 2.1 HEALTH: Healthy life expectancy at birth (years) 2.2 WORK AND INCLUSION 2.2.1 Employment rate of the population aged 20-64 (%) 2.2.2 Employment-to-population ratio gender gap 25+ (%) 2.2.3 Early childhood care and education (%) 2.3 FREE OR NON-REMUNERATED TIME: 2.4 EQUALITY 2.4 EQUALITY 2.5 Gini coefficient disposable income post taxes and transfers 2.4 (Gini coefficient disposable income post taxes and transfers 3.5 EMISSIONS REDUCTION: Gross greenhouse gas emissions 3. (tonones par capita) 3. EMISSIONS REDUCTION: Gross greenhouse gas emissions 4.7 (connes per capita) 3.2 BIODIVERSITY 3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.3 RESOURCE PRODUCTIVITY: Energy productivity (PPPS per koe) 4. Governance transition 4. Governance transition 5. Governance transition 6. Governance transition 7. Govern	1.3.2	Gross expenditure on R&D (% of GDP)	1.4	24	27.0	7	
1.42 Patent families filed in two offices (per billion PPPS GDP)  2. Social transition  2.1 HEALTH: Healthy life expectancy at birth (years)  2.2 WORK AND INCLUSION  2.2.1 Employment rate of the population aged 20-64 (%)  2.2.2 Employment rate of the population aged 20-64 (%)  2.2.2 Employment-to-population ratio gender gap 25+ (%)  2.2.3 Early childhood care and education (%)  2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  2.4 EQUALITY  2.4 Günt Ceefficient disposable income post taxes and transfers (0-100)  2.4.2 Ionic neshare held by the poorest quintile (%)  3. Environmental transition  3. EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3.2 BIODIVERSITY  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.3 Pesticide use per area of cropland (kg/ha)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  4. Governance transition  4.1 FUNDAMENTAL RIGHTS  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.1 Tony index (2-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.1 Governance patanney laundering index (0-100)  5.0 4.2 SOL 14  5.0 15  5.0 1	1.4	INDUSTRIAL BASE		17	56.7	7	~
2. Social transition  2.1 HEALTH: Healthy life expectancy at birth (years)  2.2 WORK AND INCLUSION  2.2.1 Employment rate of the population aged 20-64 (%)  2.2.2 Employment-to-population ratio gender gap 25+ (%)  2.2.3 Early childhood care and education (%)  2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  2.4 EQUALITY  2.4.1 Gini coefficient disposable income post taxes and transfers (0-100)  2.4.2 Income share held by the poorest quintile (%)  3. Environmental transition  3. Freshwater key biodiversity areas (KBAs) protected (%)  3. Freshwater key biodiversity areas (KBAs) protected (%)  3. Freshwater key biodiversity areas (KBAs) protected (%)  3. RESOURCE PRODUCTIVITY: Resource productivity  3. RESOURCE PRODUCTIVITY: Resource productivity  3. RESOURCE PRODUCTIVITY: Energy productivity (PPPS per koe)  4. Governance transition  4. FUNDAMENTAL RIGHTS  4. SUBJECT SUBJECT (SUBJECT (SU	1.4.1	Gross value added of manufacturing (% of GDP)	14.9	26	49.7	-	~
2.1 HEALTH: Healthy life expectancy at birth (years) 2.2 WORK AND INCLUSION 43 61.4 7  2.2.1 Employment rate of the population aged 20-64 (%) 63.0 51 46.0 7  2.2.2 Employment-to-population ratio gender gap 25+ (%) 19.1 47 72.8 7  2.2.3 Early childhood care and education (%) 61.8 25 69.7 -  2.5 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%) 2.4 EQUALITY 48 61.0  2.4.1 (Gini coefficient disposable income post taxes and transfers (0-100) 2.4.2 Income share held by the poorest quintile (%) 3. Environmental transition 3. 77.0  3.1 (EMISSIONS REDUCTION: Gross greenhouse gas emissions (tones per capita) 3.2 BIODIVERSITY 3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.3 Pesticide use per area of cropland (kg/ha) 3.1 (PPPS per kg) 3.2 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per kg) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 4.1 FUNDAMENTAL RIGHTS 4.1 Voice and accountability index (z-score) 4.1 Rule of law index (z-score) 4.1 Rule of law index (z-score) 4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 4.3 TRANSPARENCY 4.3 TRANSPARENCY 4.4 SECURITY: Homicide rate (per 100,000 inhabitants) 4.5 Basel anti-money laundering index (0-100) 5.0 42 50.1 V	1.4.2	Patent families filed in two offices (per billion PPP\$ GDP)	1.4	24	67.3	7	
2.2 WORK AND INCLUSION  2.2.1 Employment rate of the population aged 20-64 (%)  2.2.2 Employment-to-population ratio gender gap 25+ (%)  2.2.3 Early childhood care and education (%)  2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  2.4 EQUALITY  2.5 Gini coefficient disposable income post taxes and transfers (35.9 44 64.7 ×)  2.1 Gini coefficient disposable income post taxes and transfers (35.9 44 64.7 ×)  2.1 Gini coefficient disposable income post taxes and transfers (35.9 44 64.7 ×)  2.1 Gini coefficient disposable income post taxes and transfers (35.9 44 64.7 ×)  2.1 Gini coefficient disposable income post taxes and transfers (35.9 44 64.7 ×)  3.1 Gini coefficient disposable income post taxes and transfers (35.9 44 64.7 ×)  3.1 Environmental transition  3.1 Cornes per capita)  3.2 BIODIVERSITY  2.1 76.2 -  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.2.3 Pesticide use per area of cropland (kg/ha)  3.1 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per kg)  3.2 BIODIVERSITY  3.3 RESOURCE PRODUCTIVITY: Energy productivity (PPPS per koe)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  4.1 FUNDAMENTAL RIGHTS  3.3 72.5 ×  4.1.1 Voice and accountability index (z-score)  4.1 EVINDAMENTAL RIGHTS  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.1 So.9 -  4.3 TRANSPARENCY  4.1 So.9 -  4.3 TRANSPARENCY  4.3 TRANSPARENCY  4.4 So.9 -  4.5 So.1 ×  4.5 So.1 ×  4.7 So. So. 42 So.1 ×  4.7 So. So. 42 So.1 ×  4.8 So.2 So.1 ×  4.9 So.2 So.1 ×  4.1 Corruption perceptions index (0-100)  4.2 Security Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.4 So.9 -  4.5 So.0 42 So.1 ×  4.5 So.1 ×  4.5 So.0 42 So.1 ×  4.5 So.1 ×  4.5 So.0 42 So.1 ×  4.5 So.1 ×  4.5 So.0 42 So.1 ×  4.5 So.	2.	Social transition		32	68.7	_	
2.2.1 Employment rate of the population aged 20-64 (%) 2.2.2 Employment-to-population ratio gender gap 25+ (%) 2.2.3 Early childhood care and education (%) 2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%) 2.4 EQUALITY 2.4.1 Gini coefficient disposable income post taxes and transfers (0-100) 2.4.2 Income share held by the poorest quintile (%) 3. Environmental transition 3. RESOUCTION: Gross greenhouse gas emissions (tonnes per capita) 3. BIODIVERSITY 3. Errestwater key biodiversity areas (KBAs) protected (%) 3. Fershwater key biodiversity areas (KBAs) protected (%) 3. RESOURCE PRODUCTIVITY: Resource productivity (PPPS per koe) 3. RESOURCE PRODUCTIVITY: Energy productivity (PPPS per koe) 4. Governance transition 4. Governance transition 4. FUNDAMENTAL RIGHTS 4. SECURITY: Homicide rate (per 100,000 inhabitants) 4. SECURITY: Homicide rate (per 100,000 inhabitants) 5. Corruption perceptions index (0-100) 5. Council and accountability index (0-100) 5. Council and accountabil	2.1	HEALTH: Healthy life expectancy at birth (years)	72.0	7	89.9	_	
2.2.2 Employment-to-population ratio gender gap 25+ (%) 2.3 Early childhood care and education (%) 61.8 25 69.7 -  2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%) 2.4 EQUALITY 2.4.1 Gini coefficient disposable income post taxes and transfers (0-100) 2.4.2 Income share held by the poorest quintile (%) 3. Environmental transition 3. T7.0 3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3.2 BIODIVERSITY 3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.2.3 Pesticide use per area of cropland (kg/ha) 3.1 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per kg) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 4. Governance transition 4.1 FUNDAMENTAL RIGHTS 4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 4.3 TRANSPARENCY 4.1 Sundamental for the following side (0-100) 4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 4.3 TRANSPARENCY 4.1 Sundamental ratio gender gap 25+ (%) 4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 4.3 TRANSPARENCY 4.3 Basel anti-money laundering index (0-100) 5.0 4.2 50.1	2.2	WORK AND INCLUSION		43	61.4	7	~
2.2.3 Early childhood care and education (%) 61.8 25 69.7 -  2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%) 49.7 39 63.1 7 48 61.0 1	2.2.1	Employment rate of the population aged 20-64 (%)	63.0	51	46.0	7	
2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%) 2.4 EQUALITY 2.4.1 Gini coefficient disposable income post taxes and transfers (0-100) 2.4.2 Income share held by the poorest quintile (%) 35.9 44 64.7 3  3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3.2 BIODIVERSITY 3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.2.3 Pesticide use per area of cropland (kg/ha) 3.1 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per koe) 3.2 RESOURCE PRODUCTIVITY: Energy productivity (PPPS per koe) 3.1 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 4.1 FUNDAMENTAL RIGHTS 4.1 Voice and accountability index (z-score) 4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 4.3 TRANSPARENCY 4.3 TRANSPARENCY 4.3.1 Corruption perceptions index (0-100) 5.0 42 50.1	2.2.2	Employment-to-population ratio gender gap 25+ (%)	19.1	47	72.8	7	
2.5 Free or non-remunerated time (%) 2.4 EQUALITY 2.4.1 Gini coefficient disposable income post taxes and transfers (0-100) 3.5. Environmental transition 3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3.2 BIODIVERSITY 3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.3.3 Pesticide use per area of cropland (kg/ha) 3.4 ENERGY PRODUCTIVITY: Resource productivity (PPPS per koe) 3.5 Environmental transition 3 77.0 ↑  3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3.2 BIODIVERSITY 3.2 BIODIVERSITY 3.2 BETWINDENTIAL RIGHTS 3.3 Pesticide use per area of cropland (kg/ha) 3.4 ENERGY PRODUCTIVITY: Resource productivity (PPPS per koe) 4.6 Governance transition 4.7 FUNDAMENTAL RIGHTS 4.8 Governance transition 4.1 FUNDAMENTAL RIGHTS 4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 4.3 TRANSPARENCY 4.4 50.9 −  4.3 TRANSPARENCY 4.1 So.9 −  4.3.1 Corruption perceptions index (0-100) 5.0 42 50.1 №	2.2.3	Early childhood care and education (%)	61.8	25	69.7	_	~
2.4.1 Gini coefficient disposable income post taxes and transfers (0-100) 2.4.2 Income share held by the poorest quintile (%)  5. Environmental transition 3 77.0  3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3.2 BIODIVERSITY 3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.2.3 Pesticide use per area of cropland (kg/ha) 3.2 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per kg) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 4. Governance transition 4.1 FUNDAMENTAL RIGHTS 4.1.1 Voice and accountability index (z-score) 4.1.2 Rule of law index (z-score) 4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 4.3 TRANSPARENCY 4.3 TRANSPARENCY 4.3 Basel anti-money laundering index (0-100) 5.0 42 50.1   3.5 Pool 44 64.7  3.7 Spool 5.0  3.7 Condition index (4.7 condition index (4.7 condition) 5.0 42 50.1   5.0 5.0  5.0 5.	2.3		49.7	39	63.1	7	
2.4.1 (0-100) 2.4.2 Income share held by the poorest quintile (%)  5. Environmental transition 3. 77.0 ↑  3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3.2 BIODIVERSITY 3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.2.3 Pesticide use per area of cropland (kg/ha) 3.1 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per kg) 3.2 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 4. Governance transition 4.1 FUNDAMENTAL RIGHTS 4.1.1 Voice and accountability index (z-score) 4.1.2 Rule of law index (z-score) 4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 4.3 TRANSPARENCY 4.1 50.9 4.3.1 Corruption perceptions index (0-100) 5.0 42 50.1	2.4	EQUALITY		48	61.0	Ŋ	
5.       Environmental transition       3       77.0       ↑         3.1       EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)       7.3       33       69.6       ౫         3.2       BIODIVERSITY       21       76.2       -         3.2.1       Terrestrial key biodiversity areas (KBAs) protected (%)       77.9       21       77.9       -         3.2.2       Freshwater key biodiversity areas (KBAs) protected (%)       84.7       17       84.7       -         3.2.3       Pesticide use per area of cropland (kg/ha)       6.1       52       56.1       ↑         3.3       RESOURCE PRODUCTIVITY: Resource productivity       5.0       5       83.1       ↑         4.       ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)       15.8       9       79.1       ↑         4.       Governance transition       37       66.2       -         4.1       FUNDAMENTAL RIGHTS       33       72.5       ¾         4.1.1       Voice and accountability index (z-score)       1.0       23       85.2       -         4.1.2       Rule of law index (z-score)       0.2       41       59.7       ↓         4.2       SECURITY: Homicide rate (per 100,000 inhabitants)	2.4.1		35.9	44	64.7	7	~~
3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3.2 BIODIVERSITY 2.1 76.2 - 3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.2.3 Pesticide use per area of cropland (kg/ha) 3.2 RESOURCE PRODUCTIVITY: Resource productivity (PPPŞ per kg) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPŞ per koe) 4. Governance transition 5.0 5 83.1 ↑  4.1 FUNDAMENTAL RIGHTS 3.3 72.5 4.1.1 Voice and accountability index (z-score) 4.1 FUNDAMENTAL RIGHTS 4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 4.3 TRANSPARENCY 4.3 TRANSPARENCY 4.3.1 Corruption perceptions index (0-100) 4.3.2 Basel anti-money laundering index (0-101) 5.0 42 50.1	2.4.2	Income share held by the poorest quintile (%)	6.0	52	50.0	7	~~
3.2 BIODIVERSITY  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.2.3 Pesticide use per area of cropland (kg/ha)  3.4 RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per koe)  3.5 RESOURCE PRODUCTIVITY: Energy productivity (PPP\$ per koe)  3.6 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)  3.7 G6.2  4.1 FUNDAMENTAL RIGHTS  3.3 72.5  4.1.1 Voice and accountability index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  4.3.2 Basel anti-money laundering index (0-10)  5.0 42 50.1	3.	Environmental transition		3	77.0	<b>1</b>	
3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.2.3 Pesticide use per area of cropland (kg/ha) 3.5 RESOURCE PRODUCTIVITY: Resource productivity (PPPŞ per kg) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPŞ per koe) 4. Governance transition 4.1 FUNDAMENTAL RIGHTS 4.1.1 Voice and accountability index (z-score) 4.1.2 Rule of law index (z-score) 4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 4.3 TRANSPARENCY 4.3.1 Corruption perceptions index (0-100) 4.3.2 Basel anti-money laundering index (0-10) 5.0 42 50.1 77.9 77.9 77.9 77.9 77.9 77.9 77.9 77	3.1		7.3	33	69.6	7	
3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.2.3 Pesticide use per area of cropland (kg/ha) 3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPPŞ per kg) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPŞ per koe) 4. Governance transition 4.1 FUNDAMENTAL RIGHTS 4.1.1 Voice and accountability index (z-score) 4.1.2 Rule of law index (z-score) 4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 4.3 TRANSPARENCY 4.3.1 Corruption perceptions index (0-100) 4.3.2 Basel anti-money laundering index (0-10) 5.0 42 50.1 ★ 54.7 ★ 56.1 ↑ 52.5 ★ 56.1 ↑ 52.5 ★ 56.1 ↑ 52.5 ★ 56.1 ↑ 52.5 ★ 56.1 ↑ 52.5 ★ 56.1 ↑ 52.5 ★ 56.1 ↑ 52.5 ★ 56.1 ↑ 52.5 ★ 56.1 ↑ 52.5 ★ 56.1 ↑ 52.5 ★ 56.1 ↑ 52.5 ★ 56.1 ↑ 52.5 ★ 56.1 ↑ 52.5 ★ 56.1 ↑ 52.5 ★ 56.1 ↑ 52.5 ★ 56.1 ↑ 52.5 ★ 56.1 ↑ 56.2 ↑ 56.1 ↑ 57.5 ★ 56.2 ↑ 57.5 ★ 57.	3.2	BIODIVERSITY		21	76.2	-	$\sqrt{}$
3.2.3 Pesticide use per area of cropland (kg/ha)  3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)  4. Governance transition  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3 TRANSPARENCY  4.3 Basel anti-money laundering index (0-10)  5.0 42  5.1 ↑  6.1 52  56.1 ↑  6.2 ↑  7.	3.2.1	Terrestrial key biodiversity areas (KBAs) protected (%)	77.9	21	77.9	-	
3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)  4. Governance transition  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3 Corruption perceptions index (0-100)  52.0 36 52.0 ↑  4.3.2 Basel anti-money laundering index (0-10)	3.2.2	Freshwater key biodiversity areas (KBAs) protected (%)	84.7	17	84.7	-	
3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)  4. Governance transition  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  4.3.2 Basel anti-money laundering index (0-10)  5.0 42  5.0 5  85.1 ↑  79.1 ↑  70.1 ↑  70.1 ↑  70.2 ↑  70.3 ↑  70.4 ↑  70.5 ↑  70.6 ↑  70.7 ↑  70.7 ↑  70.7 ↑  70.8 ↑  70.8 ↑  70.9 ↑	3.2.3	Pesticide use per area of cropland (kg/ha)	6.1	52	56.1	<b>1</b>	$\sqrt{}$
4.1 FUNDAMENTAL RIGHTS  4.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3 Corruption perceptions index (0-100)  4.3.2 Basel anti-money laundering index (0-10)  4.5 Total Pund Para San San San San San San San San San Sa	3.3		5.0	5	83.1	<b>1</b>	
4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3 Corruption perceptions index (0-100)  4.3.2 Basel anti-money laundering index (0-10)  52.0 36 52.0 ↑  4.3.2 Basel anti-money laundering index (0-10)	3.4	ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)	15.8	9	79.1	<b>↑</b>	
4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  4.3.2 Basel anti-money laundering index (0-10)  5.0 42 50.1 ■	4.	Governance transition		37	66.2	-	~~
4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  4.3.2 Basel anti-money laundering index (0-10)  4.3.3 TRANSPARENCY  4.3.4 Solution perceptions index (0-100)  5.0 42 Solution perceptions index (0-10)	4.1	FUNDAMENTAL RIGHTS		33	72.5	7	~~~
4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  4.3.2 Basel anti-money laundering index (0-10)  52.0 36 52.0 ↑  5.0 42 50.1 ▶	4.1.1	Voice and accountability index (z-score)	1.0	23	85.2	-	
4.3       TRANSPARENCY       41       50.9       -         4.3.1       Corruption perceptions index (0-100)       52.0       36       52.0       ↑         4.3.2       Basel anti-money laundering index (0-10)       5.0       42       50.1       ¥	4.1.2	Rule of law index (z-score)	0.2	41	59.7	$\downarrow$	~~
4.3.1 Corruption perceptions index (0-100)       52.0       36       52.0       ↑         4.3.2 Basel anti-money laundering index (0-10)       5.0       42       50.1       ¥	4.2	SECURITY: Homicide rate (per 100,000 inhabitants)	0.6	9	87.5	-	
4.3.2 Basel anti-money laundering index (0-10)  5.0 42  50.1	4.3	TRANSPARENCY		41	50.9	_	
	4.3.1	Corruption perceptions index (0-100)	52.0	36	52.0	<b>1</b>	
4.4 SOUND PUBLIC FINANCES: Government gross debt (% of GDP) 134.8 70 29.2	4.3.2	Basel anti-money laundering index (0-10)	5.0	42	50.1	7	
	4.4	SOUND PUBLIC FINANCES: Government gross debt (% of GDP)	134.8	70	29.2	$\downarrow$	

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

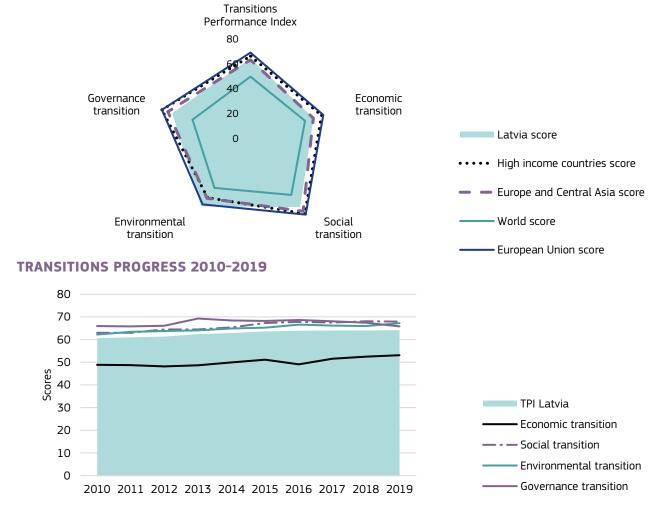
Note: Progress lines use automatic scaling.



<b>LATVIA</b>			
POPULATION (million inhabitants)	1.9	GDP PER CAPITA (current PPP\$)	31 402.3
GROSS DOMESTIC PRODUCT (GDP) (billion PPP\$)	60.6	TRADE (% of GDP)	119.7
SUMMARY INNOVATION INDEX (0-100)	32.0	DIGITAL ECONOMY AND SOCIETY INDEX (0-100)	50.7

2019	TPI	TRANSITIONS					
2019	IPI	ECONOMIC SOCIAL		ENVIRONMENTAL	GOVERNANCE		
Latvia ranks	23	32	34	11	38		
Latvia score	64.2	53.1	67.9	67.2	65.8		
World weighted average score	49.7	46.1	55.8	48.9	48.8		
High income countries score	66.0	60.0	74.4	58.4	74.5		
Europe and Central Asia score	63.1	53.1	72.0	59.1	69.5		
European Union score	68.8	61.4	75.4	65.2	74.5		

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]





LATVIA		2	019	2010-2019	
		VALUE	RANK	SCORE	SCORE PROGRESS
TRANS	ITIONS PERFORMANCE INDEX		23	64.2	-
1.	Economic transition		32	53.1	7
1.1	EDUCATION: Government expenditure in education per student (% of GDP per capita)	23.3	3	93.0	-
1.2	WEALTH: GDP per capita, current dollars (PPP\$)	31 402.3	38	41.9	<b>↑</b>
1.3	LABOUR PRODUCTIVITY & R&D INTENSITY		45	24.2	<b>↑</b> / / /
1.3.1	Output per worker (2011 constant GDP PPP\$)	57 205.8	42	38.1	<b>↑</b>
1.3.2	Gross expenditure on R&D (% of GDP)	0.5	57	10.2	<b>↓</b>
1.4	INDUSTRIAL BASE		49	40.0	<b>V</b>
1.4.1	Gross value added of manufacturing (% of GDP)	10.2	55	34.0	<b>V</b>
1.4.2	Patent families filed in two offices (per billion PPP\$ GDP)	0.4	36	48.9	7 K
2.	Social transition		34	67.9	7
2.1	HEALTH: Healthy life expectancy at birth (years)	62.4	60	57.9	7
2.2	WORK AND INCLUSION		18	76.5	<b>↑</b>
2.2.1	Employment rate of the population aged 20-64 (%)	76.8	20	73.6	<b>↑</b>
2.2.2	Employment-to-population ratio gender gap 25+ (%)	12.4	21	82.3	у к
2.2.3	Early childhood care and education (%)	62.3	24	70.5	<b>↑</b>
2.3	FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)	58.6	17	79.2	7
2.4	EQUALITY		41	63.7	~~
2.4.1	Gini coefficient disposable income post taxes and transfers (0-100)	35.6	42	65.3	<u>v</u>
2.4.2	Income share held by the poorest quintile (%)	6.7	38	58.8	7
3.	Environmental transition		11	67.2	7
3.1	EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)	6.1	22	74.6	7 V
3.2	BIODIVERSITY		2	96.3	٧ ٧٠
3.2.1	Terrestrial key biodiversity areas (KBAs) protected (%)	97.3	3	97.3	
3.2.2	Freshwater key biodiversity areas (KBAs) protected (%)	97.5	5	97.5	-
3.2.3	Pesticide use per area of cropland (kg/ha)	1.1	19	91.9	7 R
3.3	RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)	2.2	35	36.1	^ <b>~~~</b>
3.4	ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)	12.4	29	61.8	1
4.	Governance transition		38	65.8	<u>и</u> и
4.1	FUNDAMENTAL RIGHTS		30	81.1	- ~~~
4.1.1	Voice and accountability index (z-score)	0.8	32	79.2	- ~~~
4.1.2	Rule of law index (z-score)	1.0	31	83.1	- ~~~
4.2	SECURITY: Homicide rate (per 100,000 inhabitants)	4.4	59	53.5	<b>V</b>
4.3	TRANSPARENCY		38	53.9	
4.3.1	Corruption perceptions index (0-100)	58.0	31	58.0	<b>↑</b>
4.3.2	Basel anti-money laundering index (0-10)	4.9	37	51.1	<u>v</u> <u>v</u>
4.4	SOUND PUBLIC FINANCES: Government gross debt (% of GDP)	36.4	20	92.6	7
Trancit	tion leader [75-100] Strong transition [65-75] Good transition [55-65]	Madarata transition [4	C CC!	Work transit	ion [O 4E]

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

Note: Progress lines use automatic scaling.

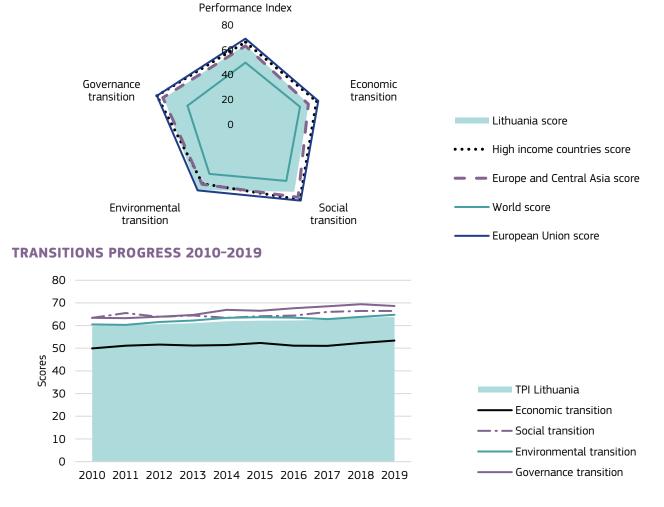


LITHUANIA			
POPULATION (million inhabitants)	2.8	GDP PER CAPITA (current PPP\$)	36 700.7
GROSS DOMESTIC PRODUCT (GDP) (billion PPP\$)	102.2	TRADE (% of GDP)	150.6
SUMMARY INNOVATION INDEX (0-100)	40.4	DIGITAL ECONOMY AND SOCIETY INDEX (0-100)	53.9

2019	TPI	TRANSITIONS					
2019	IPI	ECONOMIC SOCIAL		ENVIRONMENTAL	GOVERNANCE		
Lithuania ranks	25	31	37	16	33		
Lithuania score	63.8	53.4	66.4	64.8	68.6		
World weighted average score	49.7	46.1	55.8	48.9	48.8		
High income countries score	66.0	60.0	74.4	58.4	74.5		
Europe and Central Asia score	63.1	53.1	72.0	59.1	69.5		
European Union score	68.8	61.4	75.4	65.2	74.5		

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

Transitions





LITHUANIA		2	2019	2010-2019	
		VALUE	RANK	SCORE	SCORE PROGRESS
TRANS	ITIONS PERFORMANCE INDEX		25	63.8	7
1.	Economic transition		31	53.4	7 /
1.1	EDUCATION: Government expenditure in education per student (% of GDP per capita)	18.1	22	72.3	<b>4</b>
1.2	WEALTH: GDP per capita, current dollars (PPP\$)	36 700.7	31	48.9	<b>↑</b>
1.3	LABOUR PRODUCTIVITY & R&D INTENSITY		39	31.0	1
1.3.1	Output per worker (2011 constant GDP PPP\$)	66 540.6	34	44.4	<b>↑</b>
1.3.2	Gross expenditure on R&D (% of GDP)	0.9	40	17.7	<b>↑</b>
1.4	INDUSTRIAL BASE		25	52.3	-
1.4.1	Gross value added of manufacturing (% of GDP)	16.2	23	54.0	7
1.4.2	Patent families filed in two offices (per billion PPP\$ GDP)	0.4	35	49.8	1
2.	Social transition		37	66.4	- /
2.1	HEALTH: Healthy life expectancy at birth (years)	61.9	61	56.5	<b>↑</b>
2.2	WORK AND INCLUSION		23	74.8	<b>↑</b>
2.2.1	Employment rate of the population aged 20-64 (%)	77.8	18	75.6	<b>↑</b>
2.2.2	Employment-to-population ratio gender gap 25+ (%)	12.4	22	82.3	Z
2.2.3	Early childhood care and education (%)	54.9	37	58.2	<b>↑</b>
2.3	FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)	60.4	11	82.6	7
2.4	EQUALITY		49	59.6	<b>*</b> ~
2.4.1	Gini coefficient disposable income post taxes and transfers (0-100)	37.3	49	61.6	<b>+</b>
2.4.2	Income share held by the poorest quintile (%)	6.3	48	53.8	у /\
3.	Environmental transition		16	64.8	7
3.1	EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)	7.3	33	69.6	и <u>V</u>
3.2	BIODIVERSITY		5	92.3	٧ <u> </u>
3.2.1	Terrestrial key biodiversity areas (KBAs) protected (%)	90.5	7	90.5	- /
3.2.2	Freshwater key biodiversity areas (KBAs) protected (%)	95.2	6	95.2	- /
3.2.3	Pesticide use per area of cropland (kg/ha)	1.4	21	90.0	<u>v</u>
3.3	RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)	2.1	37	34.3	<b>↑</b>
3.4	ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)	12.6	27	62.9	<b>↑</b>
4.	Governance transition		33	68.6	7
4.1	FUNDAMENTAL RIGHTS		28	82.6	
4.1.1	Voice and accountability index (z-score)	0.9	29	82.2	
4.1.2	Rule of law index (z-score)	1.0	30	83.1	
4.2	SECURITY: Homicide rate (per 100,000 inhabitants)	4.6	61	52.4	<b>↑</b>
4.3	TRANSPARENCY		19	62.3	7
4.3.1	Corruption perceptions index (0-100)	59.0	28	59.0	7
4.3.2	Basel anti-money laundering index (0-10)	3.6	7	64.5	7
4.4	SOUND PUBLIC FINANCES: Government gross debt (% of GDP)	34.1	17	94.1	- ~~
Tranci	tion leader [75-100] Strong transition [65-75] Good transition [55-65]	Moderate transition [	15_55[	Wook transit	ion [0_45]

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

Note: Progress lines use automatic scaling.

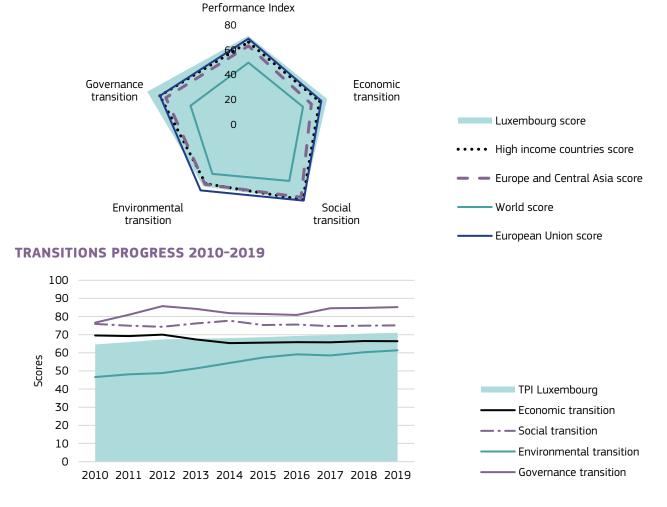


<b>LUXEMBOURG</b>			
POPULATION (million inhabitants)	0.6	GDP PER CAPITA (current PPP\$)	108 950.7
GROSS DOMESTIC PRODUCT (GDP) (billion PPP\$)	66.8	TRADE (% of GDP)	381.5
SUMMARY INNOVATION INDEX (0-100)	63.9	DIGITAL ECONOMY AND SOCIETY INDEX (0-100)	57.9

2019	TPI	TRANSITIONS					
2019	IPI	ECONOMIC SOCIAL		ENVIRONMENTAL	GOVERNANCE		
Luxembourg ranks	10	13	23	26	3		
Luxembourg score	71.1	66.3	75.1	61.3	85.2		
World weighted average score	49.7	46.1	55.8	48.9	48.8		
High income countries score	66.0	60.0	74.4	58.4	74.5		
Europe and Central Asia score	63.1	53.1	72.0	59.1	69.5		
European Union score	68.8	61.4	75.4	65.2	74.5		

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

**Transitions** 





LUXEMBOURG		2	2019		2010-2019	
		VALUE	RANK	SCORE	SCO	ORE PROGRESS
TRANS	ITIONS PERFORMANCE INDEX		10	71.1	7	
1.	Economic transition		13	66.3	7	~
1.1	EDUCATION: Government expenditure in education per student (% of GDP per capita)	16.7	32	66.7	<b>\</b>	~
1.2	WEALTH: GDP per capita, current dollars (PPP\$)	108 950.7	1	100.0	-	
1.3	LABOUR PRODUCTIVITY & R&D INTENSITY		10	62.6	7	<b>\</b>
1.3.1	Output per worker (2011 constant GDP PPP\$)	199 367.5	1	100.0	-	
1.3.2	Gross expenditure on R&D (% of GDP)	1.3	30	25.1	$\mathbf{\downarrow}$	
1.4	INDUSTRIAL BASE		37	46.1	-	~
1.4.1	Gross value added of manufacturing (% of GDP)	4.6	71	15.3	$\mathbf{\downarrow}$	~~
1.4.2	Patent families filed in two offices (per billion PPP\$ GDP)	9.0	3	92.2	7	
2.	Social transition		23	75.1	7	<b>✓</b>
2.1	HEALTH: Healthy life expectancy at birth (years)	71.1	18	87.0	_	
2.2	WORK AND INCLUSION		12	78.2	<b>1</b>	
2.2.1	Employment rate of the population aged 20-64 (%)	72.1	36	64.2	_	<b>~~~</b>
2.2.2	Employment-to-population ratio gender gap 25+ (%)	10.5	11	85.1	<b>1</b>	
2.2.3	Early childhood care and education (%)	75.4	9	92.3	<b>1</b>	<b>/</b>
2.3	FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)	57.0	21	76.4	_	
2.4	EQUALITY		39	64.2	<b>4</b>	~~
2.4.1	Gini coefficient disposable income post taxes and transfers (0-100)	34.9	40	66.9	<b>\</b>	\\
2.4.2	Income share held by the poorest quintile (%)	6.5	45	56.3	$\downarrow$	<b>~</b>
3.	Environmental transition		26	61.3	<b>1</b>	
3.1	EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)	20.0	70	16.7	7	
3.2	BIODIVERSITY		30	64.2	<b>1</b>	
3.2.1	Terrestrial key biodiversity areas (KBAs) protected (%)	83.3	14	83.3	<b>1</b>	
3.2.2	Freshwater key biodiversity areas (KBAs) protected (%)	37.1	41	37.1	_	
3.2.3	Pesticide use per area of cropland (kg/ha)	2.8	39	80.1	Z	
3.3	RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)	4.8	6	80.5	<b>1</b>	$\sim$
3.4	ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)	16.8	7	83.8	<b>1</b>	
4.	Governance transition		3	85.2	7	/
4.1	FUNDAMENTAL RIGHTS		8	95.3	Z	~
4.1.1	Voice and accountability index (z-score)	1.6	8	94.1	Z	<b>~~</b>
4.1.2	Rule of law index (z-score)	1.8	10	96.5	7	<b>~</b>
4.2	SECURITY: Homicide rate (per 100,000 inhabitants)	0.3	3	91.9	<b>1</b>	/
4.3	TRANSPARENCY		15	63.5	7	
4.3.1	Corruption perceptions index (0-100)	81.0	9	81.0	-	
4.3.2	Basel anti-money laundering index (0-10)	4.8	34	51.8	<b>1</b>	
4.4	SOUND PUBLIC FINANCES: Government gross debt (% of GDP)	21.0	1	100.0		
Tunnaid	in land [75 100]	NA - de combre de compressión de la compressión del compressión de la compressión de		WI-+	[0 4	

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

Note: Progress lines use automatic scaling.

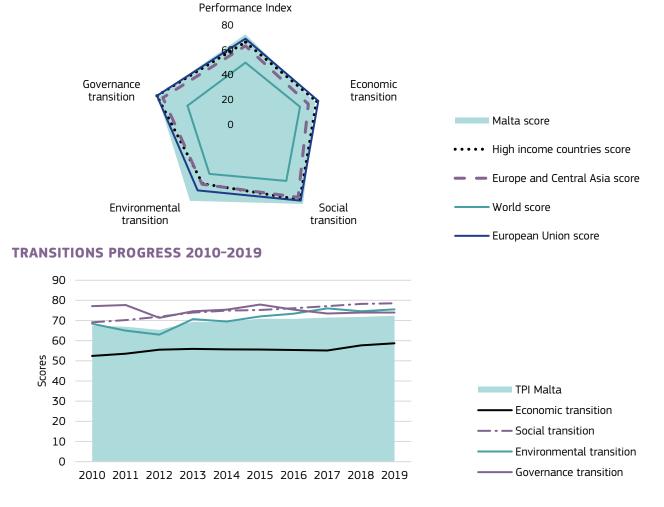


MALTA			
POPULATION (million inhabitants)	0.5	GDP PER CAPITA (current PPP\$)	47 405.0
GROSS DOMESTIC PRODUCT (GDP) (billion PPP\$)	23.0	TRADE (% of GDP)	261.0
SUMMARY INNOVATION INDEX (0-100)	42.6	DIGITAL ECONOMY AND SOCIETY INDEX (0-100)	62.7

TDI	TRANSITIONS				
IPI	ECONOMIC	SOCIAL	ENVIRONMENTAL	GOVERNANCE	
8	23	16	4	22	
72.4	58.7	78.6	75.6	74.0	
49.7	46.1	55.8	48.9	48.8	
66.0	60.0	74.4	58.4	74.5	
63.1	53.1	72.0	59.1	69.5	
68.8	61.4	75.4	65.2	74.5	
	72.4 49.7 66.0 63.1	8     23       72.4     58.7       49.7     46.1       66.0     60.0       63.1     53.1	TPI           ECONOMIC         SOCIAL           8         23         16           72.4         58.7         78.6           49.7         46.1         55.8           66.0         60.0         74.4           63.1         53.1         72.0	TPI           ECONOMIC         SOCIAL         ENVIRONMENTAL           8         23         16         4           72.4         58.7         78.6         75.6           49.7         46.1         55.8         48.9           66.0         60.0         74.4         58.4           63.1         53.1         72.0         59.1	

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

Transitions





MALTA		2	2019		2010-2019	
		VALUE	RANK	SCORE	SCORE	PROGRESS
TRANS	ITIONS PERFORMANCE INDEX		8	72.4	7 —	<b>/</b>
1.	Economic transition		23	58.7	7 /	/
1.1	EDUCATION: Government expenditure in education per student (% of GDP per capita)	20.8	11	83.0	- /	<b>√</b> √
1.2	WEALTH: GDP per capita, current dollars (PPP\$)	47 405.0	19	63.2	<b>1</b> _	
1.3	LABOUR PRODUCTIVITY & R&D INTENSITY		33	33.9	<b>↑</b> _	~~
1.3.1	Output per worker (2011 constant GDP PPP\$)	85 556.4	20	57.0	<b>1</b> _	
1.3.2	Gross expenditure on R&D (% of GDP)	0.5	55	10.8	<b>↓</b> /	~
1.4	INDUSTRIAL BASE		33	48.0	<u>ل</u>	~
1.4.1	Gross value added of manufacturing (% of GDP)	7.2	66	24.0	<b>↓</b> _	
1.4.2	Patent families filed in two offices (per billion PPP\$ GDP)	4.9	10	84.1	<b>1</b>	
2.	Social transition		16	78.6	<b>↑</b> _	
2.1	HEALTH: Healthy life expectancy at birth (years)	71.3	16	87.7		
2.2	WORK AND INCLUSION		26	72.8	<b>1</b>	
2.2.1	Employment rate of the population aged 20-64 (%)	75.5	24	71.0	<b>1</b>	
2.2.2	Employment-to-population ratio gender gap 25+ (%)	24.0	56	65.7	<b>1</b>	
2.2.3	Early childhood care and education (%)	74.6	10	90.9	71 _	
2.3	FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)	53.7	33	70.4	<b>↑</b>	
2.4	EQUALITY		14	80.0	\ \ \ \	
2.4.1	Gini coefficient disposable income post taxes and transfers (0-100)	29.2	14	79.6	<u>ہ</u> ۔	\\
2.4.2	Income share held by the poorest quintile (%)	8.5	14	81.3	- ^	
3.	Environmental transition		4	75.6	7	
3.1	EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)	5.5	17	77.1	<b>↑</b> _	
3.2	BIODIVERSITY		29	66.2		
3.2.1	Terrestrial key biodiversity areas (KBAs) protected (%)	99.3	1	99.3		
3.2.2	Freshwater key biodiversity areas (KBAs) protected (%)	N/A	N/A	N/A	<b>↑</b> -	
3.2.3	Pesticide use per area of cropland (kg/ha)	15.4	64	0.0	<b>⊿</b> —	
3.3	RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)	3.5	12	58.9	<b>↓</b> \	\\\
3.4	ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)	28.7	1	100.0	<b>^</b> _	
4.	Governance transition		22	74.0	<b>V</b>	V
4.1	FUNDAMENTAL RIGHTS		22	86.2	<u>ч</u> ~	~~
4.1.1	Voice and accountability index (z-score)	1.1	20	86.9	<u>ч</u> ~	~
4.1.2	Rule of law index (z-score)	1.1	26	85.4	<u>∨</u> ~	~~
4.2	SECURITY: Homicide rate (per 100,000 inhabitants)	1.6	41	73.6	<u>v</u> ~	
4.3	TRANSPARENCY		28	58.0	<u>ы</u> —	
4.3.1	Corruption perceptions index (0-100)	54.0	35	54.0	<b>y</b> —	~~~
4.3.2	Basel anti-money laundering index (0-10)	3.9	12	60.6	<u>ы</u> —	~~
4.4	SOUND PUBLIC FINANCES: Government gross debt (% of GDP)	45.8	29	86.6	<b>1</b>	
Trancit	tion leader [75-100] Strong transition [65-75] Good transition [55-65]	Moderate transition [	45_55[	Wook transit		_

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

Note: Progress lines use automatic scaling.

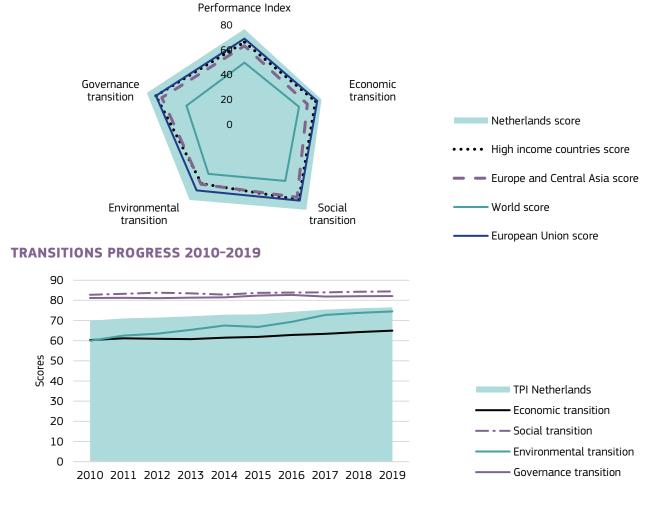


<b>NETHERLANDS</b>			
POPULATION (million inhabitants)	17.2	GDP PER CAPITA (current PPP\$)	58 340.7
GROSS DOMESTIC PRODUCT (GDP) (billion PPP\$)	1 005.3	TRADE (% of GDP)	154.3
SUMMARY INNOVATION INDEX (0-100)	64.8	DIGITAL ECONOMY AND SOCIETY INDEX (0-100)	67.7

2019	TPI	TRANSITIONS					
2019	3	ECONOMIC	SOCIAL	ENVIRONMENTAL	GOVERNANCE		
Netherlands ranks		17	4	5	7		
Netherlands score	76.5	65.0	84.5	74.5	82.1		
World weighted average score	49.7	46.1	55.8	48.9	48.8		
High income countries score	66.0	60.0	74.4	58.4	74.5		
Europe and Central Asia score	63.1	53.1	72.0	59.1	69.5		
European Union score	68.8	61.4	75.4	65.2	74.5		

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

Transitions





NETHERLANDS		2	2019	2010-2019	
		VALUE	RANK	SCORE	SCORE PROGRESS
TRANS	ITIONS PERFORMANCE INDEX		3	76.5	7
1.	Economic transition		17	65.0	7
1.1	EDUCATION: Government expenditure in education per student (% of GDP per capita)	18.3	21	73.2	у к
1.2	WEALTH: GDP per capita, current dollars (PPP\$)	58 340.7	8	77.8	<b>↑</b>
1.3	LABOUR PRODUCTIVITY & R&D INTENSITY		17	52.4	7
1.3.1	Output per worker (2011 constant GDP PPP\$)	97 622.5	10	65.1	7
1.3.2	Gross expenditure on R&D (% of GDP)	2.0	17	39.8	1
1.4	INDUSTRIAL BASE		18	56.7	- ~
1.4.1	Gross value added of manufacturing (% of GDP)	11.0	52	36.7	- ~
1.4.2	Patent families filed in two offices (per billion PPP\$ GDP)	6.0	9	86.6	- /
2.	Social transition		4	84.5	- //
2.1	HEALTH: Healthy life expectancy at birth (years)	71.3	15	87.7	-
2.2	WORK AND INCLUSION		7	83.0	-
2.2.1	Employment rate of the population aged 20-64 (%)	79.2	10	78.4	7
2.2.2	Employment-to-population ratio gender gap 25+ (%)	12.8	25	81.7	-
2.2.3	Early childhood care and education (%)	76.9	5	94.8	- ^
2.3	FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)	62.4	6	86.1	- /~/
2.4	EQUALITY		12	82.1	У К
2.4.1	Gini coefficient disposable income post taxes and transfers (0-100)	28.5	11	81.1	٨ ٧
2.4.2	Income share held by the poorest quintile (%)	8.8	11	85.0	У К
3.	Environmental transition		5	74.5	1
3.1	EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)	12.0	59	50.0	1
3.2	BIODIVERSITY		14	82.3	-
3.2.1	Terrestrial key biodiversity areas (KBAs) protected (%)	90.6	6	90.6	-
3.2.2	Freshwater key biodiversity areas (KBAs) protected (%)	93.4	9	93.4	-
3.2.3	Pesticide use per area of cropland (kg/ha)	7.9	57	43.6	↑
3.3	RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)	6.2	1	100.0	1
3.4	ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)	13.2	24	65.8	1
4.	Governance transition		7	82.1	
4.1	FUNDAMENTAL RIGHTS		7	95.5	- /~~
4.1.1	Voice and accountability index (z-score)	1.6	7	94.5	-
4.1.2	Rule of law index (z-score)	1.8	9	96.5	<u>и</u> и
4.2	SECURITY: Homicide rate (per 100,000 inhabitants)	0.6	11	87.2	
4.3	TRANSPARENCY		14	63.6	7
4.3.1	Corruption perceptions index (0-100)	82.0	8	82.0	<u>и</u> и
4.3.2	Basel anti-money laundering index (0-10)	4.9	36	51.4	٧ لا
4.4	SOUND PUBLIC FINANCES: Government gross debt (% of GDP)	52.4	36	82.3	-

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

Note: Progress lines use automatic scaling.

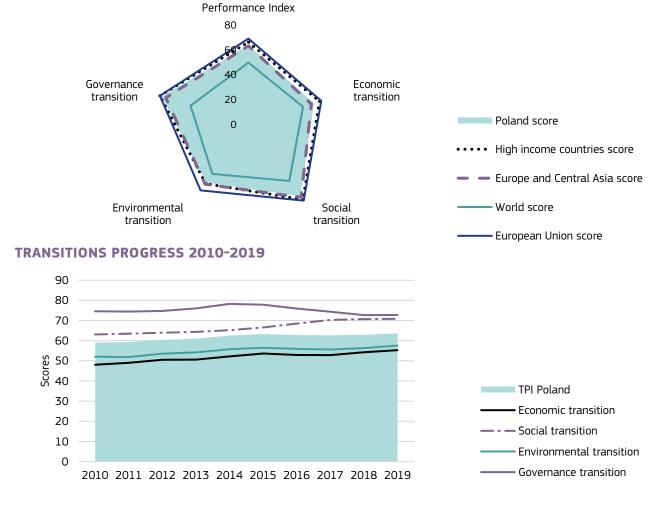


<b>POLAND</b>			
POPULATION (million inhabitants)	38.0	GDP PER CAPITA (current PPP\$)	33 890.6
GROSS DOMESTIC PRODUCT (GDP) (billion PPP\$)	1 286.9	TRADE (% of GDP)	106.2
SUMMARY INNOVATION INDEX (0-100)	29.9	DIGITAL ECONOMY AND SOCIETY INDEX (0-100)	45.0

TDI	TRANSITIONS					
IPI	ECONOMIC SOCIAL		ENVIRONMENTAL	GOVERNANCE		
26	27	30	32	26		
63.6	55.3	70.8	57.6	72.8		
49.7	46.1	55.8	48.9	48.8		
66.0	60.0	74.4	58.4	74.5		
63.1	53.1	72.0	59.1	69.5		
68.8	61.4	75.4	65.2	74.5		
	63.6 49.7 66.0 63.1	26     27       63.6     55.3       49.7     46.1       66.0     60.0       63.1     53.1	TPI           ECONOMIC         SOCIAL           26         27         30           63.6         55.3         70.8           49.7         46.1         55.8           66.0         60.0         74.4           63.1         53.1         72.0	TPI           ECONOMIC         SOCIAL         ENVIRONMENTAL           26         27         30         32           63.6         55.3         70.8         57.6           49.7         46.1         55.8         48.9           66.0         60.0         74.4         58.4           63.1         53.1         72.0         59.1		

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

Transitions





1.	POLAND		2	2019			2010-2019	
1. Economic transition  1.1 EDUCATION. Comment expenditure in education per student (% of GDP per capita)  1.2 WEALTH: GDP per capita, current dollars (PPP\$)  1.3 ABOUR PRODUCTIVITY & R&D INTENSITY  1.3 LABOUR PRODUCTIVITY & R&D INTENSITY  1.3.1 Output per worker (2011 constant GDP PPP\$)  1.0 36 4872 35 45.0 ↑  1.1.3.1 Output per worker (2011 constant GDP PPP\$)  1.0 36 20.7 ↑  1.1.3.1 Output per worker (2011 constant GDP PPP\$)  1.0 36 20.7 ↑  1.1.4 INDUSTRIAL BASE  1.4.1 Gross value added of manufacturing (% of GDP)  1.4.2 Patent Families filed in two offices (per billion PPPS GDP)  2. Social transition  2. Social transition  2. WORK AND INCLUSION  2. UNK AND INCLUSION  2. Employment rate of the population aged 20-64 (%)  2. Employment rate of the population aged 20-64 (%)  2. Employment-to-population ratio gender gap 25+ (%)  2. Employment-to-population ratio gender gap 25+ (%)  2. Employment rate of the population ratio gender gap 25+ (%)  2. Employment rate of the population gaped 20-64 (%)  2. Employment rate of the population gaped 20-64 (%)  2. Employment rate of the population gaped 20-64 (%)  2. Employment rate of the population gaped 20-64 (%)  2. Employment rate of the population gaped 20-64 (%)  2. Employment rate of the population gaped 20-64 (%)  2. Employment rate of the population gaped 20-64 (%)  2. Employment rate of the population gaped 20-64 (%)  2. Employment rate of the population gaped 20-64 (%)  2. Employment rate of the population gaped 20-64 (%)  2. Employment rate of the population gaped 20-64 (%)  3. Employment rate of the population gaped 20-64 (%)  3. Employment rate of gaped	POLAND		VALUE	RANK	SCORE	SCOR	E PROGRESS	
11   EDUCATION: Government expenditure in education per student	TRANS	ITIONS PERFORMANCE INDEX		26	63.6	7 _	/	
11 (% of GDP per capita)  12 WEALTH: GDP per capita, current dollars (PPPS)  13 LABOUR PRODUCTIVITY & R&D INTENSITY  13.1 Output per worker (2011 constant GDP PPPS)  13.2 Gross expenditure on R&D (% of GDP)  14.1 INDUSTRIAL BASE  14.2 Patent families filed in two offices (per billion PPPS GDP)  14.2 Patent families filed in two offices (per billion PPPS GDP)  14.3 Social transition  15.2 WORK AND INCLUSION  16.4 WORK AND INCLUSION  17.9 WORK AND INCLUSION  18.5 Social transition  18.6 CFE CONTINUES (% of GDP)  18.7 Social transition  18.6 CFE CONTINUES (% of GDP)  18.7 Social transition  18.7 Social transition  18.8 Social transition  18.8 Social transition  18.9 Social transition  18.1 Social transition  18.1 Social transition  18.1 Social transition  18.2 WORK AND INCLUSION  18.3 Social transition  18.4 Social transition  18.5 Social transition  19.5 Soci	1.	Economic transition		27	55.3	1		
1.3 LABOUR PRODUCTIVITY & R&D INTENSITY 1.3.1 Output per worker (2011 constant GDP PPPS) 1.3.2 Gross expenditure on R&D (% of GDP) 1.0 36 20.7 ↑ 1.1.3 INDUSTRIAL BASE 1.4.1 Gross value added of manufacturing (% of GDP) 1.6.8 20 56.0 ⅓ 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 1.4.2 Employment rate of the population aged 20-64 (%) 1.4.3 Gross value added of manufacturing (%) 1.4.4 Gross Application and experimental transfers (per or non-remunerated time (%) 1.4.5 FREE OR NON-REMUNERATED TIME: 1.4.6 Gross Gross Gross filed from PPPS GDP (per or non-remunerated time (%) 1.4.7 Gross Gross Gross filed from PPPS GDP (per or non-remunerated time (%) 1.4.8 Gross Gr	1.1	· · · · · · · · · · · · · · · · · · ·	19.7	15	79.0		///	
1.3.1 Output per worker (2011 constant GDP PPPS) 64 4872 35 43.0 ↑ 1.3.2 Gross expenditure on R&D (% of GDP) 1.0 36 20.7 ↑ 1.4 INDUSTRIAL BASE 24 54.0 ⅓ 1.4.1 Gross value added of manufacturing (% of GDP) 16.8 20 56.0 ⅓ 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 0.4 33 50.9 ⅓ 2. Social transition 30 70.8 ⅓ 2.1 HEALTH: Healthy life expectancy at birth (years) 65.4 43 67.9 ⅓ 2.2 WORK AND INCLUSION 40 64.1 ↑ 2.2.1 Employment rate of the population aged 20-64 (%) 72.2 35 64.4 ↑ 2.2.2 Employment-to-population ratio gender gap 25+ (%) 17.9 43 74.5 ⊾ 2.3 FREE OR NON-REMUNERATED TIME: 72.3 55 66.8 ⅓ 2.4 EQUALTY 15 78.5 ⅓ 2.4 EQUALTY 15 78.5 ⅓ 2.4 EQUALTY 15 78.5 ⅓ 2.5 Environmental transition 52 57.6 ⅓ 3.1 Environmental transition 52 57.6 ⅓ 3.2 ENVISIONS REDUCTION: Gross greenhouse gas emissions (0-100) 87.6 10 87.6 -	1.2	WEALTH: GDP per capita, current dollars (PPP\$)	33 890.6	35	45.2	<b>1</b> _		
1.3.2 Gross expenditure on R&D (% of GDP)  1.4 INDUSTRIAL BASE  1.4.1 Gross value added of manufacturing (% of GDP)  1.6.8 20 56.0 7  1.7 Jane 1	1.3	LABOUR PRODUCTIVITY & R&D INTENSITY		37	31.8	<b>1</b>		
1.4 INDUSTRIAL BASE 1.4.1 Gross value added of manufacturing (% of GDP) 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 2. Social transition 2.1 HEALTH: Healthy life expectancy at birth (years) 2.2 WORK AND INCLUSION 2.2 WORK AND INCLUSION 3.0 64.1 ↑  2.2.2 Employment rate of the population aged 20-64 (%) 2.2.2 Employment-to-population ratio gender gap 25+ (%) 2.2.3 Early childhood care and education (%) 2.4 EQUALITY 2.5 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%) 2.4 EQUALITY 2.4.1 (0-100) 2.4.2 Income share held by the poorest quintile (%) 3. Environmental transition 4. Separation and transition 4. ENVIRON and transition 4. ENVIRON and transition 4. ENVIRON and transition 4. Separation and transition 4. Separation and transition and tra	1.3.1	Output per worker (2011 constant GDP PPP\$)	64 487.2	35	43.0	1		
1.4.1 Gross value added of manufacturing (% of GDP) 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 2. Social transition 2.1 HEALTH: Healthy life expectancy at birth (years) 3.0 70.8 7 2.2 WORK AND INCLUSION 3.0 65.4 43 67.9 7 2.2 WORK AND INCLUSION 3.1 Employment rate of the population aged 20-64 (%) 3.2 Early childhood care and education (%) 3.2 Early childhood care and education (%) 3.3 Equal transition 3.4 ENERGY RODUCTION: Gross greenhouse gas emissions (tomes per capita) 3.5 Environmental transition 3.6 ENJOYMENSTIY 3.7 Errestrial key biodiversity areas (KBAs) protected (%) 3.2 BIODIVERSITY 3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per koe) 3.4 ENERGY RODUCTIVITY: Resource productivity (PPPS per koe) 4.5 EQUALITY 4.6 EVALUATE (%) 4.7 EVALUATE (%) 4.8 ENJOYMENSTIC (%) 4.9 EVALUATE (%) 4.1 FUNDAMENTAL RIGHTS 4.1 FUNDAMENTAL RIGHTS 4.2 EVALUATE (%) 4.1 FUNDAMENTAL RIGHTS 4.2 EVALUATE (%) 4.2 EVALUATE (%) 4.3 EVERCY PRODUCTIVITY: Energy productivity (PPPS per koe) 4.4 EVALUATE (%) 4.5 EVALUATE (%) 4.6 EVALUATE (%) 4.7 EVALUATE (%) 4.8 EVALUATE (%) 4.9 EVALUATE (%) 4.1 FUNDAMENTAL RIGHTS 4.1 FUNDAMENTAL RIGHTS 4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 4.3 TRANSPARENCY 4.3 EARCHY: Homicide rate (per 100,000 inhabitants) 4.3 TRANSPARENCY 4.3 Basel anti-money laundering index (0-100)	1.3.2	Gross expenditure on R&D (% of GDP)	1.0	36	20.7	<b>1</b> _		
1.4.2 Patent families filed in two offices (per billion PPP\$ GDP) 2. Social transition 30 70.8 7 2.1 HEALTH: Healthy life expectancy at birth (years) 65.4 43 67.9 7 2.2 WORK AND INCLUSION 40 64.1 ↑ 2.2.1 Employment rate of the population aged 20-64 (%) 2.2.2 Employment-tor-population ratio gender gap 25+ (%) 17.9 43 74.5 2.2.3 Early childhood care and education (%) 45.6 53 42.6 ↑ 2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%) 2.4 EQUALITY 2.4.1 Gini coefficient disposable income post taxes and transfers (0-100) 4.5 6 53 42.6 ↑ 2.4.2 Income share held by the poorest quintile (%) 3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3.2 BIODIVERSITY 3.2 BIODIVERSITY 3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.3 Pesticide use per area of cropland (kg/ha) 3.4 ENERGY PRODUCTIVITY: Resource productivity (PPPS per ko) 3.5 PRESOURCE PRODUCTIVITY: Resource productivity (PPPS per koe) 4.1 FUNDAMENTAL RIGHTS 4.1 FUNDAMENTAL RIGHTS 5.1 FUNDAMENTAL RIGHTS 5.2 FUNDAMENTAL RIGHTS 5.3 FOR TAXED AND A TAXED A TA	1.4	INDUSTRIAL BASE		24	54.0	7	<b>//</b>	
2. Social transition  2.1 HEALTH: Healthy life expectancy at birth (years)  2.2 WORK AND INCLUSION  2.2.1 Employment rate of the population aged 20-64 (%)  2.2.2 Employment rate of the population aged 20-64 (%)  2.2.2 Employment-to-population ratio gender gap 25+ (%)  2.2.3 Early childhood care and education (%)  2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  2.4 EQUALITY  2.5 Free OR OR HEMUNERATED TIME: Free or non-remunerated time (%)  2.4 EQUALITY  2.5 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  3. Emironmental transition  3. EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3. EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3. BIODIVERSITY  3. BIODIVERSITY  3. BIODIVERSITY  3. RESOURCE PRODUCTIVITY: Resource productivity (PPPS per koe)  3. RESOURCE PRODUCTIVITY: Resource productivity (PPPS per koe)  3. RESOURCE PRODUCTIVITY: Energy productivity (PPPS per koe)  4. Governance transition  4. Governance transition  5. FUNDAMENTAL RIGHTS  6. FUNDAMENTAL RIGHTS  7. FUNDAMENTAL RIGHTS  7. FUNDAMENTAL RIGHTS  7. FUNDAMENTAL RIGHTS  7. FUNDAMENTAL	1.4.1	Gross value added of manufacturing (% of GDP)	16.8	20	56.0	7 _	~~	
2.1 HEALTH: Healthy life expectancy at birth (years)  2.2 WORK AND INCLUSION  2.2.1 Employment rate of the population aged 20-64 (%)  2.2.2 Employment rate of the population aged 20-64 (%)  2.2.2 Employment-to-population ratio gender gap 25+ (%)  2.2.3 Early childhood care and education (%)  2.3 FREE OR NON-REMUNEATED TIME: Free or non-remunerated time (%)  2.4 EQUALITY  2.5 Free or non-remunerated time (%)  2.6 TABLE OF	1.4.2	Patent families filed in two offices (per billion PPP\$ GDP)	0.4	33	50.9	7		
2.2 WORK AND INCLUSION  2.2.1 Employment rate of the population aged 20-64 (%)  2.2.2 Employment-to-population ratio gender gap 25+ (%)  2.2.3 Early childhood care and education (%)  2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  2.4 EQUALITY  2.5 Gini coefficient disposable income post taxes and transfers (0-100)  2.4 Income share held by the poorest quintile (%)  3.1 Emironmental transition  3.2 ST.6  3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tronnes per capita)  3.2 BIODIVERSITY  3.3 BIODIVERSITY  3.4 88.6  3.5 Pershwater key biodiversity areas (KBAs) protected (%)  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per kg)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  4.1 FUNDAMENTAL RIGHTS  4.1 FUNDAMENTAL RIGHTS  4.1 Viole and accountability index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3 Basel anti-money laundering index (0-100)  4.3 25 56.6  4.5 Corruption perceptions index (0-100)  4.5 26 60.0  4.5 Employment at trate of the population aged 20-64 (%)  52.3 56.6  52.4  52.5 FREE QR NON-REMUNERATED TIME: 52.5 57.6  52.7  52.8  52.7  57.6  57.8  57.6  57.	2.	Social transition		30	70.8	7 _		
2.2.1 Employment rate of the population aged 20-64 (%) 2.2.2 Employment-to-population ratio gender gap 25+ (%) 2.2.3 Early childhood care and education (%) 2.3 FREE OR NON-REMUNERATED TIME: 2.4 EQUALITY 2.4.1 Gini coefficient disposable income post taxes and transfers (0-100) 2.4.2 Income share held by the poorest quintile (%) 2.4.3 Income share held by the poorest quintile (%) 2.5 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 2.5 Incomes pare capita) 3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3.2 BIODIVERSITY 3.3 BIODIVERSITY 3.4 BAB6 3.5 Freshwater key biodiversity areas (KBAs) protected (%) 3.6 Freshwater key biodiversity areas (KBAs) protected (%) 3.7 Sesticide use per area of cropland (kg/ha) 3.8 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per kog) 3.9 ENERGY PRODUCTIVITY: Resource productivity (PPPS per kog) 3.1 FUNDAMENTAL RIGHTS 3.1 FUNDAMENTAL RIGHTS 3.2 FUNDAMENTAL RIGHTS 3.3 TRANSPARENCY 3.4 SECURITY: Homicide rate (per 100,000 inhabitants) 3.5 TRANSPARENCY 3.7 SESOURCE PRODUCTIVITY: Babas And And Security (PPPS Babas And Secur	2.1	HEALTH: Healthy life expectancy at birth (years)	65.4	43	67.9	7		
2.2.2 Employment-to-population ratio gender gap 25+ (%) 2.2.3 Early childhood care and education (%) 45.6 53 42.6 ↑  2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%) 2.4 EQUALITY 2.4.1 Gini coefficient disposable income post taxes and transfers (0-100) 2.4.2 Income share held by the poorest quintile (%) 3. Environmental transition 3. EMISSIONS REDUCTION: Gross greenhouse gas emissions (mones per capita) 3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (mones per capita) 3.2 BIODIVERSITY 8 8 88.6 ¥ 3.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per kg) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per kg) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 4.1 FUNDAMENTAL RIGHTS 4.1 Voice and accountability index (z-score) 4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 5.6 Good 60.0 - 4.3 TRANSPARENCY 4.3 TRANSPARENCY 5.2 Basel anti-money laundering index (0-100) 5.2 Basel anti-money laundering index (0-100) 5.2 A 5.2 Basel anti-money laundering index (0-100) 5.2 A 5.3 Basel anti-money laundering index (0-100) 5.2 A 5.3 Basel anti-money laundering index (0-100) 5.2 A 5.3 Basel anti-money laundering index (0-100)	2.2	WORK AND INCLUSION		40	64.1	<b>^</b>		
2.2.3 Early childhood care and education (%)	2.2.1	Employment rate of the population aged 20-64 (%)	72.2	35	64.4	<b>^</b>		
2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  2.4 EQUALITY  2.5 78.5 7  2.4.1 (Gini coefficient disposable income post taxes and transfers (inc) coefficient disposable income post and coefficient disposable income post taxes and transfers (inc) coefficie	2.2.2	Employment-to-population ratio gender gap 25+ (%)	17.9	43	74.5	<b>V</b>	~	
Free or non-remunerated time (%)   S2.5   S5   67.8   X     2.4   EQUALITY   15   78.5   X     2.4.1   Gini coefficient disposable income post taxes and transfers (0-100)   2.9.7   15   78.4   X     2.4.2   Income share held by the poorest quintile (%)   8.3   16   78.8   ↑     3.   Environmental transition   32   57.6   X     3.1   EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)   8   88.6   X     3.2   BIODIVERSITY   8   88.6   X     3.2.1   Terrestrial key biodiversity areas (KBAs) protected (%)   91.8   12   91.8   -	2.2.3	Early childhood care and education (%)	45.6	53	42.6	<b>1</b>		
2.4 EQUALITY 2.4.1 Gini coefficient disposable income post taxes and transfers (0-100) 2.4.2 Income share held by the poorest quintile (%) 3. Environmental transition 3. Environmental transition 3. EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3. EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3. BIODIVERSITY 8 8 88.6 S 3.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.3 Pesticide use per area of cropland (kg/ha) 3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per kg) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 3.5 Function of the product of the productivity (PPPS per koe) 3.6 Function of the product	2.3		52.3	35	67.8	7		
2.4.1 Gini coefficient disposable income post taxes and transfers (0-100) 2.4.2 Income share held by the poorest quintile (%) 3. Environmental transition 3. EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3.2 BIODIVERSITY 8 8 88.6 3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.2.3 Pesticide use per area of cropland (kg/ha) 3.2.4 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per kg) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 4.1 FUNDAMENTAL RIGHTS 4.1.1 Voice and accountability index (z-score) 4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 4.3 TRANSPARENCY 4.3 TRANSPARENCY 4.4 Basel anti-money laundering index (0-100) 4.3 23 56.6	24			15	78.5	7		
2.4.2 Income share held by the poorest quintile (%)  3. Environmental transition  3. EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3.2 BIODIVERSITY  8 88.6		Gini coefficient disposable income post taxes and transfers	29.7			_		
3. Environmental transition  3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3.2 BIODIVERSITY  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.2.3 Pesticide use per area of cropland (kg/ha)  3.2 RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  4.3.2 Basel anti-money laundering index (0-10)  4.3 23 56.6						_		
3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3.2 BIODIVERSITY  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.2.3 Pesticide use per area of cropland (kg/ha) 3.2.4 RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe) 3.4 Governance transition  4.1 FUNDAMENTAL RIGHTS 4.1.1 Voice and accountability index (z-score) 4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY 4.3 TRANSPARENCY 4.3 Basel anti-money laundering index (0-100) 4.3 Basel anti-money laundering index (0-100) 4.3 ENERGY PROPUCTION: Gross greenhouse gas emissions (11.0 56 54.2   4.1 FUNDAMENTAL RIGHTS 5. 5.4   4.1 FUNDAMENTAL RIGHTS 5. 71.6   4.1 FUNDAMENTAL RIGHTS 7. 16 84.8   7. 4.1 FUNDAMENTAL RIGHTS 7. 16 84.8   7. 4.1 FUNDAMENTAL RIGHTS 7. 16 84.8   7. 66.6   7. 16 84.8   7. 16 84.8   7. 16 84.8   7. 16 84.8   7. 16 84.8   7. 16 84.8   7. 16 84.8   7. 16 84.8   7. 16 84.8   7. 16 84.8   7. 16 84.8   7. 16 84.8   7. 16 84.8   7. 16 84.8   7. 16 84.8   7. 16 84.8   7. 16 84.8   7. 16 84.8   7.			8.3			_		
3.1 (tonnes per capita) 3.2 BIODIVERSITY  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.2.3 Pesticide use per area of cropland (kg/ha) 3.2.4 RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe) 3.5 RESOURCE PRODUCTIVITY: Energy productivity (PPP\$ per koe) 3.6 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe) 3.7 Septimized transition 3.8 Governance transition 3.9 Tanasation 3.0 Tanasation 4.1 Tanasation 4.2 Security: Homicide rate (per 100,000 inhabitants) 3.1 Tanasation 3.2 Tanasation 4.3 Tanasation 4.4 Tanasation 4.4 Tanasation 4.5 Tanasation 4.7 Tanasation 4.7 Tanasation 4.8 Tanasation 4.0 Tana	3.			32	57.6	7 _		
3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.2.3 Pesticide use per area of cropland (kg/ha) 3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPPŞ per kg) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPŞ per koe) 3.4 Governance transition 4.1 FUNDAMENTAL RIGHTS 4.1.1 Voice and accountability index (z-score) 4.1.2 Rule of law index (z-score) 4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 4.3 TRANSPARENCY 4.3.1 Corruption perceptions index (0-100) 4.3.2 Basel anti-money laundering index (0-10) 4.3 23 56.6		(tonnes per capita)	11.0			71	<i>/</i> \_	
3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.2.3 Pesticide use per area of cropland (kg/ha)  3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPPŞ per kg)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPŞ per koe)  4. Governance transition  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  4.3.2 Basel anti-money laundering index (0-10)  4.3 23 56.6	3.2					7		
3.2.3 Pesticide use per area of cropland (kg/ha)  3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  4.3.2 Basel anti-money laundering index (0-10)  3.4 84.1		·			87.6		/	
3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)  4. Governance transition  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  4.3.2 Basel anti-money laundering index (0-10)  3.5 29.2  ↑  1.8 50 29.2  ↑  1.8 58.4  ↑  1.8 50 29.2  ↑  1.8 58.4  ↑  1.8 50 29.2  ↑  1.8 58.4  ↑  1.8 50 29.2  ↑  1.8 58.4  ↑  1.8 50 29.2  ↑  1.8 58.4  ↑  1.8 50 29.2  ↑  1.8 58.4  ↑  1.8 50 29.2  ↑  1.8 58.4  ↑  1.8 50 29.2  ↑  1.8 58.4  ↑  1.8 50 29.2  ↑  1.8 58.4  ↑  1.8 50 29.2  ↑  1.8 5.4  ↑  1.8 50 29.2  ↑  1.8 58.4  ↑  1.8 50 29.2  ↑  1.8 58.4  ↑  1.8 50 29.2  ↑  1.8 58.4  ↑  1.8 50 29.2  ↑  1.8 58.4  ↑  1.8 5.4  1.9 5.4  1.9 5.  1.9 5.	3.2.2	· · · · · · · · · · · · · · · · · · ·		12				
3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)  4. Governance transition  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  4.3.2 Basel anti-money laundering index (0-10)  4.3 1 1.8 50 29.2 Transition	3.2.3		2.2	34	84.1	Ŋ,		
4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  29 58.0   4.3.1 Corruption perceptions index (0-100)  4.3.2 Basel anti-money laundering index (0-10)  4.3 72.8   72.8   72.8   73.6   74.6   75.7   76.5   76.6   76.5   76.6   76.7   76.7   76.7   76.7   76.8   76.8   76.9   76.6   76.9   76	3.3		1.8	50	29.2	1		
4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  29 58.0 №  4.3.1 Corruption perceptions index (0-100)  4.3.2 Basel anti-money laundering index (0-10)  4.3 23 56.6 №	3.4	ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)	11.7	34	58.4	1 _		
4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  29 58.0 №  4.3.1 Corruption perceptions index (0-100)  60.0 26 60.0 −  4.3.2 Basel anti-money laundering index (0-10)  4.3 23 56.6 №	4.	Governance transition		26	72.8	7 -	$\overline{}$	
4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  4.3.2 Basel anti-money laundering index (0-10)  4.3.3 TRANSPARENCY  4.3.4 TRANSPARENCY  4.3.5 TRANSPARENCY  4.3.6 TRANSPARENCY  4.3.7 TRANSPARENCY  4.3.8 TRANSPARENCY  4.3.9 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  4.3.2 TRANSPARENCY  4.3.3 TRANSPARENCY  4.3.3 TRANSPARENCY  4.3.4 TRANSPARENCY  4.3.5 TRANSPARENCY  4.3.5 TRANSPARENCY  4.3.6 TRANSPARENCY  4.3.7 TRANSPARENCY  4.3.8 TRANSPARENCY  4.3.9 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  4.3.2 TRANSPARENCY  4.3.3 TRANSPARENCY  4.3.3 TRANSPARENCY  4.3.4 TRANSPARENCY  4.3.5 TRANSPARENCY  4.3.5 TRANSPARENCY  4.3.7 TRANSPARENCY  4.3.7 TRANSPARENCY  4.3.8 TRANSPARENCY  4.3.9 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  4.3.2 TRANSPARENCY  4.3.3 TRANSPARENCY  4.3.3 TRANSPARENCY  4.3.4 TRANSPARENCY  4.3.5 TRANSPARENCY  4.3.5 TRANSPARENCY  4.3.7 TRANSPARENCY  4.3.7 TRANSPARENCY  4.3.8 TRANSPARENCY  4.3.8 TRANSPARENCY  4.3.9 TRANSPARENCY  4.3.1 TRANSPARENCY  4.3.2 TRANSPARENCY  4.3.2 TRANSPARENCY  4.3.3 TRANSPARENCY  4.3.3 TRANSPARENCY  4.3.3 TRANSPARENCY  4.3.4 TRANSPARENCY  4.3.5 TRANSPARENCY  4.3.7 TRANSPARENCY  4.3.7 TRANSPARENCY  4.3.7 TRANSPARENCY  4.3.8 TRANSPARENCY  4.3.9 TRANSPARENCY  4.3.8 TRANSPA	4.1	FUNDAMENTAL RIGHTS		35	71.6	<b>V</b> -		
4.2       SECURITY: Homicide rate (per 100,000 inhabitants)       0.7       16       84.8       -         4.3       TRANSPARENCY       29       58.0       \( \text{y}\)         4.3.1       Corruption perceptions index (0-100)       60.0       26       60.0       -         4.3.2       Basel anti-money laundering index (0-10)       4.3       23       56.6       \( \text{y}\)	4.1.1	Voice and accountability index (z-score)	0.7	34	76.5	7 _	~	
4.3       TRANSPARENCY       29       58.0       ¥         4.3.1       Corruption perceptions index (0-100)       60.0       26       60.0       -         4.3.2       Basel anti-money laundering index (0-10)       4.3       23       56.6       ¥	4.1.2	Rule of law index (z-score)	0.4	37	66.6	<b>V</b>		
4.3.1 Corruption perceptions index (0-100)       60.0       26       60.0       -         4.3.2 Basel anti-money laundering index (0-10)       4.3       23       56.6       \( \)	4.2	SECURITY: Homicide rate (per 100,000 inhabitants)	0.7	16	84.8	- <		
4.3.2 Basel anti-money laundering index (0-10)  4.3 23 56.6	4.3	TRANSPARENCY		29	58.0	– لا		
	4.3.1	Corruption perceptions index (0-100)	60.0	26	60.0			
4.4 SOUND PUBLIC FINANCES: Government gross debt (% of GDP) 48.9 31 84.6 -	4.3.2	Basel anti-money laundering index (0-10)	4.3	23	56.6	<b>7</b> –		
	4.4	SOUND PUBLIC FINANCES: Government gross debt (% of GDP)	48.9	31	84.6		~~	

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

Note: Progress lines use automatic scaling.

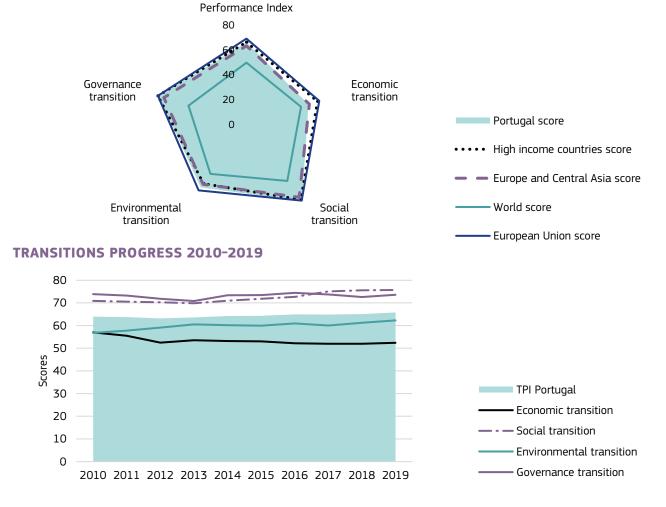


PORTUGAL			
POPULATION (million inhabitants)	10.3	GDP PER CAPITA (current PPP\$)	33 665.4
GROSS DOMESTIC PRODUCT (GDP) (billion PPP\$)	345.6	TRADE (% of GDP)	87.6
SUMMARY INNOVATION INDEX (0-100)	49.0	DIGITAL ECONOMY AND SOCIETY INDEX (0-100)	49.6

2019	TPI	TRANSITIONS					
2019	IPI	ECONOMIC SOCIAL		ENVIRONMENTAL	GOVERNANCE		
Portugal ranks	20	35	22	22	25		
Portugal score	65.8	52.4	75.7	62.2	73.6		
World weighted average score	49.7	46.1	55.8	48.9	48.8		
High income countries score	66.0	60.0	74.4	58.4	74.5		
Europe and Central Asia score	63.1	53.1	72.0	59.1	69.5		
European Union score	68.8	61.4	75.4	65.2	74.5		

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

Transitions





PORTUGAL		2	019	2010-2019	
		VALUE	RANK	SCORE	SCORE PROGRESS
TRANS	ITIONS PERFORMANCE INDEX		20	65.8	-
1.	Economic transition		35	52.4	<u>и</u> /
1.1	EDUCATION: Government expenditure in education per student (% of GDP per capita)	19.0	19	75.9	<b>+</b> \
1.2	WEALTH: GDP per capita, current dollars (PPP\$)	33 665.4	36	44.9	<b>↑</b>
1.3	LABOUR PRODUCTIVITY & R&D INTENSITY		35	33.6	٧ ٧
1.3.1	Output per worker (2011 constant GDP PPP\$)	61 356.7	38	40.9	- //
1.3.2	Gross expenditure on R&D (% of GDP)	1.3	26	26.3	<b>V</b>
1.4	INDUSTRIAL BASE		36	46.4	7
1.4.1	Gross value added of manufacturing (% of GDP)	11.7	45	39.0	-
1.4.2	Patent families filed in two offices (per billion PPP\$ GDP)	0.7	30	57.4	1
2.	Social transition		22	75.7	7
2.1	HEALTH: Healthy life expectancy at birth (years)	70.0	26	83.5	-
2.2	WORK AND INCLUSION		19	76.4	7
2.2.1	Employment rate of the population aged 20-64 (%)	75.4	25	70.8	1
2.2.2	Employment-to-population ratio gender gap 25+ (%)	11.3	16	83.8	- /~~
2.2.3	Early childhood care and education (%)	63.8	21	73.0	1
2.3	FREE OR NON-REMUNERATED TIME:	57.4	20	77.1	
	Free or non-remunerated time (%)	57			
2.4	EQUALITY  Gini coefficient disposable income post taxes and transfers		32	68.9	<b>7</b>
2.4.1	(0-100)	33.8	32	69.3	<sup>7</sup>
2.4.2	Income share held by the poorest quintile (%)	7.4	31	67.5	7
3.	Environmental transition		22	62.2	7
3.1	EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)	7.2	30	70.0	7
3.2	BIODIVERSITY		26	67.4	- /
3.2.1	Terrestrial key biodiversity areas (KBAs) protected (%)	74.1	26	74.1	-
3.2.2	Freshwater key biodiversity areas (KBAs) protected (%)	64.0	29	64.0	_
3.2.3	Pesticide use per area of cropland (kg/ha)	5.4	49	61.1	1
3.3	RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)	2.0	38	33.0	1
3.4	ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)	15.7	11	78.6	1
4.	Governance transition		25	73.6	<u>и</u> и
4.1	FUNDAMENTAL RIGHTS		21	87.9	
4.1.1	Voice and accountability index (z-score)	1.2	18	88.6	- ~
4.1.2	Rule of law index (z-score)	1.1	23	87.3	- ~~~
4.2	SECURITY: Homicide rate (per 100,000 inhabitants)	0.8	18	83.9	7 ~~~
4.3	TRANSPARENCY		24	61.0	У К
4.3.1	Corruption perceptions index (0-100)	64.0	24	64.0	
4.3.2	Basel anti-money laundering index (0-10)	4.1	18	59.0	У К
4.4	SOUND PUBLIC FINANCES: Government gross debt (% of GDP)	122.2	69	37.3	<b>V</b>
Trancit	ion leader [75-100] Strong transition [65-75] Good transition [55-65]	Madayata tyanaitian [/	r	\\/ , +====i+i	an [O 4F]

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

Note: Progress lines use automatic scaling.

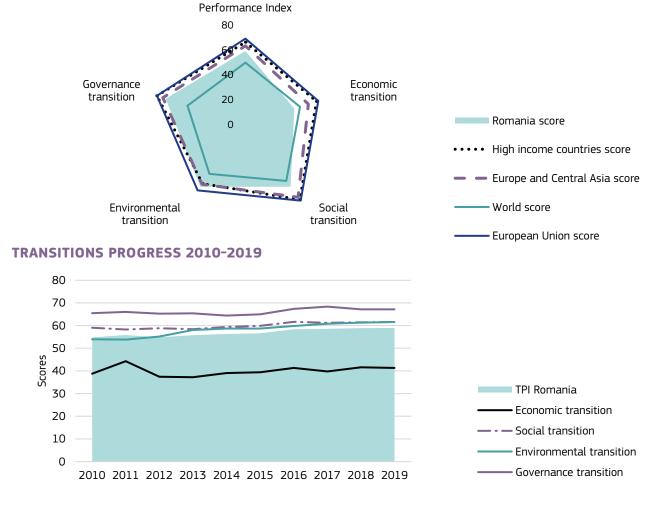


ROMANIA			
POPULATION (million inhabitants)	19.5	GDP PER CAPITA (current PPP\$)	27 997.9
GROSS DOMESTIC PRODUCT (GDP) (billion PPP\$)	546.6	TRADE (% of GDP)	84.6
SUMMARY INNOVATION INDEX (0-100)	16.0	DIGITAL ECONOMY AND SOCIETY INDEX (0-100)	40.0

2019	TPI	TRANSITIONS					
2019	IPI	ECONOMIC SOCIAL		ENVIRONMENTAL	GOVERNANCE		
Romania ranks	35	47	45	25	34		
Romania score	58.9	41.3	61.6	61.6	67.1		
World weighted average score	49.7	46.1	55.8	48.9	48.8		
High income countries score	66.0	60.0	74.4	58.4	74.5		
Europe and Central Asia score	63.1	53.1	72.0	59.1	69.5		
European Union score	68.8	61.4	75.4	65.2	74.5		

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

Transitions





ROMANIA		2	2019		2010-2019	
		VALUE	RANK	SCORE	SCO	RE PROGRESS
TRANS	ITIONS PERFORMANCE INDEX		35	58.9	71	~
1.	Economic transition		47	41.3	7	<b>^</b>
1.1	EDUCATION: Government expenditure in education per student (% of GDP per capita)	12.3	50	49.0	7	$\wedge$
1.2	WEALTH: GDP per capita, current dollars (PPP\$)	27 997.9	42	37.3	<b>↑</b>	
1.3	LABOUR PRODUCTIVITY & R&D INTENSITY		44	24.4	<b>↑</b>	
1.3.1	Output per worker (2011 constant GDP PPP\$)	58 003.5	41	38.7	<b>↑</b>	
1.3.2	Gross expenditure on R&D (% of GDP)	0.5	58	10.1	7	
1.4	INDUSTRIAL BASE		34	47.5	<b>1</b>	^
1.4.1	Gross value added of manufacturing (% of GDP)	17.1	19	57.0	4	~
1.4.2	Patent families filed in two offices (per billion PPP\$ GDP)	0.1	52	33.2	<b>↑</b>	
2.	Social transition		45	61.6	_	~~
2.1	HEALTH: Healthy life expectancy at birth (years)	63.7	56	62.4	71	
2.2	WORK AND INCLUSION		42	62.3	71	
2.2.1	Employment rate of the population aged 20-64 (%)	69.9	39	59.8	<b>1</b>	
2.2.2	Employment-to-population ratio gender gap 25+ (%)	20.1	50	71.3	7	~
2.2.3	Early childhood care and education (%)	49.6	48	49.3	7	
2.3	FREE OR NON-REMUNERATED TIME:	50.8	37	65.1	7	
	Free or non-remunerated time (%)	50.0				^
2.4	EQUALITY  Cipi coefficient disposable income post taxes and transfers		50	58.6	7	
2.4.1	Gini coefficient disposable income post taxes and transfers (0-100)	36.0	45	64.4	7	
2.4.2	Income share held by the poorest quintile (%)	5.3	62	41.3	4	
<b>3</b> .	Environmental transition		25	61.6	<b>1</b>	
3.1	EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)	5.9	21	75.4	-	
3.2	BIODIVERSITY		22	76.2	7	
3.2.1	Terrestrial key biodiversity areas (KBAs) protected (%)	77.3	22	77.3	1	
3.2.2	Freshwater key biodiversity areas (KBAs) protected (%)	65.9	28	65.9	7	
3.2.3	Pesticide use per area of cropland (kg/ha)	0.8	13	94.5	7	
3.3	RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)	1.2	61	20.3	-	
3.4	ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)	14.9	14	74.5	1	
4.	Governance transition		34	67.1	_	~~
4.1	FUNDAMENTAL RIGHTS		39	65.2	7	
4.1.1	Voice and accountability index (z-score)	0.5	39	67.6	_	
4.1.2	Rule of law index (z-score)	0.3	39	62.8	<b>1</b>	
4.2	SECURITY: Homicide rate (per 100,000 inhabitants)	1.3	35	77.2	_	
4.3	TRANSPARENCY		43	50.2	_	
4.3.1	Corruption perceptions index (0-100)	47.0	40	47.0	7	
4.3.2	Basel anti-money laundering index (0-10)	4.8	33	52.4	7	
4.4	SOUND PUBLIC FINANCES: Government gross debt (% of GDP)	35.0	19	93.5	7	
Trancit	tion leader [75-100] Strong transition [65-75] Good transition [55-65]	Moderate transition [	45_55[ <b></b>	Work transit	ion [0-45]	_

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

Note: Progress lines use automatic scaling.

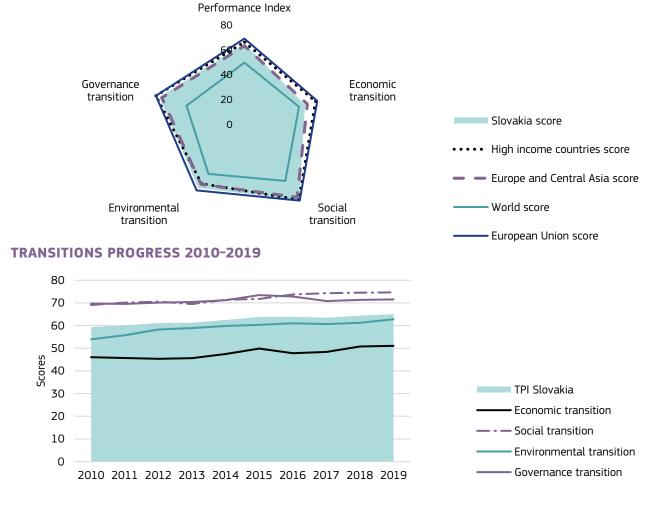


<b>SLOVAKIA</b>			
POPULATION (million inhabitants)	5.5	GDP PER CAPITA (current PPP\$)	36 640.2
GROSS DOMESTIC PRODUCT (GDP) (billion PPP\$)	199.7	TRADE (% of GDP)	185.2
SUMMARY INNOVATION INDEX (0-100)	33.8	DIGITAL ECONOMY AND SOCIETY INDEX (0-100)	45.2

2019	TPI	TRANSITIONS					
2019	IFI	ECONOMIC SOCIAL		ENVIRONMENTAL	GOVERNANCE		
Slovakia ranks	21	36	24	20	29		
Slovakia score	65.0	51.1	74.6	62.7	71.5		
World weighted average score	49.7	46.1	55.8	48.9	48.8		
High income countries score	66.0	60.0	74.4	58.4	74.5		
Europe and Central Asia score	63.1	53.1	72.0	59.1	69.5		
European Union score	68.8	61.4	75.4	65.2	74.5		

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

Transitions





SLOVAKIA		2	2019			2010-2019	
		VALUE	RANK	SCORE	SCO	DRE PROGRESS	
TRANS	ITIONS PERFORMANCE INDEX		21	65.0	7		
1.	Economic transition		36	51.1	7		
1.1	EDUCATION: Government expenditure in education per student (% of GDP per capita)	15.4	39	61.5	-	\\\	
1.2	WEALTH: GDP per capita, current dollars (PPP\$)	36 640.2	32	48.9	<b>↑</b>		
1.3	LABOUR PRODUCTIVITY & R&D INTENSITY		38	31.4	<b>1</b>		
1.3.1	Output per worker (2011 constant GDP PPP\$)	67 618.3	33	45.1	<b>1</b>		
1.3.2	Gross expenditure on R&D (% of GDP)	0.9	41	17.7	<b>1</b>		
1.4	INDUSTRIAL BASE		21	55.3	-	<b>-</b>	
1.4.1	Gross value added of manufacturing (% of GDP)	19.0	15	63.3	-		
1.4.2	Patent families filed in two offices (per billion PPP\$ GDP)	0.2	40	43.2	7	<b></b>	
2.	Social transition		24	74.6	7	~	
2.1	HEALTH: Healthy life expectancy at birth (years)	65.3	46	67.5	7		
2.2	WORK AND INCLUSION		41	62.9	<b>1</b>		
2.2.1	Employment rate of the population aged 20-64 (%)	72.4	33	64.8	<b>1</b>		
2.2.2	Employment-to-population ratio gender gap 25+ (%)	15.8	35	77.4	_	~~~	
2.2.3	Early childhood care and education (%)	38.1	61	30.2	_	<b>~</b>	
2.3	FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)	55.1	27	73.0	7		
2.4	EQUALITY		5	87.3	_		
2.4.1	Gini coefficient disposable income post taxes and transfers (0-100)	25.2	3	88.4	-		
2.4.2	Income share held by the poorest quintile (%)	8.7	12	83.8	-		
3.	Environmental transition		20	62.7	<b>1</b>		
3.1	EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)	8.0	39	66.7	-		
3.2	BIODIVERSITY		13	83.9	-		
3.2.1	Terrestrial key biodiversity areas (KBAs) protected (%)	82.7	16	82.7	7		
3.2.2	Freshwater key biodiversity areas (KBAs) protected (%)	81.5	19	81.5	-		
3.2.3	Pesticide use per area of cropland (kg/ha)	1.3	20	90.9	-	<b>/</b>	
3.3	RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)	2.7	20	45.3	<b>↑</b>		
3.4	ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)	11.0	39	55.2	<b>1</b>		
4.	Governance transition		29	71.5	-		
4.1	FUNDAMENTAL RIGHTS		32	75.6	Z	~~	
4.1.1	Voice and accountability index (z-score)	0.9	30	81.0	7		
4.1.2	Rule of law index (z-score)	0.5	36	70.2	7	~~	
4.2	SECURITY: Homicide rate (per 100,000 inhabitants)	1.1	27	79.0	_	<b>~~~</b>	
4.3	TRANSPARENCY		32	55.8	7		
4.3.1	Corruption perceptions index (0-100)	50.0	37	50.0	7		
4.3.2	Basel anti-money laundering index (0-10)	4.0	16	59.6	7		
4.4	SOUND PUBLIC FINANCES: Government gross debt (% of GDP)	49.4	32	84.3	7		
Trancit	ion leader [75-100] Strong transition [65-75] Good transition [55-65]	Moderate transition [4	5-551	Work transit	ion [0_4	21	

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

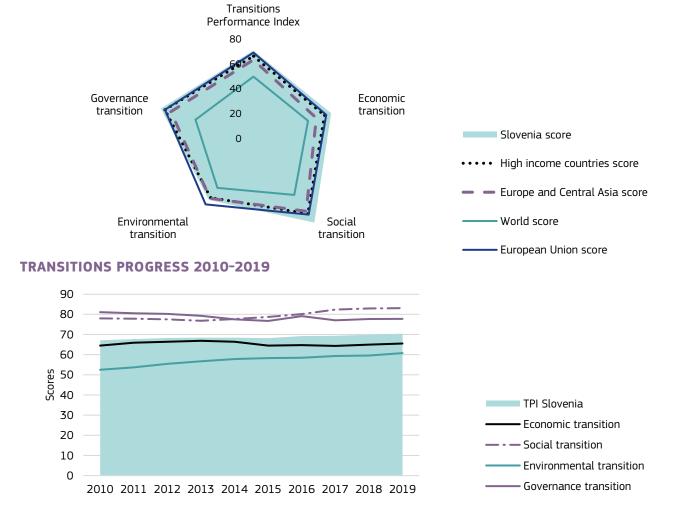
Note: Progress lines use automatic scaling.



<b>SLOVENIA</b>			
POPULATION (million inhabitants)	2.1	GDP PER CAPITA (current PPP\$)	38 462.4
GROSS DOMESTIC PRODUCT (GDP) (billion PPP\$)	79.6	TRADE (% of GDP)	159.7
SUMMARY INNOVATION INDEX (0-100)	43.1	DIGITAL ECONOMY AND SOCIETY INDEX (0-100)	51.2

2019	TPI	TRANSITIONS					
2019	IPI	ECONOMIC SOCIAL  15 6		ENVIRONMENTAL	GOVERNANCE		
Slovenia ranks	13			27	16		
Slovenia score	70.4	65.5	83.1	60.8	77.8		
World weighted average score	49.7	46.1	55.8	48.9	48.8		
High income countries score	66.0	60.0	74.4	58.4	74.5		
Europe and Central Asia score	63.1	53.1	72.0	59.1	69.5		
European Union score	68.8	61.4	75.4	65.2	74.5		

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]





TRANSITIONS PERFORMANCE INDEX	SLOVENIA			2019		2010-2019		
ECONOMIC transition   15   65.5   1	3L(	DVENIA	VALUE	RANK	SCORE	SCORE PROGRESS		
EDUCATION: Government expenditure in education per student	TRANS	ITIONS PERFORMANCE INDEX		13	70.4	-		
12   WEALTH: GDP per capita, current dollars (PPPS)   38 462.4   30   51.3   ↑	1.	Economic transition		15	65.5	-		
1.3 LABOUR PRODUCTIVITY & R&D INTENSITY  1.3.1 Output per worker (2011 constant GDP PPPS)  7.0 977.7 29 47.5 ↑  1.3.2 Gross expenditure on R&D (% of GDP)  1.9 19 37.3 №  1.4 INDUSTRIAL BASE  9 66.8 −  1.4.1 INDUSTRIAL BASE  1.5.2 Defended of manufacturing (% of GDP)  1.6.2 10 67.3 ↑  1.4.2 Patent families filed in two offices (per billion PPPS GDP)  1.3 25 66.1 №  2. Social transition  6 83.1 7.  2.1 HEALTH- Healthy life expectancy at birth (years)  2.2 WORK AND INCLUSION  1.4 77.4 7.  2.2 WORK AND INCLUSION  1.4 77.4 7.  2.2 Employment rate of the population aged 20-64 (%)  2.2 Employment rate of the population aged 20-64 (%)  2.2 Employment-to-population ratio gender gap 25+ (%)  1.0 65.6 19 75.9 ↑  7.5 PEE OR NON-REMUNERATED TIME:  Free or non-remunerated time (%)  2.4 EQUALITY  1.1 99.0 −  2.4.1 Gini coefficient disposable income post taxes and transfers (0-10.0)  2.4.2 Income share held by the poorest quintile (%)  3. Emvironmental transition  2. EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3. EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3. EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3. EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3. EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3. EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3. EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3. EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3. EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3. EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3. EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3. EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3. EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3. EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3. EMISSIONS REDUC	1.1		22.3	5	89.2	<b>*</b>		
1.3.1 Output per worker (2011 constant GDP PPP\$) 70 9777 29 473 ↑ ↑ 1.3.2 Gross expenditure on R&D (% of GDP) 1.9 19 37.3 № 1.4 INDUSTRIAL BASE 9 9 66.8 - 1.4.1 Gross value added of manufacturing (% of GDP) 20.2 10 67.3 ↑ 1.4.2 Patent families filed in two offices (per billion PPP\$ GDP) 1.3 25 66.1 № 2. Social transition 6 83.1	1.2	WEALTH: GDP per capita, current dollars (PPP\$)	38 462.4	30	51.3	<b>↑</b>		
13.2 Gross expenditure on R&D (% of GDP)  1.4 INDUSTRIAL BASE  1.4.1 Gross value added of manufacturing (% of GDP)  2.0.2 10 67.3 ↑  1.4.2 Patent families filed in two offices (per billion PPPS GDP)  2.1 Social transition  2.1 HEALTH: Healthy life expectancy at birth (years)  2.2 WORK AND INCLUSION  2.1 Employment rate of the population aged 20-64 (%)  2.2.1 Employment rate of the population aged 22-64 (%)  2.2.2 Employment-to-population ratio gender gap 25+ (%)  2.2.3 Early childhood care and education (%)  3.5 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  4.6 EQUALITY  2.1 Gini coefficient disposable income post taxes and transfers (0-100)  3.6 Environmental transition  2.7 Go.8 ↑  2.8 ENSIONS REDUCTION: Gross greenhouse gas emissions (10-100)  3.1 Environmental transition  2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.2 BIODIVERSITY  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per ko)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  4.1 FUNDAMENTAL RIGHTS  4.1 Voice and accountability index (z-score)  4.2 SECURITY Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3 RANSPARENCY  4.3 Basel anti-money laundering index (0-100)	1.3	LABOUR PRODUCTIVITY & R&D INTENSITY		25	42.3	-		
1.4 INDUSTRIAL BASE  1.4.1 Gross value added of manufacturing (% of GDP)  1.4.2 Patent familizes field in two offices (per billion PPPS GDP)  2. Social transition  2. HEALTH: Healthy life expectancy at birth (years)  2.2 WORK AND INCLUSION  2.1 Employment rate of the population aged 20-64 (%)  2.2 Employment rate of the population ratio gender gap 25+ (%)  2.2 Employment-to-population ratio gender gap 25+ (%)  2.2 Employment-to-population ratio gender gap 25+ (%)  2.2 Employment-to-population ratio gender gap 25+ (%)  2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  2.4 EQUALITY  2.4 EQUALITY  2.5 Free or non-remunerated time (%)  3.6 Environmental transition  3.7 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3.8 Environmental transition  3.9 ENVISONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3.1 Iterrestrial key biodiversity areas (KBAs) protected (%)  3.2 BIODIVERSITY  3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per kg)  3.4 ENERGY PRODUCTIVITY: Resource productivity (PPPS per kg)  4.1 FUNDAMENTAL RIGHTS  4.1 FUNDAMENTAL RIGHTS  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3 TRANSPARENCY  4.3 Basel anti-money laundering index (0-100)  4.5 Basel anti-money laundering index (0-100)	1.3.1	Output per worker (2011 constant GDP PPP\$)	70 977.7	29	47.3	1		
1.4.1 Gross value added of manufacturing (% of GDP) 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 1.3 25 66.1 N 2. Social transition 2.1 HEALTH: Healthy life expectancy at birth (years) 2.2 WORK AND INCLUSION 2.2.1 Employment rate of the population aged 20-64 (%) 2.2.2 Employment rate of the population aged 20-64 (%) 2.2.2 Employment-to-population ratio gender gap 25+ (%) 2.2.3 Early childhood care and education (%) 2.3 FREE OR NON-REMUNERATED TIME: 3.6 FREE OR NON-REMUNERATED TIME: 3.7 FREE OR NON-REMUNERATED TIME: 3.8 FREE OR NON-REMUNERATED TIME: 3.9 FREE OR NON-REMUNERATED TIME: 3.1 EQUALITY 3.1 Gini coefficient disposable income post taxes and transfers 3.2 Income share held by the poorest quintile (%) 3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions 3.2 EMISSIONS REDUCTION: Gross greenhouse gas emissions 3.2 EMISSIONS REDUCTION: Gross greenhouse gas emissions 4.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.3 RESOURCE PRODUCTIVITY: Energy productivity 4.6 46 67.4  3.7 FREE OR NON-REMUNERATED TIME: 5. FRE	1.3.2	Gross expenditure on R&D (% of GDP)	1.9	19	37.3	7		
1.4.2 Patent families filed in two offices (per billion PPP\$ GDP)  2. Social transition  6 83.1	1.4	INDUSTRIAL BASE		9	66.8	-		
2. Social transition 2.1 HEALTH: Healthy life expectancy at birth (years) 2.2 WORK AND INCLUSION 2.2.1 Employment rate of the population aged 20-64 (%) 2.2.2 Employment rate of the population aged 20-64 (%) 2.2.3 Employment rate of the population aged 29-64 (%) 2.2.3 Early childhood care and education (%) 2.3 FREE OR NON-REMUNERATED TIME: 3.4 FREE OR NON-REMUNERATED TIME: 3.5 FREE or non-remunerated time (%) 3.1 Gini coefficient disposable income post taxes and transfers (0-100) 3.1 Emvironmental transition 3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3.2 BIODIVERSITY 3.2.1 Ferestrial key biodiversity areas (KBAs) protected (%) 3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.2.3 Pesticide use per area of cropland (kg/ha) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 3.5 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 3.6 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 3.7 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 3.8 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 3.9 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 3.1 FUNDAMENTAL RIGHTS 4.1 FUNDAMENTAL RIGHTS 4.2 BASI 4.3 TRANSPARENCY 4.3 ESCURITY: Homicide rate (per 100,000 inhabitants) 4.3 TRANSPARENCY 4.3 Basel anti-money laundering index (0-100)	1.4.1	Gross value added of manufacturing (% of GDP)	20.2	10	67.3	1		
2.1 HEALTH: Healthy life expectancy at birth (years) 2.2 WORK AND INCLUSION  2.2.1 Employment rate of the population aged 20-64 (%)  2.2.2 Employment rate of the population aged 20-64 (%)  2.2.3 Employment-to-population ratio gender gap 25+ (%)  2.2.3 Early childhood care and education (%)  2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  2.4 EQUALITY  2.5 Gini coefficient disposable income post taxes and transfers (0-100)  2.4.1 (0-100)  2.4.2 Income share held by the poorest quintile (%)  3.1 Environmental transition  2.7 60.8  3.1 (bonnes per capita)  3.2 BIODIVERSITY  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.3.2 Pesticide use per area of cropland (kg/ha)  3.4 ENERGY PRODUCTIVITY: Resource productivity (PPPS per kg)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  4.1 FUNDAMENTAL RIGHTS  4.1 Voice and accountability index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3 TRANSPARENCY  4.3 Basel anti-money laundering index (0-100)	1.4.2	Patent families filed in two offices (per billion PPP\$ GDP)	1.3	25	66.1	7 <u>7</u>		
2.2 WORK AND INCLUSION  2.2.1 Employment rate of the population aged 20-64 (%)  2.2.2 Employment-to-population ratio gender gap 25+ (%)  2.2.3 Early childhood care and education (%)  2.3 EREC OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  2.4 EQUALITY  2.5 Gini coefficient disposable income post taxes and transfers (0-100)  2.4.2 Income share held by the poorest quintile (%)  3.1 (connes per capita)  3.2 BIODIVERSITY  3.3 BIODIVERSITY  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.3.3 Pesticide use per area of cropland (kg/ha)  3.4 ENERGY PRODUCTIVITY: Resource productivity (PPS per kg)  3.4 ENERGY PRODUCTIVITY: Resource productivity (PPPS per koe)  4.1 FUNDAMENTAL RIGHTS  4.1 Voice and accountability index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3 TRANSPARENCY  4.3 TRANSPARENCY  4.3 Basel anti-money laundering index (0-100)  5. O 5. FREE OR NON-REMUNERATED TIME: FREE OR NO	2.	Social transition		6	83.1	7		
2.2.1 Employment rate of the population aged 20-64 (%) 2.2.2 Employment-to-population ratio gender gap 25+ (%) 2.2.3 Early childhood care and education (%) 65.6 19 75.9 ↑  2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%) 2.4 EQUALITY 2.4.1 Gini coefficient disposable income post taxes and transfers (0-100) 2.4.2 Income share held by the poorest quintile (%) 2.4.1 Environmental transition 2.4.2 Income share held by the poorest quintile (%) 2.4.3 Environmental transition 3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3.2 BIODIVERSITY 3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per kg) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 4.1 FUNDAMENTAL RIGHTS 4.1 FUNDAMENTAL RIGHTS 4.1 Voice and accountability index (z-score) 4.1 SECURITY: Homicide rate (per 100,000 inhabitants) 5. SECURITY: Homicide rate (per 100,000 inhabitants) 5. FOR SECURITY: Homicide rate (per 100,000 inhabitants) 6. Corruption perceptions index (0-100) 6.0.0 26 60.0 Union for the foliation of the production of the control of the c	2.1	HEALTH: Healthy life expectancy at birth (years)	68.3	28	77.8	7		
2.2.2 Employment-to-population ratio gender gap 25+ (%) 2.3 Early childhood care and education (%) 5.6 19 75.9 ↑  2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%) 2.4 EQUALITY 1 93.0 −  2.4.1 Gini coefficient disposable income post taxes and transfers (0-100) 2.4.2 Income share held by the poorest quintile (%) 3. Environmental transition 2.7 60.8 ↑  3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3.2 BIODIVERSITY 1 18 78.5 −  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per kg) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 4.1 FUNDAMENTAL RIGHTS 4.1 Voice and accountability index (z-score) 4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 4.3 TRANSPARENCY 2.4 84.7 V 4.5 Corruption perceptions index (0-100) 4.5 Basel anti-money laundering index (0-100) 4.5 Basel anti-money laundering index (0-100) 5 SR.0 18 78.2 7 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7	2.2	WORK AND INCLUSION		14	77.4	7		
2.2.3 Early childhood care and education (%) 65.6 19 75.9 ↑  2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%) 1 93.0 − 1 1 93.0 − 1 1 93.0 − 1 1 93.0 − 1 1 93.0 − 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2.2.1	Employment rate of the population aged 20-64 (%)	75.4	25	70.8	<b>↑</b>		
2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  2.4 EQUALITY  2.5 EQUALITY  2.6 Gini coefficient disposable income post taxes and transfers (0-100)  2.6 Income share held by the poorest quintile (%)  3.1 Environmental transition  3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3.2 BIODIVERSITY  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.2.3 Pesticide use per area of cropland (kg/ha)  3.3 RESOURCE PRODUCTIVITY: Resource productivity  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  4. Governance transition  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  4.3.2 Basel anti-money laundering index (0-100)  3.7 8 63.0   4.7   4.8   4.9   4.9   4.10   4.11 Corruption perceptions index (0-100)  4.12 Basel anti-money laundering index (0-100)  4.3.2 Basel anti-money laundering index (0-100)  4.3.3 Basel anti-money laundering index (0-100)	2.2.2	Employment-to-population ratio gender gap 25+ (%)	10.6	12	84.8	- ~~~		
2.4 EQUALITY	2.2.3	Early childhood care and education (%)	65.6	19	75.9	<b>1</b>		
2.4.1 Gini coefficient disposable income post taxes and transfers (0-100) 2.4.2 Income share held by the poorest quintile (%) 2.4.2 Income share held by the poorest quintile (%) 3. Environmental transition 2.7 60.8 3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tronnes per capita) 3.2 BIODIVERSITY 3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.2.3 Pesticide use per area of cropland (kg/ha) 3.4 ENERGY PRODUCTIVITY: Resource productivity (PPPS per kg) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 4. Governance transition 4.1 FUNDAMENTAL RIGHTS 4.1.1 Voice and accountability index (z-score) 4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 4.3 TRANSPARENCY 4.3.1 Corruption perceptions index (0-100) 4.3.2 Basel anti-money laundering index (0-101) 3.7 8 63.0 4.1 FUNDAMENTAL RIGHTS 4.3 TRANSPARENCY 4.3 TRANSPARENCY 5.4 ENERGY PRODUCTION (0-100) 5. To 100.0 5. To 10	2.3		58.0	18	78.2	7		
24.2 1 90.7 −  24.2 1 100.0 1 100.0 −  24.2 1 100.0 −  3. Environmental transition 27 60.8 ↑  3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 8.5 42 64.6 7  3.2 BIODIVERSITY 18 78.5 −  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 85.1 12 85.1 −  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 77.5 22 77.5 −  3.2.3 Pesticide use per area of cropland (kg/ha) 4.6 46 67.4 −  3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per kg)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 11.1 37 55.5 ↑  4. Governance transition 16 77.8 1	2.4	EQUALITY		1	93.0			
3. Environmental transition  3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3.2 BIODIVERSITY  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.2.3 Pesticide use per area of cropland (kg/ha)  3.4 ENERGY PRODUCTIVITY: Resource productivity (PPP\$ per koe)  4. Governance transition  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.3 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  4.3.2 Basel anti-money laundering index (0-100)  3.7 8 63.0	2.4.1	Gini coefficient disposable income post taxes and transfers (0-100)	24.2	1	90.7	-		
3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3.2 BIODIVERSITY 3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.2.3 Pesticide use per area of cropland (kg/ha) 3.4 RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe) 4.1 FUNDAMENTAL RIGHTS 4.1.1 Voice and accountability index (z-score) 4.1.2 Rule of law index (z-score) 4.3 TRANSPARENCY 4.3.1 Corruption perceptions index (0-100) 4.3.2 Basel anti-money laundering index (0-101) 3.7 8 63.0  4.7  4.8 TRANSPARENCY 4.9 Governance transition 4.9 Governance transition 4.1 Corruption perceptions index (0-100) 4.3 TRANSPARENCY 4.3 TRANSPARENCY 4.3.1 Corruption perceptions index (0-100) 4.3 Basel anti-money laundering index (0-100) 4.3 TRANSPARENCY 4.3.2 Basel anti-money laundering index (0-100) 4.3 TRANSPARENCY	2.4.2	Income share held by the poorest quintile (%)	10.0	1	100.0	-		
3.2 BIODIVERSITY  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.2.3 Pesticide use per area of cropland (kg/ha)  3.4 ENERGY PRODUCTIVITY: Resource productivity (PPP\$ per koe)  4. Governance transition  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  4.3.2 Basel anti-money laundering index (0-101)  8.5 42 64.6	3.	Environmental transition		27	60.8	1		
3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.2.3 Pesticide use per area of cropland (kg/ha) 4.6 46 67.4  3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe) 4.1 FUNDAMENTAL RIGHTS 4.1 FUNDAMENTAL RIGHTS 4.1.1 Voice and accountability index (z-score) 4.1.2 Rule of law index (z-score) 4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 4.3 TRANSPARENCY 4.3.1 Corruption perceptions index (0-100) 4.3.2 Basel anti-money laundering index (0-10) 3.7 8 63.0	3.1		8.5	42	64.6	7		
3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.2.3 Pesticide use per area of cropland (kg/ha) 4.6 46 67.4 − 3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe) 4.1 FUNDAMENTAL RIGHTS 4.1.1 Voice and accountability index (z-score) 4.1.2 Rule of law index (z-score) 4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 4.3 TRANSPARENCY 4.3.1 Corruption perceptions index (0-100) 4.3.2 Basel anti-money laundering index (0-10) 3.7 8 63.0  4.6 67.4  4.6 67.4  4.6 67.4  4.7  4.4  4.6 67.4  4.6 67.4  4.7  4.7  4.8  4.9  4.4  4.4  4.6  4.6 67.4  4.6 67.4  4.7  4.8  4.9  4.4  4.4  4.4  4.6  4.6 67.4  4.7  4.7  4.9  4.9  4.9  4.9  4.9  4.9  4.9  4.9	3.2	BIODIVERSITY		18	78.5			
3.2.3 Pesticide use per area of cropland (kg/ha)  3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)  4. Governance transition  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  4.3.2 Basel anti-money laundering index (0-10)  4.6 67.4  - 23 44.4  ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑	3.2.1	Terrestrial key biodiversity areas (KBAs) protected (%)	85.1	12	85.1			
3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)  4. Governance transition  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  4.3.2 Basel anti-money laundering index (0-10)  3.7 8 63.0    4.4.4 ↑  4.1.1 Voice and accountability index (z-score)  1.0 27 83.9 ↓  4.1.2 Rule of law index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  4.3.2 Basel anti-money laundering index (0-10)	3.2.2	Freshwater key biodiversity areas (KBAs) protected (%)	77.5	22	77.5			
3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)  4. Governance transition  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  4.3.2 Basel anti-money laundering index (0-10)  3.7 8 63.0   4.4.4 T  4.1.1 Voice and accountability index (per kee)  8.4.7 Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep.	3.2.3	Pesticide use per area of cropland (kg/ha)	4.6	46	67.4	- /		
4.1 FUNDAMENTAL RIGHTS  4.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  4.3.2 Basel anti-money laundering index (0-10)  16 77.8  24 84.7  1.0 27 83.9  1.1 25 85.5  - 20  4.1 25 ECURITY: Homicide rate (per 100,000 inhabitants)  6.5 7 89.1  6.6 60.0  1.7 8 63.0  1.8 4.7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3.3		2.7	23	44.4	1		
4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  4.3.2 Basel anti-money laundering index (0-10)  24 84.7   1.0 27 83.9   25 85.5   7 89.1   26 61.8   47 4.3 4.3 4.3 4.3 4.3 4.3 4.3 4.3 4.3 4.3	3.4	ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)	11.1	37	55.5	<b>↑</b>		
4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  4.3.2 Basel anti-money laundering index (0-10)  1.0 27 83.9  1.1 25 85.5  - 22 61.8  ↓  4.3 TRANSPARENCY  22 61.8  ↓  4.3.1 Corruption perceptions index (0-100)  3.7 8 63.0 ↓	4.	Governance transition		16	77.8	<u>и</u> и		
4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  4.3.2 Basel anti-money laundering index (0-10)  1.1 25 85.5 −  89.1 −  22 61.8 ↓  4.3.1 Corruption perceptions index (0-100)  3.7 8 63.0 ↓	4.1	FUNDAMENTAL RIGHTS		24	84.7	<u>∨</u>		
4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  22 61.8 ↓  4.3.1 Corruption perceptions index (0-100)  4.3.2 Basel anti-money laundering index (0-10)  3.7 8 63.0 ↓	4.1.1	Voice and accountability index (z-score)	1.0	27	83.9	<u>V</u>		
4.3 TRANSPARENCY       22       61.8       ↓         4.3.1 Corruption perceptions index (0-100)       60.0       26       60.0       ↓         4.3.2 Basel anti-money laundering index (0-10)       3.7       8       63.0       ↓	4.1.2	Rule of law index (z-score)	1.1	25	85.5	- ~~~		
4.3.1 Corruption perceptions index (0-100) 60.0 26 60.0 3 4.3.2 Basel anti-money laundering index (0-10) 3.7 8 63.0 ↓	4.2	SECURITY: Homicide rate (per 100,000 inhabitants)	0.5	7	89.1	- ~~~		
4.3.2 Basel anti-money laundering index (0-10) 3.7 8 63.0	4.3	TRANSPARENCY		22	61.8	<b>V</b>		
	4.3.1	Corruption perceptions index (0-100)	60.0	26	60.0	<u>и</u>		
4.4 COUND DUDI IC FINANCES, Covergency over debt (0), of CDD) 70.4 F7 70.7	4.3.2	Basel anti-money laundering index (0-10)	3.7	8	63.0	<b>V</b>		
4.4 SOUND POBLIC FINANCES: GOVERNMENT Gross debt (% of GDP) 70.4 53 70.7	4.4	SOUND PUBLIC FINANCES: Government gross debt (% of GDP)	70.4	53	70.7	<b>V</b>		

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

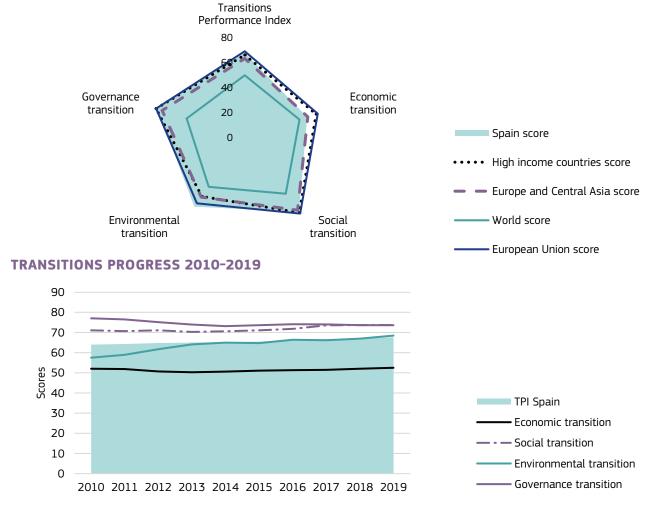
Note: Progress lines use automatic scaling.



<b>SPAIN</b>			
POPULATION (million inhabitants)	46.7	GDP PER CAPITA (current PPP\$)	41 592.3
GROSS DOMESTIC PRODUCT (GDP) (billion PPP\$)	1 940.5	TRADE (% of GDP)	66.9
SUMMARY INNOVATION INDEX (0-100)	43.2	DIGITAL ECONOMY AND SOCIETY INDEX (0-100)	57.5

2019	TPI	TRANSITIONS					
2019	IPI	ECONOMIC SOCIAL		ENVIRONMENTAL	GOVERNANCE		
Spain ranks	18	34	26	9	24		
Spain score	67.6	52.5	73.7	68.5	73.7		
World weighted average score	49.7	46.1	55.8	48.9	48.8		
High income countries score	66.0	60.0	74.4	58.4	74.5		
Europe and Central Asia score	63.1	53.1	72.0	59.1	69.5		
European Union score	68.8	61.4	75.4	65.2	74.5		

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]





SPAIN	SPAIN		2019	2010-2019	
JEANN		VALUE	RANK	SCORE	SCORE PROGRESS
TRANSITION	IS PERFORMANCE INDEX		18	67.6	-
1. Ecor	nomic transition		34	52.5	-
	CATION: Government expenditure in education per student of GDP per capita)	16.6	33	66.3	и /
1.2 WEA	LTH: GDP per capita, current dollars (PPP\$)	41 592.3	24	55.5	<b>↑</b>
1.3 LABO	OUR PRODUCTIVITY & R&D INTENSITY		27	40.3	-
1.3.1 Outp	out per worker (2011 constant GDP PPP\$)	84 686.4	21	56.5	-
1.3.2 Gros	ss expenditure on R&D (% of GDP)	1.2	32	24.1	<b>V</b>
1.4 INDU	JSTRIAL BASE		40	44.9	7 ~~~ K
1.4.1 Gros	ss value added of manufacturing (% of GDP)	11.1	51	37.0	7 \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
1.4.2 Pate	ent families filed in two offices (per billion PPP\$ GDP)	0.7	31	56.9	<u>и</u>
2. Soci	ial transition		26	73.7	- ~
2.1 HEAL	LTH: Healthy life expectancy at birth (years)	72.2	5	90.7	-
2.2 WOR	RK AND INCLUSION		32	69.3	7
2.2.1 Emp	loyment rate of the population aged 20-64 (%)	67.0	43	54.0	<b>↑</b>
2.2.2 Emp	loyment-to-population ratio gender gap 25+ (%)	13.8	29	80.3	-
2.2.3 Early	y childhood care and education (%)	66.8	17	77.9	7
7.5	OR NON-REMUNERATED TIME:	55.9	26	74.4	_
	or non-remunerated time (%) ALITY		42	63.6	
Gini	coefficient disposable income post taxes and transfers				
2.4.1 (0-10	00)	34.7	38	67.3	- \
	me share held by the poorest quintile (%)	6.2	49	52.5	7 ~ ~
	ironmental transition		9	68.5	1
5 1	SSIONS REDUCTION: Gross greenhouse gas emissions nes per capita)	7.7	36	67.9	
3.2 BIOD	DIVERSITY		37	55.9	7 \
	estrial key biodiversity areas (KBAs) protected (%)	56.6	33	56.6	/
3.2.2 Fresh	hwater key biodiversity areas (KBAs) protected (%)	46.1	35	46.1	-
	icide use per area of cropland (kg/ha)	3.6	43	74.4	<b>V</b>
	OURCE PRODUCTIVITY: Resource productivity \$ per kg)	4.6	7	76.5	1
3.4 ENEF	RGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)	14.7	15	73.7	<b>↑</b>
4. Gove	ernance transition		24	73.7	<u>и</u>
4.1 FUNI	DAMENTAL RIGHTS		25	84.5	<u>v</u>
4.1.1 Voice	e and accountability index (z-score)	1.1	21	85.6	<u>и</u> и
4.1.2 Rule	of law index (z-score)	1.0	29	83.4	<u>v</u>
4.2 SECU	JRITY: Homicide rate (per 100,000 inhabitants)	0.6	15	86.6	-
4.3 TRAN	NSPARENCY		30	56.7	7
4.3.1 Corru	uption perceptions index (0-100)	58.0	31	58.0	<b>V</b>
4.3.2 Base	el anti-money laundering index (0-10)	4.4	24	55.8	<u>v</u>
4.4 SOUI	ND PUBLIC FINANCES: Government gross debt (% of GDP)	97.6	63	53.2	<b>+</b>

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

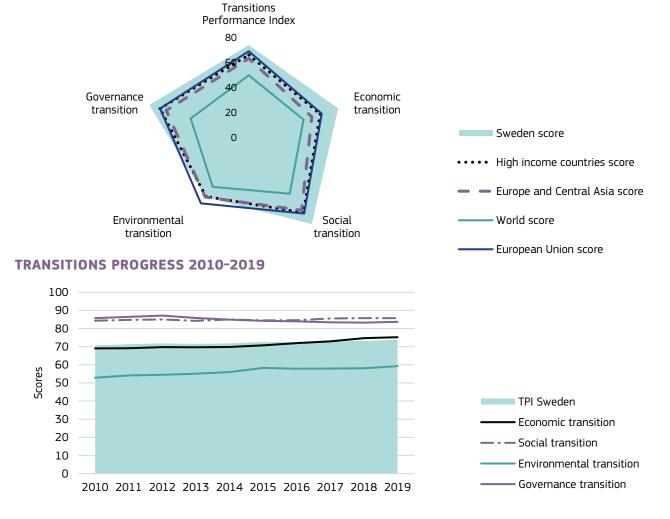
Note: Progress lines use automatic scaling.



<b>SWEDEN</b>			
POPULATION (million inhabitants)	10.3	GDP PER CAPITA (current PPP\$)	54 628.1
GROSS DOMESTIC PRODUCT (GDP) (billion PPP\$)	563.9	TRADE (% of GDP)	90.5
SUMMARY INNOVATION INDEX (0-100)	71.3	DIGITAL ECONOMY AND SOCIETY INDEX (0-100)	69.7

2019	TPI	TRANSITIONS					
2019	IPI	ECONOMIC SOCIAL		ENVIRONMENTAL	GOVERNANCE		
Sweden ranks	6	2	3	29	5		
Sweden score	73.8	75.2	85.7	59.2	83.7		
World weighted average score	49.7	46.1	55.8	48.9	48.8		
High income countries score	66.0	60.0	74.4	58.4	74.5		
Europe and Central Asia score	63.1	53.1	72.0	59.1	69.5		
European Union score	68.8	61.4	75.4	65.2	74.5		

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]





CWEDEN		2	2019			2010-2019	
SWEDEN		VALUE	RANK	SCORE	SCOR	E PROGRESS	
TRANS	ITIONS PERFORMANCE INDEX		6	73.8	- ,		
1.	Economic transition		2	75.2	7 _		
1.1	EDUCATION: Government expenditure in education per student (% of GDP per capita)	24.1	1	96.5	1		
1.2	WEALTH: GDP per capita, current dollars (PPP\$)	54 628.1	11	72.8	1		
1.3	LABOUR PRODUCTIVITY & R&D INTENSITY		6	65.0	- ,		
1.3.1	Output per worker (2011 constant GDP PPP\$)	95 155.4	13	63.4	7		
1.3.2	Gross expenditure on R&D (% of GDP)	3.3	4	66.5			
1.4	INDUSTRIAL BASE		14	62.2	7	<u></u>	
1.4.1	Gross value added of manufacturing (% of GDP)	13.3	32	44.3	<b>↓</b>	<b>\</b>	
1.4.2	Patent families filed in two offices (per billion PPP\$ GDP)	7.1	5	89.1	7		
2.	Social transition		3	85.7	- ,	~~	
2.1	HEALTH: Healthy life expectancy at birth (years)	71.5	14	88.5	- ,		
2.2	WORK AND INCLUSION		2	86.6	- ,		
2.2.1	Employment rate of the population aged 20-64 (%)	82.4	5	84.8	7		
2.2.2	Employment-to-population ratio gender gap 25+ (%)	7.2	2	89.7	- ,		
2.2.3	Early childhood care and education (%)	70.4	12	83.9			
2.3	FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)	65.3	2	91.4	-		
2.4	EQUALITY		13	80.0	7	~~	
2.4.1	Gini coefficient disposable income post taxes and transfers (0-100)	28.8	13	80.4	ע	~~	
2.4.2	Income share held by the poorest quintile (%)	8.3	16	78.8	<b>V</b>	<b>\</b>	
3.	Environmental transition		29	59.2	7		
3.1	EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)	5.5	17	77.1	7		
3.2	BIODIVERSITY		27	67.3	- ,		
3.2.1	Terrestrial key biodiversity areas (KBAs) protected (%)	58.4	31	58.4	- ,		
3.2.2	Freshwater key biodiversity areas (KBAs) protected (%)	61.9	30	61.9	- /		
3.2.3	Pesticide use per area of cropland (kg/ha)	0.6	10	95.8	- /	~	
3.3	RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)	2.2	32	37.3	<b>↑</b>		
3.4	ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)	11.0	38	55.2	1		
4.	Governance transition		5	83.7	7 -	~	
4.1	FUNDAMENTAL RIGHTS		5	95.9	- /	<b></b>	
4.1.1	Voice and accountability index (z-score)	1.6	6	94.6	- /	<b>/</b>	
4.1.2	Rule of law index (z-score)	1.9	4	97.1	۷ -		
4.2	SECURITY: Homicide rate (per 100,000 inhabitants)	1.1	26	79.7	٧ -	^_	
4.3	TRANSPARENCY		4	72.9	7	~~	
4.3.1	Corruption perceptions index (0-100)	85.0	3	85.0	_ لا		
4.3.2	Basel anti-money laundering index (0-10)	3.5	5	64.9	7	~~	
4.4	SOUND PUBLIC FINANCES: Government gross debt (% of GDP)	38.8	22	91.1	ע ־		
Tunnaid	tion loads [75, 100]	NACHERS AND STREET	45 555		[0 45]		

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

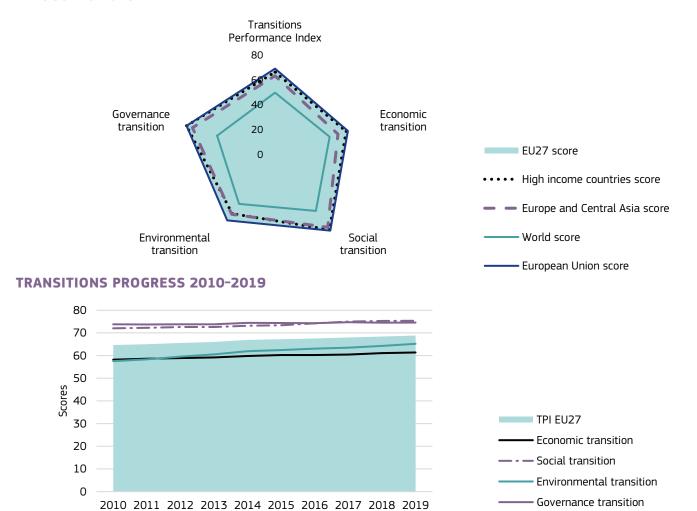
Note: Progress lines use automatic scaling.



<b>EUROPEAN UNION</b>			
POPULATION (million inhabitants)	444.4	GDP PER CAPITA (current PPP\$)	44 201.8
GROSS DOMESTIC PRODUCT (GDP) (billion PPP\$)	19 643.0	TRADE (% of GDP)	95.1

2019	TPI	TRANSITIONS					
2019	IPI	ECONOMIC SOCIAL		ENVIRONMENTAL	GOVERNANCE		
EU27 ranks	16	17	22	15	21		
EU27 score	68.8	61.4	75.4	65.2	74.5		
World weighted average score	49.7	46.1	55.8	48.9	48.8		
High income countries score	66.0	60.0	74.4	58.4	74.5		
Europe and Central Asia score	63.1	53.1	72.0	59.1	69.5		

Transition leader [75-100] Strong transition [65-75] Good transition [55-65] Moderate transition [45-55] Weak transition [0-45]





FIII	ROPEAN UNION		2019		2010-2019	
	VALUE RANK		SCORE	SCORE PROGRESS		
TRANS	ITIONS PERFORMANCE INDEX		16	68.8	-	
1.	Economic transition		17	61.4	-	
1.1	EDUCATION: Government expenditure in education per student (% of GDP per capita)	18.0	25	72.0	7	
1.2	WEALTH: GDP per capita, current dollars (PPP\$)	44 201.8	25	58.9	1	
1.3	LABOUR PRODUCTIVITY & R&D INTENSITY		22	48.3	7	
1.3.1	Output per worker (2011 constant GDP PPP\$)	85 067.3	20	56.7	7	
1.3.2	Gross expenditure on R&D (% of GDP)	2.0	16	39.9	7	
1.4	INDUSTRIAL BASE		16	61.1	- ~	
1.4.1	Gross value added of manufacturing (% of GDP)	14.9	25	49.7	- ~	
1.4.2	Patent families filed in two offices (per billion PPP\$ GDP)	3.2	16	78.1	٧ لا	
2.	Social transition		22	75.4	-	
2.1	HEALTH: Healthy life expectancy at birth (years)	69.8	29	82.6	-	
2.2	WORK AND INCLUSION		28	72.3	7	
2.2.1	Employment rate of the population aged 20-64 (%)	72.4	32	64.8	<b>↑</b>	
2.2.2	Employment-to-population ratio gender gap 25+ (%)	13.9	29	80.1	-	
2.2.3	Early childhood care and education (%)	63.1	21	71.9	1	
2.3	FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)	56.7	24	75.8	7	
2.4	EOUALITY		28	71.7		
2.4.1	Gini coefficient disposable income post taxes and transfers (0-100)	32.2	24	72.9	- 🍑	
2.4.2	,	7.4	30	68.0	<u>v</u>	
<b>3</b> .	Environmental transition		15	65.2	1	
3.1	EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)	8.9	48	62.9	-	
3.2	BIODIVERSITY		20	78.4		
3.2.1	Terrestrial key biodiversity areas (KBAs) protected (%)	78.3	20	78.3	- /	
3.2.2	Freshwater key biodiversity areas (KBAs) protected (%)	78.7	20	78.7	- /	
3.2.3	Pesticide use per area of cropland (kg/ha)	3.1	40	78.0	Z ~ K	
3.3	RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)	3.0	19	50.8	1	
3.4	ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)	13.7	25	68.6	<b>↑</b>	
4.	Governance transition		21	74.5		
4.1	FUNDAMENTAL RIGHTS		25	86.1	у <u>~</u>	
4.1.1	Voice and accountability index (z-score)	1.1	20	86.7	V ~~~~ K	
4.1.2	Rule of law index (z-score)	1.1	25	85.4	у — <u>к</u>	
4.2	SECURITY: Homicide rate (per 100,000 inhabitants)	1.0	26	81.1	- /	
4.3	TRANSPARENCY		26	59.7		
4.3.1	Corruption perceptions index (0-100)	65.5	23	65.5		
4.3.2	Basel anti-money laundering index (0-10)	4.4	23	55.9	7 K	
4.4	SOUND PUBLIC FINANCES: Government gross debt (% of GDP)	79.7	58	64.7		
	tion loader [75, 100] Ctrong transition [65, 75] Conditransition [55, 65]					

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

Note: Progress lines use automatic scaling.

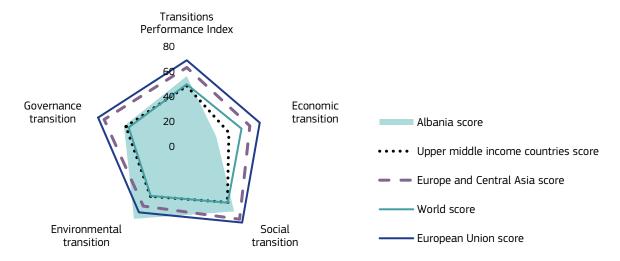


<b>ALBANIA</b>			
POPULATION (million inhabitants)	2.9	GDP PER CAPITA (current PPP\$)	13 991.1
GROSS DOMESTIC PRODUCT (GDP) (billion PPP\$)	40.2	TRADE (% of GDP)	76.7

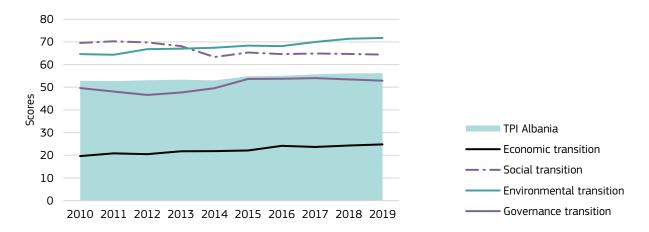
2019	TPI	TRANSITIONS					
2019	IPI	ECONOMIC SOCIAL		ENVIRONMENTAL	GOVERNANCE		
Albania ranks	39	67	41	8	53		
Albania score	56.2	24.8	64.4	71.7	52.9		
World weighted average score	49.7	46.1	55.8	48.9	48.8		
Upper middle income countries score	48.2	35.4	55.4	49.4	51.2		
Europe and Central Asia score	63.1	53.1	72.0	59.1	69.5		
European Union score	68.8	61.4	75.4	65.2	74.5		

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

# **TPI SCORES 2019**



# **TRANSITIONS PROGRESS 2010-2019**





AL DANIA		2019			2010-2019		
ALI	ALBANIA		RANK	SCORE	SC	ORE PROGRESS	
TRANS	ITIONS PERFORMANCE INDEX		39	56.2	-		
1.	Economic transition		67	24.8	<b>1</b>		
1.1	EDUCATION: Government expenditure in education per student (% of GDP per capita)	11.0	56	43.9	<b>↑</b>		
1.2	WEALTH: GDP per capita, current dollars (PPP\$)	13 991.1	60	18.7	<b>1</b>		
1.3	LABOUR PRODUCTIVITY & R&D INTENSITY		62	12.0	7		
1.3.1	Output per worker (2011 constant GDP PPP\$)	31 421.4	59	20.9	<b>1</b>		
1.3.2	Gross expenditure on R&D (% of GDP)	0.2	71	3.1	_		
1.4	INDUSTRIAL BASE		72	18.3	<b>1</b>	<b>//</b>	
1.4.1	Gross value added of manufacturing (% of GDP)	6.2	68	20.7	7		
1.4.2	Patent families filed in two offices (per billion PPP\$ GDP)	0.0	64	14.7	<b>1</b>		
2.	Social transition		41	64.4	7	~	
2.1	HEALTH: Healthy life expectancy at birth (years)	66.7	33	72.5	7		
2.2	WORK AND INCLUSION		54	53.0	7	~	
2.2.1	Employment rate of the population aged 20-64 (%)	54.7	59	29.5	<b>4</b>		
2.2.2	Employment-to-population ratio gender gap 25+ (%)	17.2	41	75.5	_		
2.2.3	Early childhood care and education (%)	53.0	42	55.0	<b>1</b>		
2.3	FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)	45.6	55	55.6	<b>4</b>		
2.4	EQUALITY		30	70.2	$\downarrow$	<b>—</b>	
2.4.1	Gini coefficient disposable income post taxes and transfers (0-100)	33.2	31	70.7	7		
2.4.2	Income share held by the poorest quintile (%)	7.5	29	68.8	$\downarrow$		
3.	Environmental transition		8	71.7	7		
3.1	EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)	3.1	8	87.1	Ŋ		
3.2	BIODIVERSITY		7	88.6	<b>1</b>		
3.2.1	Terrestrial key biodiversity areas (KBAs) protected (%)	76.1	23	76.1	7		
3.2.2	Freshwater key biodiversity areas (KBAs) protected (%)	99.0	2	99.0	<b>1</b>		
3.2.3	Pesticide use per area of cropland (kg/ha)	1.0	17	92.9	7		
3.3	RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)	1.8	44	30.8	<b>1</b>	~	
3.4	ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)	16.1	8	80.3	7	<b>N</b>	
4.	Governance transition		53	52.9	7		
4.1	FUNDAMENTAL RIGHTS		51	46.5	_		
4.1.1	Voice and accountability index (z-score)	0.2	46	58.2	_		
4.1.2	Rule of law index (z-score)	(0.4)	61	34.7	_		
4.2	SECURITY: Homicide rate (per 100,000 inhabitants)	2.3	50	67.0	<b>↑</b>		
4.3	TRANSPARENCY		61	38.4	7		
4.3.1	Corruption perceptions index (0-100)	36.0	57	36.0	7		
4.3.2	Basel anti-money laundering index (0-10)	6.0	59	40.0	$\downarrow$		
4.4	SOUND PUBLIC FINANCES: Government gross debt (% of GDP)	66.7	50	73.1	7		
Transit	ion leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ M	nderate transition [4	15-55[ 1	Weak transiti	ion [0-4	151	

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

Note: Progress lines use automatic scaling.

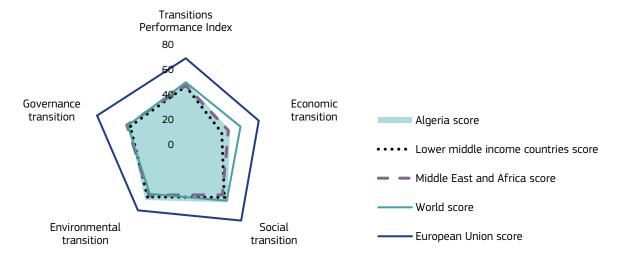


<b>ALGERIA</b>			
POPULATION (million inhabitants)	43.4	GDP PER CAPITA (current PPP\$)	15 696.4
GROSS DOMESTIC PRODUCT (GDP) (billion PPP\$)	681.4	TRADE (% of GDP)	52.0

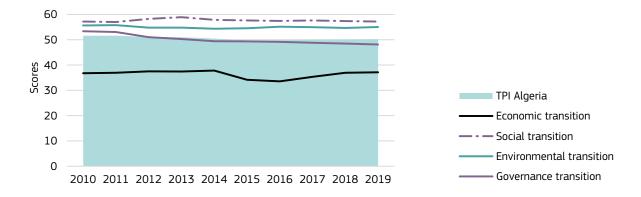
2019	TPI	TRANSITIONS					
2019	IPI	ECONOMIC	SOCIAL	ENVIRONMENTAL	GOVERNANCE		
Algeria ranks	49	54	55	37	60		
Algeria score	50.2	37.1	57.2	55.1	48.1		
World weighted average score	49.7	46.1	55.8	48.9	48.8		
Lower middle income countries score	46.4	30.3	52.5	52.0	46.6		
Middle East and Africa score	47.1	35.9	49.9	50.2	49.6		
European Union score	68.8	61.4	75.4	65.2	74.5		

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

# **TPI SCORES 2019**



# **TRANSITIONS PROGRESS 2010-2019**





ALGERIA		2019			2010-2019		
AL	ALGERIA		RANK	SCORE	SCO	RE PROGRESS	
TRANS	ITIONS PERFORMANCE INDEX		49	50.2	7		
1.	Economic transition		54	37.1	-		
1.1	EDUCATION: Government expenditure in education per student (% of GDP per capita)	9.7	60	38.7	7		
1.2	WEALTH: GDP per capita, current dollars (PPP\$)	15 696.4	55	20.9	<b>1</b>		
1.3	LABOUR PRODUCTIVITY & R&D INTENSITY		46	23.9	<b>1</b>		
1.3.1	Output per worker (2011 constant GDP PPP\$)	55 361.1	43	36.9	<b>1</b>		
1.3.2	Gross expenditure on R&D (% of GDP)	0.5	53	10.8	-		
1.4	INDUSTRIAL BASE		22	55.2	<b>\</b>		
1.4.1	Gross value added of manufacturing (% of GDP)	27.2	4	90.6	7		
1.4.2	Patent families filed in two offices (per billion PPP\$ GDP)	0.0	71	2.1	<b>\</b>		
2.	Social transition		55	57.2	-	<b>✓</b>	
2.1	HEALTH: Healthy life expectancy at birth (years)	65.4	41	68.2	_		
2.2	WORK AND INCLUSION		66	22.8	_	<b>/</b>	
2.2.1	Employment rate of the population aged 20-64 (%)	43.2	68	6.4	<b>4</b>	^	
2.2.2	Employment-to-population ratio gender gap 25+ (%)	55.3	68	21.0	<b>1</b>		
2.2.3	Early childhood care and education (%)	55.4	33	58.9	7		
2.3	FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)	30.7	69	28.5	<b>4</b>	<b>✓</b>	
2.4	EQUALITY		8	85.5	_		
2.4.1	Gini coefficient disposable income post taxes and transfers (0-100)	27.6	10	83.1	-		
2.4.2	Income share held by the poorest quintile (%)	9.4	6	92.5	-		
3.	Environmental transition		37	55.1	7	~~	
3.1	EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)	4.1	14	82.9	-	_//	
3.2	BIODIVERSITY		36	56.1	-	<b>√</b>	
3.2.1	Terrestrial key biodiversity areas (KBAs) protected (%)	40.2	45	40.2	-		
3.2.2	Freshwater key biodiversity areas (KBAs) protected (%)	52.5	34	52.5	-		
3.2.3	Pesticide use per area of cropland (kg/ha)	0.7	12	94.9	7	<u></u>	
3.3	RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)	1.8	45	30.5	<b>↑</b>	/	
3.4	ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)	10.2	44	50.8	<b>\</b>	~~	
4.	Governance transition		60	48.1	7		
4.1	FUNDAMENTAL RIGHTS		70	19.1	_		
4.1.1	Voice and accountability index (z-score)	(1.0)	64	16.3	7		
4.1.2	Rule of law index (z-score)	(0.8)	70	21.9	_		
4.2	SECURITY: Homicide rate (per 100,000 inhabitants)	1.4	37	76.2	$\downarrow$	<b>\</b>	
4.3	TRANSPARENCY		67	36.3	<b>4</b>		
4.3.1	Corruption perceptions index (0-100)	35.0	61	35.0	_		
4.3.2	Basel anti-money laundering index (0-10)	6.3	64	37.2	$\downarrow$		
4.4	SOUND PUBLIC FINANCES: Government gross debt (% of GDP)	46.1	30	86.4	<b>4</b>		
■ Transit	ion leader [75-100] Strong transition [65-75] Good transition [55-65]	loderate transition [4	5-55[	Weak transit	ion [0-45	<u>[</u>	

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

Note: Progress lines use automatic scaling.

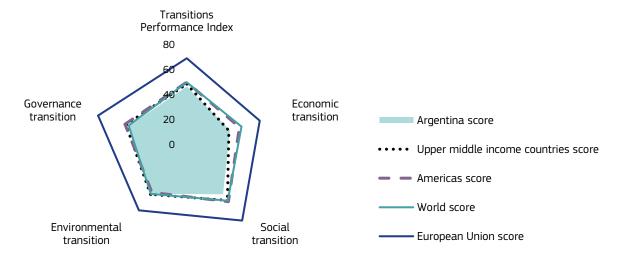


ARGENTINA			
POPULATION (million inhabitants)	45.1	GDP PER CAPITA (current PPP\$)	20 055.3
GROSS DOMESTIC PRODUCT (GDP) (billion PPP\$)	903.5	TRADE (% of GDP)	32.4

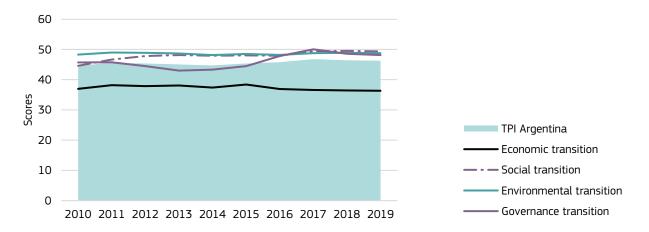
2019	TPI	TRANSITIONS					
2019	IPI	ECONOMIC	SOCIAL	ENVIRONMENTAL	GOVERNANCE		
Argentina ranks	61	56	64	49	59		
Argentina score	46.3	36.3	49.3	48.8	48.2		
World weighted average score	49.7	46.1	55.8	48.9	48.8		
Upper middle income countries score	48.2	35.4	55.4	49.4	51.2		
America score	49.8	44.2	56.7	47.5	52.0		
European Union score	68.8	61.4	75.4	65.2	74.5		

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

# **TPI SCORES 2019**



# **TRANSITIONS PROGRESS 2010-2019**





	ENTINA		2019			2010-2019		
	ARGENTINA		RANK	SCORE	SC	ORE PROGRESS		
TRANSIT	TIONS PERFORMANCE INDEX		61	46.3	-	~		
1. E	Economic transition		56	36.3	7	~~~		
	EDUCATION: Government expenditure in education per student (% of GDP per capita)	13.6	46	54.3	<b>↑</b>			
1.2 V	WEALTH: GDP per capita, current dollars (PPP\$)	20 055.3	49	26.7	7			
1.3 L	LABOUR PRODUCTIVITY & R&D INTENSITY		54	19.4	7			
1.3.1	Output per worker (2011 constant GDP PPP\$)	42 086.0	50	28.1	7	~~~		
1.3.2	Gross expenditure on R&D (% of GDP)	0.5	54	10.8	7			
1.4 II	NDUSTRIAL BASE		60	36.1	<b>\</b>			
1.4.1	Gross value added of manufacturing (% of GDP)	12.7	38	42.3	<b>\</b>			
1.4.2 F	Patent families filed in two offices (per billion PPP\$ GDP)	0.1	58	26.7	<b>\</b>			
2. 9	Social transition		64	49.3	7			
2.1 H	HEALTH: Healthy life expectancy at birth (years)	65.9	37	69.7	_			
2.2 V	WORK AND INCLUSION		61	39.8	7			
2.2.1 E	Employment rate of the population aged 20-64 (%)	43.3	67	6.6	7			
2.2.2 E	Employment-to-population ratio gender gap 25+ (%)	24.2	57	65.5	7			
2.2.3 E	Early childhood care and education (%)	52.9	43	54.9	7			
75	FREE OR NON-REMUNERATED TIME:	34.0	63	34.6	7			
	Free or non-remunerated time (%) EQUALITY		63	48.7	<b>^</b>	7		
241	Gini coefficient disposable income post taxes and transfers	41.4	61	52.4	' ↑	<b>/</b>		
(	(0-100) Income share held by the poorest quintile (%)	5.0	67	37.5	· •	/		
	Environmental transition	3.0			T	\rangle \( \sigma \)		
	ENVIRONMENTAL TRANSITION  EMISSIONS REDUCTION: Gross greenhouse gas emissions		49	48.8	_	<b>/ /</b>		
5.1	(tonnes per capita)	7.5	35	68.7	7	<b>N</b>		
	BIODIVERSITY		50	41.8	7			
	Terrestrial key biodiversity areas (KBAs) protected (%)	32.4	54	32.4	7			
	Freshwater key biodiversity areas (KBAs) protected (%)	39.6	38	39.6	-			
	Pesticide use per area of cropland (kg/ha) RESOURCE PRODUCTIVITY: Resource productivity	4.9	48	65.1	Τ			
	(PPP\$ per kg)	1.8	46	30.4	-	/ ~~		
3.4 E	ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)	10.8	42	54.2	7	<b>~~~</b>		
4. (	Governance transition		59	48.2	-	~		
4.1 F	FUNDAMENTAL RIGHTS		44	56.0	<b>1</b>			
4.1.1 V	Voice and accountability index (z-score)	0.6	37	71.4	7			
4.1.2 F	Rule of law index (z-score)	(0.2)	56	40.5	<b>1</b>	~		
4.2	SECURITY: Homicide rate (per 100,000 inhabitants)	5.3	64	48.9	-			
4.3 T	TRANSPARENCY		64	37.0	<b>1</b>			
4.3.1	Corruption perceptions index (0-100)	40.0	51	40.0	<b>1</b>			
4.3.2 E	Basel anti-money laundering index (0-10)	6.5	67	35.0	<b>1</b>			
4.4	SOUND PUBLIC FINANCES: Government gross debt (% of GDP)	93.3	62	55.9	<b>\</b>			

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

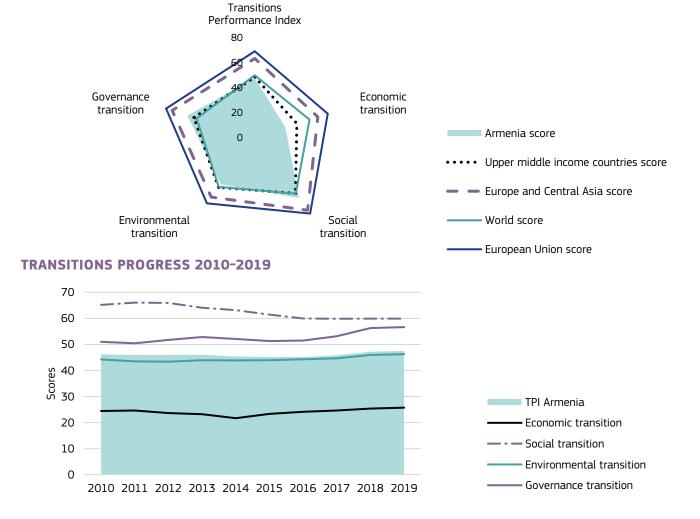
Note: Progress lines use automatic scaling.



<b>ARMENIA</b>			
POPULATION (million inhabitants)	3.0	GDP PER CAPITA (current PPP\$)	11 083.1
GROSS DOMESTIC PRODUCT (GDP) (billion PPP\$)	32.9	TRADE (% of GDP)	91.4

2019	TPI	TRANSITIONS					
2019	IPI	ECONOMIC	SOCIAL	ENVIRONMENTAL	GOVERNANCE		
Armenia ranks	57	66	50	55	50		
Armenia score	47.5	25.8	59.9	46.2	56.6		
World weighted average score	49.7	46.1	55.8	48.9	48.8		
Upper middle income countries score	48.2	35.4	55.4	49.4	51.2		
Europe and Central Asia score	63.1	53.1	72.0	59.1	69.5		
European Union score	68.8	61.4	75.4	65.2	74.5		

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]





TRANSITIONS PERFORMANCE INDEX  1. Economic transition  EDUCATION: Government expenditure in education per student (% of GDP per capita)  1.2 WEALTH: GDP per capita, current dollars (PPP\$)  1.3 LABOUR PRODUCTIVITY & R&D INTENSITY  1.3.1 Output per worker (2011 constant GDP PPP\$)  1.3.2 Gross expenditure on R&D (% of GDP)  1.4 INDUSTRIAL BASE  1.5 LABOUR PRODUCTIVITY (% of GDP)  1.6 Student of GDP)  1.7 ↑  1.8 Student of GDP PPP\$  1.9 Student of GDP of GDP)  1.1 Student of GDP of G	ADMENIA		2	2019			2010-2019	
1. Economic transition 1.1 EDUCATION: Government expenditure in education per student (% of GDP per capita) 1.2 WEALTH: GDP per capita, current dollars (PPPS) 1.3 LABOUR PRODUCTIVITY & R&D INTENSITY 6 6 107 ↑ 1.3.1 Output per worker (2011 constant GDP PPPS) 1.3.2 Gross expenditure on R&D (% of GDP) 1.3.3 Gross expenditure on R&D (% of GDP) 1.3.4 INDUSTRIAL BASE 1.4.1 INDUSTRIAL BASE 1.4.1 Gross value added of manufacturing (% of GDP) 1.5.2 Social transition 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 1.1.3 QFOSS (SECONT OF STAN O	ARMENIA		VALUE	RANK	SCORE	SCO	RE PROGRESS	
EDUCATION: Government expenditure in education per student (% of GDP per capita)	TRANS	ITIONS PERFORMANCE INDEX		57	47.5	-		
1.   1	1.	Economic transition		66	25.8	_		
1.3. LABOUR PRODUCTIVITY & R&D INTENSITY 1.3.1. Output per worker (2011 constant GDP PPPS) 2.6.540.3 62 17.7 ↑ 1.3.2 Gross expenditure on R&D (% of GDP) 1.3.3 Gross expenditure on R&D (% of GDP) 1.4.1 INDUSTRIAL BASE 1.4.1 Gross value added of manufacturing (% of GDP) 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 1.4.3 Social transition 1.5.4 God 1.5	1.1		8.2	66	33.0	R	1	
1.3.1 Output per worker (2011 constant GDP PPPS) 26 540.3 62 17.7 ↑ ↑ 1.3.2 Gross expenditure on R&D (% of GDP) 0.2 69 3.8 ↓ 1.4 INDUSTRIAL B&SE 61 35.9 − 1.4.1 Gross value added of manufacturing (% of GDP) 11.3 47 37.7 ↑ 1.4.2 Patent families flied in two offices (per billion PPPS GDP) 0.1 53 33.1 ↓ 2. Social transition 50 59.9 ¥ 2.1 HEALTH: Healthy life expectancy at birth (years) 63.6 57 62.1 ⅓ 2.2 WORK AND INCLUSION 60 43.1 ¥ 2.2 Employment rate of the population aged 20-64 (%) 54.1 60 28.2 ↓ 2.2 Employment-to-population ratio gender gap 25+ (%) 18.7 46 73.2 ⅓ 2.2.3 Early childhood care and education (%) 27.5 66 12.6 ↑ 2.3 FREE OR NON-REMUNERATED TIME: 7FREE OR NON-REM	1.2	WEALTH: GDP per capita, current dollars (PPP\$)	11 083.1	64	14.8	<b>1</b>		
1.3.2 Gross expenditure on R&D (% of GDP)  1.4 INDUSTRIAL BASE  1.4.1 Gross value added of manufacturing (% of GDP)  1.1.3 47 37.7 ↑  1.4.2 Patent families filed in two offices (per billion PPPS GDP)  2. Social transition  5. Social transition  2.1 HEALTH: Healthy life expectancy at birth (years)  2.2 WORK AND INCLUSION  2.2.1 Employment rate of the population aged 20-64 (%)  2.2.2 Employment-to-population ratio gender gap 25+ (%)  2.2.3 Early childhood care and education (%)  2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  Free or non-remunerated time (%)  2.4 EQUALITY  2.5 GROSS GRO	1.3	LABOUR PRODUCTIVITY & R&D INTENSITY		66	10.7	<b>1</b>		
1.4 INDUSTRIAL BASE  1.4.1 Gross value added of manufacturing (% of GDP)  1.4.2 Patent familizes field in two offices (per billion PPPS GDP)  2. Social transition  2. Social transition  3. Social transition  3. Employment rate of the population aged 20-64 (%)  2. Employment-to-population ratio gender gap 25+ (%)  2. Early childhood care and education (%)  2. Employment-to-population ratio gender gap 25+ (%)  3. Environmental tisposable income post taxes and transfers (gini coefficient disposable income post taxes and transfers (gini coefficie	1.3.1	Output per worker (2011 constant GDP PPP\$)	26 540.3	62	17.7	<b>1</b>		
1.4.1 Gross value added of manufacturing (% of GDP) 1.4.2 Patent families filed in two offices (per billion PPP\$ GDP) 1.4.2 Patent families filed in two offices (per billion PPP\$ GDP) 2. Social transition 2.1 HEALTH: Healthy life expectancy at birth (years) 2.2 WORK AND INCLUSION 3. 63.6 57 62.1 7  2.2 WORK AND INCLUSION 4.1 60 28.2 ↓ 2.2.1 Employment rate of the population aged 20-64 (%) 5.4.1 60 28.2 ↓ 2.2.2 Employment-to-population ratio gender gap 25+ (%) 1.8.7 46 73.2 7  2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%) 2.4 EQUALITY 3.1 70.1 ↓ 2.4.1 (Gini coefficient disposable income post taxes and transfers (ree or non-remunerated time (%) 2.4.2 Income share held by the poorest quintile (%) 3. Emissions REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3. EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3. BIODIVERSITY 5.5 66 21.5 − 3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.2.3 Pesticide use per area of cropland (kg/ha) 3.6 9 96.1 − 3.7 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per koe) 4. Governance transition 5. 56.6 7  4.1 FUNDAMENTAL RIGHTS 4.1 Voice and accountability index (z-score) 6.1 Security: Homicide rate (per 100,000 inhabitants) 7. Voice and accountability index (z-score) 7. Voice and accountability index (z-score) 8. Voice and accountability index (z-score) 8. Voice and accountability index (z-score) 9. V	1.3.2	Gross expenditure on R&D (% of GDP)	0.2	69	3.8	<b>4</b>	~~~	
1.4.2 Patent families filed in two offices (per billion PPP\$ GDP) 2. Social transition 50	1.4	INDUSTRIAL BASE		61	35.9	_	<b></b>	
2. Social transition  2.1 HEALTH: Healthy life expectancy at birth (years)  2.2 WORK AND INCLUSION  2.2.1 Employment rate of the population aged 20-64 (%)  2.2.2 Employment rate of the population aged 20-64 (%)  2.2.3 Employment rate of the population aged 20-64 (%)  2.2.3 Early childhood care and education (%)  2.7 5 66 12.6 ↑  2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  2.4 EQUALITY  3.1 70.1 ↓  2.4.1 Gini coefficient disposable income post taxes and transfers (0-100)  2.4.2 Income share held by the poorest quintile (%)  3. Environmental transition  5. EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3. BIODIVERSITY  5. 66 38.6  3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3. BIODIVERSITY  5. 68.0 ↓  4. 15 66 21.5  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)  2.6.8 58 26.8 −  3.2.1 Fersethwater key biodiversity areas (KBAs) protected (%)  3.5 Pesticide use per area of cropland (kg/ha)  3.6 Pesticide use per area of cropland (kg/ha)  3.7 (PPSP per kg)  3.8 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  3.9 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  3.1 FUNDAMENTAL RIGHTS  4.1 FUNDAMENTAL RIGHTS  4.1 Voice and accountability index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  5.1 43.5 −  4.3 TRANSPARENCY  5.1 43.5 −  4.3 Corruption perceptions index (0-100)  3.5 Basel anti-money laundering index (0-100)  5.1 46 49.2 −	1.4.1	Gross value added of manufacturing (% of GDP)	11.3	47	37.7	<b>1</b>		
2.1 HEALTH: Healthy life expectancy at birth (years) 2.2 WORK AND INCLUSION 3.0 Comparison of the population aged 20-64 (%) 3.1 Sy  2.2.1 Employment rate of the population aged 20-64 (%) 3.2 Employment-to-population ratio gender gap 25+ (%) 3.3 FREE OR NON-REMUNEATED TIME: Free or non-remunerated time (%) 3.4 EQUALITY 3.1 70.1 ↓ 3.1 70.1 ↓ 3.1 70.1 ↓ 4.1 Gini coefficient disposable income post taxes and transfers (incoefficient disposable income post taxes and transfers (inc	1.4.2	Patent families filed in two offices (per billion PPP\$ GDP)	0.1	53	33.1	<b>4</b>		
2.2 WORK AND INCLUSION  2.2.1 Employment rate of the population aged 20-64 (%)  2.2.2 Employment-to-population ratio gender gap 25+ (%)  2.2.3 Early childhood care and education (%)  2.7.5 66 12.6  ↑  FREE OR NON-REMUNERATED TIME:  FREE OR NON-REMUNERATED TIME:  Gini coefficient disposable income post taxes and transfers (0-100)  2.4 EQUALITY  3.1 70.1  2.4.1 Gini coefficient disposable income post taxes and transfers (0-100)  2.4.2 Income share held by the poorest quintile (%)  3. Environmental transition  5. 46.2  3. Environmental transition  5. 46.2  3. BIODIVERSITY  5. 66 21.5  5.1. Terrestrial key biodiversity areas (KBAs) protected (%)  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.3 RESOURCE PRODUCTIVITY: Resource productivity (pPPS per kg)  3.4 ENERGY PRODUCTIVITY: Resource productivity (PPPS per koe)  4. Governance transition  4. ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  4. Governance transition  4. Source and accountability index (z-score)  4. Governance transition  4. SECURITY: Homicide rate (per 100,000 inhabitants)  1. 7 44 72.6  4. TRANSPARENCY  5. 43.5  1. Corruption perceptions index (0-100)  3.5.0 61 35.0  4.5.1 46 49.2	2.	Social transition		50	59.9	R		
2.2.1 Employment rate of the population aged 20-64 (%) 2.2.2 Employment-to-population ratio gender gap 25+ (%) 2.2.3 Early childhood care and education (%) 2.7.5 66 12.6 ↑ 2.6 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%) 2.4 EQUALITY 2.4.1 Gini coefficient disposable income post taxes and transfers (0-100) 2.4.2 Income share held by the poorest quintile (%) 3. Environmental transition 4. ENERGY PRODUCTIVITY: Resource productivity (PPPS per koe) 4. Governance transition 4. ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 4. Governance transition 4. ENVIRONMENTAL RIGHTS 4. ENVIRONMENTAL RIGHTS 5. Environmental transition 6. Environmental transition 7. Environmental tran	2.1	HEALTH: Healthy life expectancy at birth (years)	63.6	57	62.1	7		
2.2.2 Employment-to-population ratio gender gap 25+ (%)  2.3 Early childhood care and education (%)  2.5 ERE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  2.4 EQUALITY  2.4.1 Gini coefficient disposable income post taxes and transfers (0-100)  2.4.2 Income share held by the poorest quintile (%)  3. Environmental transition  5. EMISSIONS REDUCTION: Gross greenhouse gas emissions (10 capital)  3. BIODIVERSITY  5. 38.6  3.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.2.3 Pesticide use per area of cropland (kg/ha)  3. RESOURCE PRODUCTIVITY: Resource productivity (PPPS per kg)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  4. Governance transition  4. Governance transition  5. Section (1)	2.2	WORK AND INCLUSION		60	43.1	7		
2.2.3 Early childhood care and education (%)  2.5 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  2.4 EQUALITY  2.4.1 Gini coefficient disposable income post taxes and transfers (0-100)  2.4.2 Income share held by the poorest quintile (%)  3. Environmental transition  5. EMISSIONS REDUCTION: Gross greenhouse gas emissions (10 mess per capita)  3.2 BIODIVERSITY  5. 66 21.5  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.2.3 Pesticide use per area of cropland (kg/ha)  3. RESOURCE PRODUCTIVITY: Resource productivity (PPPS per kg)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  4. Governance transition  4. Governance transition  4. FUNDAMENTAL RIGHTS  4. RULL of law index (z-score)  4. SECURITY: Homicide rate (per 100,000 inhabitants)  4. TAMSPARENCY  5. TAMSP	2.2.1	Employment rate of the population aged 20-64 (%)	54.1	60	28.2	<b>4</b>		
2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  2.4 EQUALITY  2.4.1 Gini coefficient disposable income post taxes and transfers (0-100)  2.4.2 Income share held by the poorest quintile (%)  3.1 Environmental transition  3.2 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3.2 BIODIVERSITY  3.3 Erestrial key biodiversity areas (KBAs) protected (%)  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.2.3 Pesticide use per area of cropland (kg/ha)  3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)  4. Governance transition  5.0 56.6  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  5.1 43.5 -  4.3 TRANSPARENCY  5.3 46.0   5.4 49.2 -  4.4 49.2 -  4.5 Corruption perceptions index (0-100)  3.5 Basel anti-money laundering index (0-100)  5.1 46 49.2 -	2.2.2	Employment-to-population ratio gender gap 25+ (%)	18.7	46	73.2	7		
2.4 EQUALITY 2.4.1 Gini coefficient disposable income post taxes and transfers (0-100) 2.4.2 Income share held by the poorest quintile (%) 3. Environmental transition 3. EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3. EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3. ENVIRONMENTAL RIGHTS 3.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.2.3 Pesticide use per area of cropland (kg/ha) 3. RESOURCE PRODUCTIVITY: Resource productivity (PPPS per kg) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 4. Governance transition 50 56.6  4.1 FUNDAMENTAL RIGHTS 4.1.1 Voice and accountability index (z-score) 4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 1.7 44 72.6 - 4.3 TRANSPARENCY 5.1 43.5 - 4.3.1 Corruption perceptions index (0-100) 5.1 46 49.2 -	2.2.3	Early childhood care and education (%)	27.5	66	12.6	<b>↑</b>		
2.4 EQUALITY 2.4.1 Gini coefficient disposable income post taxes and transfers (0-100) 2.4.2 Income share held by the poorest quintile (%) 3.1 Environmental transition 3.2 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tronnes per capita) 3.2 BIODIVERSITY 5.6 38.6 - 3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.2.3 Pesticide use per area of cropland (kg/ha) 3.6 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per kg) 3.7 ENERGY PRODUCTIVITY: Energy productivity (PPPS per kg) 3.8 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 4. Governance transition 5.0 56.6 4.1 FUNDAMENTAL RIGHTS 5.4 44.8 ↑ 4.1.1 Voice and accountability index (z-score) 5.5 COLOR SECURITY: Homicide rate (per 100,000 inhabitants) 5.7 44 72.6 − 4.8 SECURITY: Homicide rate (per 100,000 inhabitants) 5.1 4.6 49.2 − 4.3 TRANSPARENCY 5.1 4.3 TRANSPARENCY 5.1 4.5 49.2 − 5.1 4.5 49.2 − 5.1 4.5 49.2 − 5.1 4.5 49.2 − 5.1 4.5 49.2 − 5.1 4.5 49.2 − 5.1 4.5 5.5 ↑ 5.1 4.6 49.2 − 5.1 4.5 49.2	2.3		46.0	54	56.3	<b>4</b>		
2.4.1 Gini coefficient disposable income post taxes and transfers (0-100) 2.4.2 Income share held by the poorest quintile (%) 3. Environmental transition 55 46.2  3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3.2 BIODIVERSITY 56 38.6  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.2.3 Pesticide use per area of cropland (kg/ha) 3.6 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per kg) 3.7 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 3.8 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 4. Governance transition 50 56.6  4.1 FUNDAMENTAL RIGHTS 50 44.8  4.1.1 Voice and accountability index (z-score) 51 43.5  42. SECURITY: Homicide rate (per 100,000 inhabitants) 51 7. 44 72.6  43 TRANSPARENCY 51 43.5  43.1 Corruption perceptions index (0-100) 55.1 46 49.2  55 46.2  56 88.6  57 56 88.6  58 26.8  59 96.1  50 56.6  70 70 16.9  \$1 44.8  \$2 44.8  \$3 44.8  \$4 44.8  \$4 44.8  \$4 44.8  \$4 44.8  \$4 44.8  \$5 5 56.6  \$7 70 16.9  \$7 16.9	24			31	70.1	.l.		
2.4.2 Income share held by the poorest quintile (%)  3. Environmental transition  5. 46.2  3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3.2 BIODIVERSITY  5.6 38.6  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.2.3 Pesticide use per area of cropland (kg/ha)  3.6 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per kg)  3.7 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  4.1 EVENGRY PRODUCTIVITY: Energy productivity (PPPS per koe)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  3.3 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  4.3.2 Basel anti-money laundering index (0-100)  5.1 46 49.2			7.4.4				$\overline{}$	
3. Environmental transition  3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3.2 BIODIVERSITY  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.2.3 Pesticide use per area of cropland (kg/ha)  3.4 ENERGY PRODUCTIVITY: Resource productivity (PPP\$ per koe)  4. Governance transition  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  3.5 A6.2  3.6 21.5  3.6 21.5  3.7 44.8  4.7 4.8  4.1 72.6  4.1 Corruption perceptions index (0-100)  3.5 6.6 35.0  4.7 4.8  4.8 7 72.6  4.9 7 72.6  4.1 Corruption perceptions index (0-100)  3.1 46 49.2  4.2 Basel anti-money laundering index (0-10)  5.1 46 49.2  5.2 4.4.2  5.3 4.4.2  5.4 4.4.8  5.5 5.7  4.7 4.7 72.6  4.7 72.6  5.7 4.7 72.6  5.8 7 72.6  5.9 7 72.6  5.9 7 72.6  5.9 7 72.6  5.9 7 72.6  5.0 7 72.6  5.1 4.5 72.6  5.1		(0-100)					_ `	
3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3.2 BIODIVERSITY  56 38.6 −  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.2.3 Pesticide use per area of cropland (kg/ha)  3.6 9 96.1 −  3.7 RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)  4. Governance transition  50 56.6  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  3.5.0 61 35.0 −  4.6 49.2 −			8.1	18	76.3	<b>1</b>	<b>\</b>	
3.2 BIODIVERSITY  3.2 I Terrestrial key biodiversity areas (KBAs) protected (%)  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.2.3 Pesticide use per area of cropland (kg/ha)  3.4 RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per koe)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)  4. Governance transition  50 56.6  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  4.5 Basel anti-money laundering index (0-10)  5.1 46 49.2 −	<b>3</b> .			55	46.2	-		
3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.2.3 Pesticide use per area of cropland (kg/ha)  3.4 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per koe)  4. Governance transition  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  4.5 21.5 66  21.5 -  26.8 58  26.8 -  32.8 7  46.9 ↑  46.9 ↑  46.9 ↑  47.0 ←  48.1 ↑  48.1 ↑  49.2 ←  48.5 ↑  49.2 ←  48.5 ←  48.6 ←  48.7 ↑  48.7 ←  48.7 ←  48.7 ←  48.7 ←  48.7 ←  48.7 ←  48.8 ←  48.8 ↑  48.9 ←  48.9		(tonnes per capita)	4.2	15		Ŋ	\	
3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.2.3 Pesticide use per area of cropland (kg/ha) 3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPPŞ per kg) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPŞ per koe) 4. Governance transition 50 56.6 4.1 FUNDAMENTAL RIGHTS 54 44.8 55 44.8 4.1.1 Voice and accountability index (z-score) 56 60 4.1.2 Rule of law index (z-score) 57 44.0 58 45.5 59 44.0 50 50 50 50 50 50 70	3.2			56	38.6	-		
3.2.3 Pesticide use per area of cropland (kg/ha)  3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per kg)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  4. Governance transition  50 56.6  4.1 FUNDAMENTAL RIGHTS  54 44.8  4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  51 43.5  4.3.1 Corruption perceptions index (0-100)  5.1 46 49.2  -   3.3 RESOURCE PRODUCTIVITY: Resource productivity  1.0 67 16.9  ↑  4.6.9  ↑  4.7 44.8  ↑  4.8 ↑  4.9 ↑  4.9 ↑  4.9 ↑  4.9 ↑  4.1 FUNDAMENTAL RIGHTS  54 44.8  ↑  4.1 FUNDAMENTAL RIGHTS  54 44.8  ↑  4.1 FUNDAMENTAL RIGHTS  55 44.8  ↑  4.1 FUNDAMENTAL RIGHTS  56 67  47 68 49.5  ↑  48 7 72.6  49 7 72.6			21.5	66	21.5	-		
3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)  4. Governance transition  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  4.3.2 Basel anti-money laundering index (0-10)  5.1 46 49.2 -	3.2.2			58	26.8	_		
3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)  4. Governance transition  50 56.6  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  4.3.2 Basel anti-money laundering index (0-10)  50 46.9  ↑  4.4.8 ↑  4.5.7  4.7.6 −  51 43.5 −  43.5 −  43.5 −  52 43.5 −  53 44.0 ↑  54 44.8 ↑  55 44.8 ↑  66 49.2 −  67 69.9 ↑  68 9.4 50 46.9 ↑  69 16.9 ↑  69 16.9 ↑  69 16.9 ↑  69 16.9 ↑  69 16.9 ↑  69 16.9 ↑  60 40.9 ↑	3.2.3	<u> </u>	0.6	9	96.1	-		
4. Governance transition  4.1 FUNDAMENTAL RIGHTS  54 44.8 ↑  4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  1.7 44 72.6 −  4.3 TRANSPARENCY  51 43.5 −  4.3.1 Corruption perceptions index (0-100)  35.0 61 35.0 −  4.3.2 Basel anti-money laundering index (0-10)  55 56.6  7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	3.3		1.0	67	16.9	<b>↑</b>	/_	
4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  4.3.2 Basel anti-money laundering index (0-10)  54 44.8 ↑  44.8 ↑  45.5 ↑  45.5 ↑  45.5 ↑  47.6 −  51 43.5 −  43.5 −  43.1 Corruption perceptions index (0-100)  51 46 49.2 −	3.4	ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)	9.4	50	46.9	<b>1</b>		
4.1.1 Voice and accountability index (z-score) (0.1) 58 45.5 ↑ 4.1.2 Rule of law index (z-score) (0.2) 53 44.0 ↑ 4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 1.7 44 72.6 − 4.3 TRANSPARENCY 51 43.5 − 4.3.1 Corruption perceptions index (0-100) 35.0 61 35.0 − 4.3.2 Basel anti-money laundering index (0-10) 5.1 46 49.2 −	4.	Governance transition		50	56.6	7		
4.1.2 Rule of law index (z-score) (0.2) 53 44.0 ↑  4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 1.7 44 72.6 −  4.3 TRANSPARENCY 51 43.5 −  4.3.1 Corruption perceptions index (0-100) 35.0 61 35.0 −  4.3.2 Basel anti-money laundering index (0-10) 5.1 46 49.2 −	4.1	FUNDAMENTAL RIGHTS		54	44.8	<b>↑</b>		
4.2       SECURITY: Homicide rate (per 100,000 inhabitants)       1.7       44       72.6       -         4.3       TRANSPARENCY       51       43.5       -         4.3.1       Corruption perceptions index (0-100)       35.0       61       35.0       -         4.3.2       Basel anti-money laundering index (0-10)       5.1       46       49.2       -	4.1.1	Voice and accountability index (z-score)	(0.1)	58	45.5	<b>↑</b>		
4.3       TRANSPARENCY       51       43.5       -         4.3.1       Corruption perceptions index (0-100)       35.0       61       35.0       -         4.3.2       Basel anti-money laundering index (0-10)       5.1       46       49.2       -	4.1.2	Rule of law index (z-score)	(0.2)	53	44.0	<b>1</b>		
4.3.1 Corruption perceptions index (0-100)       35.0       61       35.0       -         4.3.2 Basel anti-money laundering index (0-10)       5.1       46       49.2       -	4.2	SECURITY: Homicide rate (per 100,000 inhabitants)	1.7	44	72.6	_	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	
4.3.2 Basel anti-money laundering index (0-10) 5.1 46 49.2 -	4.3	TRANSPARENCY		51	43.5	-		
	4.3.1	Corruption perceptions index (0-100)	35.0	61	35.0	-		
4.4 SOUND PUBLIC FINANCES: Government gross debt (% of GDP) 50.0 34 83.8 ↓	4.3.2	Basel anti-money laundering index (0-10)	5.1	46	49.2	_		
	4.4	SOUND PUBLIC FINANCES: Government gross debt (% of GDP)	50.0	34	83.8	<b>4</b>		

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

Note: Progress lines use automatic scaling.

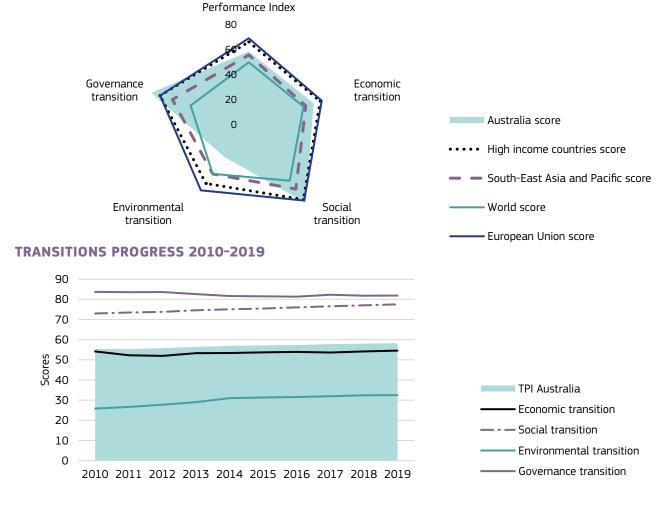


<b>AUSTRALIA</b>			
POPULATION (million inhabitants)	25.6	GDP PER CAPITA (current PPP\$)	53 378.5
GROSS DOMESTIC PRODUCT (GDP) (billion PPP\$)	1 364.8	TRADE (% of GDP)	45.7
SUMMARY INNOVATION INDEX (0-100)	56.2		

2019	TPI	TRANSITIONS					
2019	IPI	ECONOMIC	SOCIAL	ENVIRONMENTAL	GOVERNANCE		
Australia ranks	36	29	18	70	8		
Australia score	58.3	54.6	77.5	32.5	81.9		
World weighted average score	49.7	46.1	55.8	48.9	48.8		
High income countries score	66.0	60.0	74.4	58.4	74.5		
South-East Asia and Pacific score	55.6	47.9	64.0	49.0	64.1		
European Union score	68.8	61.4	75.4	65.2	74.5		

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

Transitions





ALICTRALIA		2	2019		2010-2019	
AUSTRALIA		VALUE	RANK	SCORE	SCORE PROGRESS	
TRANS	ITIONS PERFORMANCE INDEX		36	58.3	-	
1.	Economic transition		29	54.6	- \	
1.1	EDUCATION: Government expenditure in education per student (% of GDP per capita)	16.2	36	64.8	7	
1.2	WEALTH: GDP per capita, current dollars (PPP\$)	53 378.5	15	71.2	<b>↑</b>	
1.3	LABOUR PRODUCTIVITY & R&D INTENSITY		18	49.6	7 \\	
1.3.1	Output per worker (2011 constant GDP PPP\$)	91 133.8	17	60.8	7	
1.3.2	Gross expenditure on R&D (% of GDP)	1.9	18	38.4	<b>V</b>	
1.4	INDUSTRIAL BASE		59	36.6	<b>V</b>	
1.4.1	Gross value added of manufacturing (% of GDP)	5.8	69	19.3	<b>↓</b>	
1.4.2	Patent families filed in two offices (per billion PPP\$ GDP)	1.0	26	62.6	У К	
2.	Social transition		18	77.5	-	
2.1	HEALTH: Healthy life expectancy at birth (years)	71.8	12	89.4	-	
2.2	WORK AND INCLUSION		13	77.7	<b>↑</b>	
2.2.1	Employment rate of the population aged 20-64 (%)	78.4	15	76.7	7	
2.2.2	Employment-to-population ratio gender gap 25+ (%)	12.1	20	82.7	7	
2.2.3	Early childhood care and education (%)	61.8	25	69.7	<b>↑</b>	
2.3	FREE OR NON-REMUNERATED TIME:	58.7	16	79.4	7 /	
	Free or non-remunerated time (%)	30.7				
2.4	EQUALITY  Gini coefficient disposable income post taxes and transfers		33	67.9	/	
2.4.1	(0-100)	34.4	35	68.0	/	
2.4.2	Income share held by the poorest quintile (%)	7.4	31	67.5	-	
3.	Environmental transition		70	32.5	1	
3.1	EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)	22.5	72	6.1	7	
3.2	BIODIVERSITY		39	52.8	7	
3.2.1	Terrestrial key biodiversity areas (KBAs) protected (%)	52.7	34	52.7	1	
3.2.2	Freshwater key biodiversity areas (KBAs) protected (%)	36.6	43	36.6	<b>1</b>	
3.2.3	Pesticide use per area of cropland (kg/ha)	2.0	30	85.4	7	
3.3	RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)	1.5	54	24.5	1	
3.4	ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)	9.3	51	46.5	1	
4.	Governance transition		8	81.9	٧ ٧	
4.1	FUNDAMENTAL RIGHTS		11	94.0	ν ~~~ ν	
4.1.1	Voice and accountability index (z-score)	1.4	10	92.3	- ^	
4.1.2	Rule of law index (z-score)	1.7	13	95.7	<u>и</u> и	
4.2	SECURITY: Homicide rate (per 100,000 inhabitants)	0.9	21	82.3	-	
4.3	TRANSPARENCY		8	67.0	٧ لا	
4.3.1	Corruption perceptions index (0-100)	77.0	13	77.0	٧ لا	
4.3.2	Basel anti-money laundering index (0-10)	4.0	15	60.3	<u>и</u>	
4.4	SOUND PUBLIC FINANCES: Government gross debt (% of GDP)	41.8	27	89.2	<b>V</b>	
Tunnait	tion lands [75, 100]	NA - de contra torre de la conf	4F FF!	VV I - + !+	[0 45]	

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

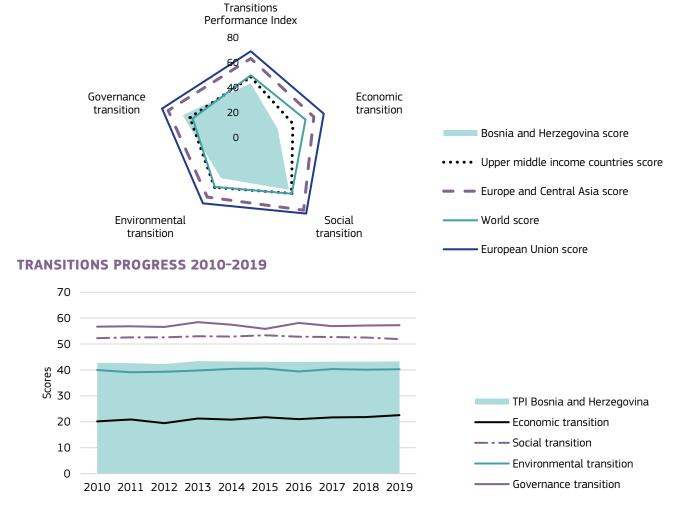
Note: Progress lines use automatic scaling.



<b>BOSNIA AND HER</b>	ZEGOVINA		
POPULATION (million inhabitants)	3.5	GDP PER CAPITA (current PPP\$)	14 219.7
GROSS DOMESTIC PRODUCT (GDP) (billion PPP\$)	49.8	TRADE (% of GDP)	95.9

2019	TPI	TRANSITIONS					
2019	IPI	ECONOMIC	SOCIAL	ENVIRONMENTAL	GOVERNANCE		
Bosnia and Herzegovina ranks	66	69	60	62	47		
Bosnia and Herzegovina score	43.3	22.5	51.9	40.3	57.3		
World weighted average score	49.7	46.1	55.8	48.9	48.8		
Upper middle income countries score	48.2	35.4	55.4	49.4	51.2		
Europe and Central Asia score	63.1	53.1	72.0	59.1	69.5		
European Union score	68.8	61.4	75.4	65.2	74.5		

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]





PO	SNIA AND HERZEGOVINA	2019			2010-2019	
ВО.	SNIA AND HERZEGOVINA	VALUE	RANK	SCORE	SCORE PROGRESS	
TRANS	ITIONS PERFORMANCE INDEX		66	43.3	/	
1.	Economic transition		69	22.5	7	
1.1	EDUCATION: Government expenditure in education per student (% of GDP per capita)	N/A	N/A	N/A	<b>↑</b>	
1.2	WEALTH: GDP per capita, current dollars (PPP\$)	14 219.7	57	19.0	<b>↑</b>	
1.3	LABOUR PRODUCTIVITY & R&D INTENSITY		60	15.6	7 /	
1.3.1	Output per worker (2011 constant GDP PPP\$)	40 888.9	54	27.3	<b>↑</b>	
1.3.2	Gross expenditure on R&D (% of GDP)	0.2	68	4.0	<b>V</b>	
1.4	INDUSTRIAL BASE		68	29.5	- ~~~	
1.4.1	Gross value added of manufacturing (% of GDP)	13.2	33	44.0	<b>↑</b>	
1.4.2	Patent families filed in two offices (per billion PPP\$ GDP)	0.0	69	7.8	<b>↓</b> ~~	
2.	Social transition		60	51.9	7	
2.1	HEALTH: Healthy life expectancy at birth (years)	64.9	48	66.4	-	
2.2	WORK AND INCLUSION		65	27.5	- ~~~	
2.2.1	Employment rate of the population aged 20-64 (%)	36.1	71	0.0	<i>7</i>	
2.2.2	Employment-to-population ratio gender gap 25+ (%)	21.8	53	68.8	- ~~~	
2.2.3	Early childhood care and education (%)	17.2	68	0.0	<i>7</i>	
2.3	FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)	29.1	71	25.5	<b>+</b>	
2.4	EQUALITY		29	70.5	-	
2.4.1	Gini coefficient disposable income post taxes and transfers (0-100)	33.0	30	71.1	- /	
2.4.2	Income share held by the poorest quintile (%)	7.5	29	68.8	_	
<b>3</b> .	Environmental transition		62	40.3	-	
3.1	EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)	8.2	41	65.8	<b>V</b>	
3.2	BIODIVERSITY		49	42.4	-	
3.2.1	Terrestrial key biodiversity areas (KBAs) protected (%)	18.2	69	18.2	_	
3.2.2	Freshwater key biodiversity areas (KBAs) protected (%)	66.7	27	66.7	_	
3.2.3	Pesticide use per area of cropland (kg/ha)	N/A	N/A	N/A	<b>^</b>	
3.3	RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)	1.4	57	22.9	1	
3.4	ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)	6.0	65	30.1	- /	
4.	Governance transition		47	57.3	//-	
4.1	FUNDAMENTAL RIGHTS		57	40.6	7 \\	
4.1.1	Voice and accountability index (z-score)	(0.2)	59	40.4	<b>\</b>	
4.1.2	Rule of law index (z-score)	(0.2)	55	40.8	7	
4.2	SECURITY: Homicide rate (per 100,000 inhabitants)	1.2	28	78.5	- ~	
4.3	TRANSPARENCY		56	40.2	7 K	
4.3.1	Corruption perceptions index (0-100)	38.0	54	38.0	У К	
4.3.2	Basel anti-money laundering index (0-10)	5.8	57	41.7	Y	
4.4	SOUND PUBLIC FINANCES: Government gross debt (% of GDP)	33.3	15	94.6	- ~ ~	

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

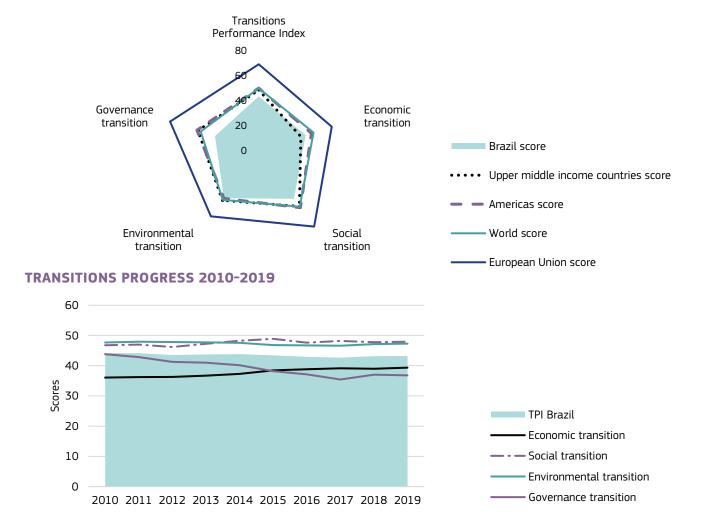
Note: Progress lines use automatic scaling.



<b>♦</b> BRAZIL			
POPULATION (million inhabitants)	210.0	GDP PER CAPITA (current PPP\$)	16 461.8
GROSS DOMESTIC PRODUCT (GDP) (billion PPP\$)	3 456.4	TRADE (% of GDP)	29.0
SUMMARY INNOVATION INDEX (0-100)	31.4		

2019	TPI	TRANSITIONS					
2019	IPI	ECONOMIC	SOCIAL	ENVIRONMENTAL	GOVERNANCE		
Brazil ranks	67	50	65	52	69		
Brazil score	43.2	39.4	47.9	47.3	36.8		
World weighted average score	49.7	46.1	55.8	48.9	48.8		
Upper middle income countries score	48.2	35.4	55.4	49.4	51.2		
America score	49.8	44.2	56.7	47.5	52.0		
European Union score	68.8	61.4	75.4	65.2	74.5		

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]





TRANSITIONS PERFORMANCE INDEX   57   43.2   1.   Economic transition   50   39.4   7.   1.1   EDUCATION: Government expenditure in education per student (% of GDP per capita)   1.2   WEALTH: GDP per capita, current dollars (PPPS)   16 461.8   54   21.9   ↑   1.3   LABOUR PRODUCTIVITY & R&D INTENSITY   47   23.4   −   1.3.1   Output per worker (2011 constant GDP PPPS)   32 232.4   57   21.5   1.3.2   Gross expenditure on R&D (% of GDP)   1.3   2.9   25.3   7   1.4   INDUSTRIAL BASE   65   32.6   ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓	BRAZIL		2	2019			2010-2019		
1. Economic transition  1.1 EDUCATION: Government expenditure in education per student (% of GDP per capita)  1.2 WEALTH: GDP per capita, current dollars (PPP\$)  1.3 LABOUR PRODUCTIVITY & R&D INTENSITY  1.3.1 Output per worker (2011 constant GDP PPP\$)  1.3.2 Gross expenditure on R&D (% of GDP)  1.3 29 25.3 7  1.4 INDUSTRIAL BASE  1.4.1 Gross value added of manufacturing (% of GDP)  1.5 Social transition  2. Social transition  2.1 HEALTH: Healthy life expectancy at birth (years)  2.2 WORK AND INCLUSION  2.3 Early childhood care and education (%)  2.4 EQUALITY  71 21.9 Y  2.5 Gini coefficient disposable income post taxes and transfers  53 9 71 24.7	DRAZIL		VALUE	RANK	SCORE	SCO	RE PROGRESS		
1.1 EDUCATION: Government expenditure in education per student (% of GDP per capita)  1.2 WEALTH: GDP per capita, current dollars (PPP\$)  1.3 LABOUR PRODUCTIVITY & R&D INTENSITY  1.3.1 Output per worker (2011 constant GDP PPP\$)  1.3.2 Gross expenditure on R&D (% of GDP)  1.3 29 25.3 7  1.4 INDUSTRIAL BASE  1.4.1 Gross value added of manufacturing (% of GDP)  1.5 32.2 ↓  1.4.2 Patent families filed in two offices (per billion PPP\$ GDP)  2. Social transition  2.1 HEALTH: Healthy life expectancy at birth (years)  2.2 WORK AND INCLUSION  2.3 Employment rate of the population aged 20-64 (%)  2.2.1 Employment rate of the population ratio gender gap 25+ (%)  2.2.3 Early childhood care and education (%)  51.1 36 65.5 ★  71 21.9 ★  72 24.1 Gini coefficient disposable income post taxes and transfers	TRANS	ITIONS PERFORMANCE INDEX		67	43.2	7	~		
1.1 (% of GDP per capita) 1.2 WEALTH: GDP per capita, current dollars (PPP\$) 1.3 LABOUR PRODUCTIVITY & R&D INTENSITY 1.3.1 Output per worker (2011 constant GDP PPP\$) 1.3.2 Gross expenditure on R&D (% of GDP) 1.3 29 25.3 7 1.4 INDUSTRIAL BASE 1.4.1 Gross value added of manufacturing (% of GDP) 1.4.2 Patent families filed in two offices (per billion PPP\$ GDP) 2. Social transition 2.1 HEALTH: Healthy life expectancy at birth (years) 2.2 WORK AND INCLUSION 2.3 Early childhood care and education (%) 2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%) 2.4 EQUALITY 2.5 Gini coefficient disposable income post taxes and transfers 32 21.9	1.	Economic transition		50	39.4	7			
1.3 LABOUR PRODUCTIVITY & R&D INTENSITY  1.3.1 Output per worker (2011 constant GDP PPP\$)  1.3.2 Gross expenditure on R&D (% of GDP)  1.3 29 25.3 7  1.4 INDUSTRIAL BASE  1.4.1 Gross value added of manufacturing (% of GDP)  1.4.2 Patent families filed in two offices (per billion PPP\$ GDP)  2. Social transition  2.1 HEALTH: Healthy life expectancy at birth (years)  2.2 WORK AND INCLUSION  2.2.1 Employment rate of the population aged 20-64 (%)  2.2.2 Employment-to-population ratio gender gap 25+ (%)  2.2.3 Early childhood care and education (%)  2.4 EQUALITY  2.5 Gini coefficient disposable income post taxes and transfers  53.9 71 24.7 No. 21.5	1.1	·	17.1	29	68.4	<b>↑</b>			
1.3.1 Output per worker (2011 constant GDP PPP\$)  1.3.2 Gross expenditure on R&D (% of GDP)  1.3 29 25.3 7  1.4 INDUSTRIAL BASE  1.4.1 Gross value added of manufacturing (% of GDP)  1.4.2 Patent families filed in two offices (per billion PPP\$ GDP)  2. Social transition  2.1 HEALTH: Healthy life expectancy at birth (years)  2.2 WORK AND INCLUSION  2.2.1 Employment rate of the population aged 20-64 (%)  2.2.2 Employment-to-population ratio gender gap 25+ (%)  2.2.3 Early childhood care and education (%)  2.4 EQUALITY  2.5 Gini coefficient disposable income post taxes and transfers  32 232.4 57  21.5 N  22 25.3 7  23.7 21.5 N  24.7 N  25.3 7  26.5 N  27.7 21.5 N  27.8 N  28.6 N  29.7 N  21.9 SA  21.9 SA  21.9 SA  22.9 SA  23.7 N  24.7 N  24.1 Gini coefficient disposable income post taxes and transfers	1.2	WEALTH: GDP per capita, current dollars (PPP\$)	16 461.8	54	21.9	<b>1</b>	/		
1.3.2 Gross expenditure on R&D (% of GDP)  1.3 29 25.3  1.4 INDUSTRIAL BASE  65 32.6  1.4.1 Gross value added of manufacturing (% of GDP)  9.7 58 32.2  1.4.2 Patent families filed in two offices (per billion PPP\$ GDP)  0.1 54 33.1  2. Social transition  65 47.9  2.1 HEALTH: Healthy life expectancy at birth (years)  2.2 WORK AND INCLUSION  46 59.0  2.2.1 Employment rate of the population aged 20-64 (%)  2.2.2 Employment-to-population ratio gender gap 25+ (%)  2.2.3 Early childhood care and education (%)  53.7 40 56.2  7 7 21.9  7 21.9  7 21.9  7 21.9  7 21.9  7 21.9  7 21.9  7 21.9  7 21.9  7 21.9  7 21.9  7 21.9  7 21.9  7 21.9  7 21.9  7 21.9  7 21.9	1.3	LABOUR PRODUCTIVITY & R&D INTENSITY		47	23.4	-			
1.4 INDUSTRIAL BASE  1.4.1 Gross value added of manufacturing (% of GDP)  1.4.2 Patent families filed in two offices (per billion PPPS GDP)  2. Social transition  2.1 HEALTH: Healthy life expectancy at birth (years)  2.2 WORK AND INCLUSION  2.3 Employment rate of the population aged 20-64 (%)  2.4 EQUALITY  65 32.6  47.9  65	1.3.1	Output per worker (2011 constant GDP PPP\$)	32 232.4	57	21.5	7			
1.4.1 Gross value added of manufacturing (% of GDP) 1.4.2 Patent families filed in two offices (per billion PPP\$ GDP)  2. Social transition  2. WORK AND INCLUSION  2.2 WORK AND INCLUSION  3.1 W  2.2 Employment rate of the population aged 20-64 (%)  2.2.2 Employment-to-population ratio gender gap 25+ (%)  2.2.3 Early childhood care and education (%)  3.4 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  2.4 EQUALITY  3.5 Gini coefficient disposable income post taxes and transfers  3.2 V  3.1 Sini coefficient disposable income post taxes and transfers  3.2 V  3.3 Sini Sini Coefficient disposable income post taxes and transfers	1.3.2	Gross expenditure on R&D (% of GDP)	1.3	29	25.3	7			
1.4.2 Patent families filed in two offices (per billion PPP\$ GDP)  2. Social transition  65 47.9  2.1 HEALTH: Healthy life expectancy at birth (years)  2.2 WORK AND INCLUSION  46 59.0  2.2.1 Employment rate of the population aged 20-64 (%)  2.2.2 Employment-to-population ratio gender gap 25+ (%)  2.2.3 Early childhood care and education (%)  53.7 40 56.2  7 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  2.4 EQUALITY  71 21.9  33.1  34.7  35.1  36 65.5  37 40  37 40  38 65.5	1.4	INDUSTRIAL BASE		65	32.6	<b>\</b>	\		
2. Social transition  2.1 HEALTH: Healthy life expectancy at birth (years)  2.2 WORK AND INCLUSION  2.2.1 Employment rate of the population aged 20-64 (%)  2.2.2 Employment-to-population ratio gender gap 25+ (%)  2.2.3 Early childhood care and education (%)  2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  2.4 EQUALITY  3.5 Figure 1 Sign 2 Sign	1.4.1	Gross value added of manufacturing (% of GDP)	9.7	58	32.2	<b>\</b>			
2.1 HEALTH: Healthy life expectancy at birth (years)  2.2 WORK AND INCLUSION  2.2.1 Employment rate of the population aged 20-64 (%)  2.2.2 Employment-to-population ratio gender gap 25+ (%)  2.2.3 Early childhood care and education (%)  2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  2.4 EQUALITY  36 65.5  37  36 65.5  37  36 65.5  37  36 65.5	1.4.2	Patent families filed in two offices (per billion PPP\$ GDP)	0.1	54	33.1	7			
2.2 WORK AND INCLUSION  2.2.1 Employment rate of the population aged 20-64 (%)  2.2.2 Employment-to-population ratio gender gap 25+ (%)  2.2.3 Early childhood care and education (%)  2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  2.4 EQUALITY  3.4 Gini coefficient disposable income post taxes and transfers  53.9  71  72.7	2.	Social transition		65	47.9	-	~~~		
2.2.1 Employment rate of the population aged 20-64 (%)  2.2.2 Employment-to-population ratio gender gap 25+ (%)  2.2.3 Early childhood care and education (%)  2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  2.4 EQUALITY  3.4 Gini coefficient disposable income post taxes and transfers  53.9  71  72.47	2.1	HEALTH: Healthy life expectancy at birth (years)	63.4	59	61.3	7			
2.2.2 Employment-to-population ratio gender gap 25+ (%)  2.2.3 Early childhood care and education (%)  2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  2.4 EQUALITY  36 65.5  37 21.9  37 21.9  38 39 71 347	2.2	WORK AND INCLUSION		46	59.0	-			
2.2.3 Early childhood care and education (%)  2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  2.4 EQUALITY  71 21.9  347	2.2.1	Employment rate of the population aged 20-64 (%)	65.4	48	50.7	<b>\</b>			
FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  2.4 EQUALITY  71 21.9  36 65.5  37 71 24.7	2.2.2	Employment-to-population ratio gender gap 25+ (%)	21.9	54	68.7	7			
2.5 Free or non-remunerated time (%)  2.4 EQUALITY  71 21.9 Y  2.4 Gini coefficient disposable income post taxes and transfers  53.9 71 24.7 Y	2.2.3	Early childhood care and education (%)	53.7	40	56.2	<b>1</b>			
2.4 EQUALITY  71 21.9  3.4 Gini coefficient disposable income post taxes and transfers  53.9 71 24.7	23		51.1	36	65.5	V	\		
Gini coefficient disposable income post taxes and transfers			52.2						
				/1		Я	~_		
	2.4.1		53.9	71	24.7	7	~_ <u></u>		
2.4.2 Income share held by the poorest quintile (%)  3.1 70 13.8	2.4.2	Income share held by the poorest quintile (%)	3.1	70	13.8	<b>T</b>			
3. Environmental transition 52 47.3	<b>3</b> .	Environmental transition		52	47.3	7			
3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 5.1 16	3.1		5.1	16	78.7	Ŋ			
3.2 BIODIVERSITY 63 33.4 \(\sigma\)	3.2	BIODIVERSITY		63	33.4	7			
3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 42.2 40 42.2 -	3.2.1	Terrestrial key biodiversity areas (KBAs) protected (%)	42.2	40	42.2	-			
3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 12.5 65 12.5 –	3.2.2	Freshwater key biodiversity areas (KBAs) protected (%)	12.5	65	12.5	-			
3.2.3 Pesticide use per area of cropland (kg/ha) 6.0 51 57.5	3.2.3	· · · · · · · · · · · · · · · · · · ·	6.0	51	57.5	7			
3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg) 1.3 58 21.5	3.3		1.3	58	21.5	7			
3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe) 11.1 36 55.7	3.4	ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)	11.1	36	55.7	7	~		
4. Governance transition 69 36.8 ↓	4.	Governance transition		69	36.8	$\mathbf{\downarrow}$			
4.1 FUNDAMENTAL RIGHTS 48 52.1 ↓	4.1	FUNDAMENTAL RIGHTS		48	52.1	$\mathbf{\downarrow}$	~		
4.1.1 Voice and accountability index (z-score) 0.4 40 65.1	4.1.1	Voice and accountability index (z-score)	0.4	40	65.1	7	<b>\</b>		
4.1.2 Rule of law index (z-score) (0.3) 57 39.1	4.1.2	Rule of law index (z-score)	(0.3)	57	39.1	$\mathbf{\downarrow}$			
4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 27.4 69 7.3	4.2	SECURITY: Homicide rate (per 100,000 inhabitants)	27.4	69	7.3	$\downarrow$	<u></u>		
4.3 TRANSPARENCY 50 44.2 \(\frac{1}{2}\)	4.3	TRANSPARENCY		50	44.2	7			
4.3.1 Corruption perceptions index (0-100) 35.0 61 35.0 ↓	4.3.1	Corruption perceptions index (0-100)	35.0	61	35.0	$\downarrow$			
4.3.2 Basel anti-money laundering index (0-10) 5.0 41 50.3 -	4.3.2	Basel anti-money laundering index (0-10)	5.0	41	50.3	-			
4.4 SOUND PUBLIC FINANCES: Government gross debt (% of GDP) 91.6 61 57.1	4.4	SOUND PUBLIC FINANCES: Government gross debt (% of GDP)	91.6	61	57.1	<b>V</b>			

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

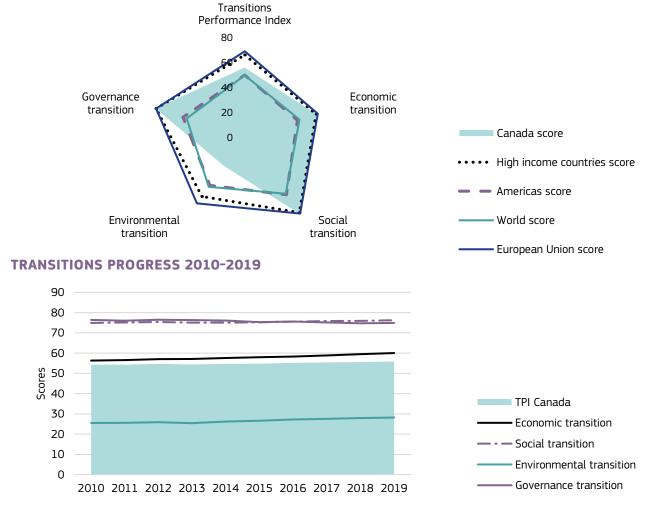
Note: Progress lines use automatic scaling.



<b>₩</b> CANADA			
POPULATION (million inhabitants)	37.5	GDP PER CAPITA (current PPP\$)	50 725.4
GROSS DOMESTIC PRODUCT (GDP) (billion PPP\$)	1 899.9	TRADE (% of GDP)	65.0
SUMMARY INNOVATION INDEX (0-100)	61.7		

2019	TPI	TRANSITIONS					
2019	IPI	ECONOMIC	SOCIAL	ENVIRONMENTAL	GOVERNANCE		
Canada ranks	40	20	21	72	20		
Canada score	55.8	60.0	76.2	28.2	74.9		
World weighted average score	49.7	46.1	55.8	48.9	48.8		
High income countries score	66.0	60.0	74.4	58.4	74.5		
America score	49.8	44.2	56.7	47.5	52.0		
European Union score	68.8	61.4	75.4	65.2	74.5		

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]





CANADA		2	2019		2010-2019	
		VALUE	RANK	SCORE	SCO	RE PROGRESS
TRANS	ITIONS PERFORMANCE INDEX		40	55.8	-	
1.	Economic transition		20	60.0	7	
1.1	EDUCATION: Government expenditure in education per student (% of GDP per capita)	19.1	17	76.4	7	
1.2	WEALTH: GDP per capita, current dollars (PPP\$)	50 725.4	16	67.6	<b>1</b>	
1.3	LABOUR PRODUCTIVITY & R&D INTENSITY		23	44.1	7	~~
1.3.1	Output per worker (2011 constant GDP PPP\$)	85 726.2	19	57.2	7	
1.3.2	Gross expenditure on R&D (% of GDP)	1.6	22	31.1	$\downarrow$	
1.4	INDUSTRIAL BASE		31	49.2	7	~
1.4.1	Gross value added of manufacturing (% of GDP)	10.3	54	34.5	7	
1.4.2	Patent families filed in two offices (per billion PPP\$ GDP)	1.9	19	71.2	7	
2.	Social transition		21	76.2	_	
2.1	HEALTH: Healthy life expectancy at birth (years)	72.0	6	90.0	_	
2.2	WORK AND INCLUSION		16	76.5	_	
2.2.1	Employment rate of the population aged 20-64 (%)	75.7	23	71.4	7	
2.2.2	Employment-to-population ratio gender gap 25+ (%)	9.3	6	86.7	_	<b>\\\</b>
2.2.3	Early childhood care and education (%)	59.9	30	66.5	_	
2.3	FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)	56.5	24	75.5	_	~/
2.4	EQUALITY		35	66.7	N	_
2.4.1	Gini coefficient disposable income post taxes and transfers (0-100)	33.8	32	69.3	Ā	
2.4.2	Income share held by the poorest quintile (%)	6.7	38	58.8	Ŋ	
3.	Environmental transition		72	28.2	7	
3.1	EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)	19.5	68	18.8	<b>↑</b>	
3.2	BIODIVERSITY		61	35.5	7	~~
3.2.1	Terrestrial key biodiversity areas (KBAs) protected (%)	26.5	59	26.5	7	
3.2.2	Freshwater key biodiversity areas (KBAs) protected (%)	20.8	60	20.8	-	
3.2.3	Pesticide use per area of cropland (kg/ha)	2.4	37	83.1	7	
3.3	RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)	1.8	49	30.0	<b>↑</b>	~
3.4	ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)	5.7	68	28.5	_	
4.	Governance transition		20	74.9	7	~~
4.1	FUNDAMENTAL RIGHTS		9	94.9	_	
4.1.1	Voice and accountability index (z-score)	1.5	9	93.6	_	<b>/</b>
4.1.2	Rule of law index (z-score)	1.8	11	96.2	7	~~~
4.2	SECURITY: Homicide rate (per 100,000 inhabitants)	1.8	45	71.9	7	<b>✓</b>
4.3	TRANSPARENCY		16	62.9	7	~~
4.3.1	Corruption perceptions index (0-100)	81.0	9	81.0	7	
4.3.2	Basel anti-money laundering index (0-10)	4.9	39	50.8	7	~~
4.4	SOUND PUBLIC FINANCES: Government gross debt (% of GDP)	87.5	60	59.7	7	
T			45 551 - 1		[0 45	r

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

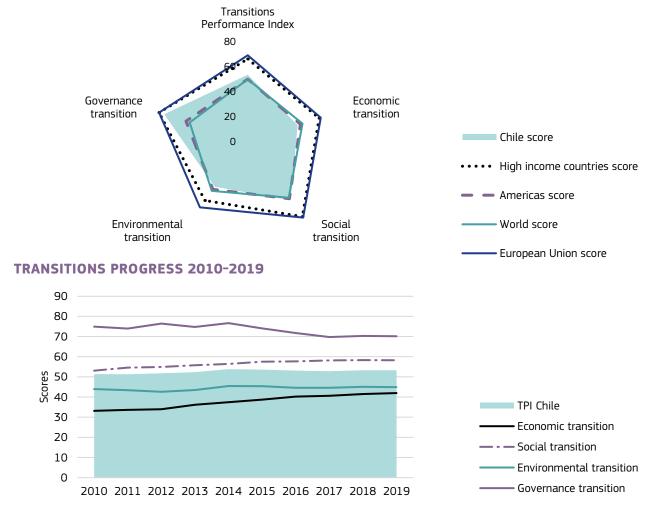
Note: Progress lines use automatic scaling.



CHILE			
POPULATION (million inhabitants)	19.1	GDP PER CAPITA (current PPP\$)	26 317.1
GROSS DOMESTIC PRODUCT (GDP) (billion PPP\$)	502.8	TRADE (% of GDP)	56.8

2019	TPI	TRANSITIONS					
2019	IPI	ECONOMIC	SOCIAL	ENVIRONMENTAL	GOVERNANCE		
Chile ranks	45	45	53	57	30		
Chile score	53.3	42.0	58.2	44.9	70.2		
World weighted average score	49.7	46.1	55.8	48.9	48.8		
High income countries score	66.0	60.0	74.4	58.4	74.5		
America score	49.8	44.2	56.7	47.5	52.0		
European Union score	68.8	61.4	75.4	65.2	74.5		

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]





CHILE		2	2019	2010-2019	
		VALUE	RANK	SCORE	SCORE PROGRESS
TRANS	ITIONS PERFORMANCE INDEX		45	53.3	-
1.	Economic transition		45	42.0	<b>↑</b>
1.1	EDUCATION: Government expenditure in education per student (% of GDP per capita)	16.1	37	64.6	1
1.2	WEALTH: GDP per capita, current dollars (PPP\$)	26 317.1	44	35.1	<b>↑</b>
1.3	LABOUR PRODUCTIVITY & R&D INTENSITY		53	20.1	7
1.3.1	Output per worker (2011 constant GDP PPP\$)	49 463.9	46	33.0	7
1.3.2	Gross expenditure on R&D (% of GDP)	0.4	62	7.2	7
1.4	INDUSTRIAL BASE		53	38.6	7
1.4.1	Gross value added of manufacturing (% of GDP)	10.6	53	35.5	<u>V</u>
1.4.2	Patent families filed in two offices (per billion PPP\$ GDP)	0.2	41	43.1	- ~
2.	Social transition		53	58.2	7
2.1	HEALTH: Healthy life expectancy at birth (years)	67.9	30	76.2	-
2.2	WORK AND INCLUSION		51	56.4	1
2.2.1	Employment rate of the population aged 20-64 (%)	65.6	47	51.3	7
2.2.2	Employment-to-population ratio gender gap 25+ (%)	25.0	58	64.2	<b>↑</b>
2.2.3	Early childhood care and education (%)	50.5	47	50.8	<b>↑</b>
2.3	FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)	47.3	51	58.7	7
2.4	EQUALITY		65	46.2	<b>↑</b>
2.4.1	Gini coefficient disposable income post taxes and transfers (0-100)	44.4	65	45.8	<b>†</b>
2.4.2	Income share held by the poorest quintile (%)	5.8	54	47.5	<b>↑</b>
3.	Environmental transition		57	44.9	-
3.1	EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)	6.1	23	74.4	и 🗸
3.2	BIODIVERSITY		54	39.1	7
3.2.1	Terrestrial key biodiversity areas (KBAs) protected (%)	34.8	52	34.8	7
3.2.2	Freshwater key biodiversity areas (KBAs) protected (%)	33.2	53	33.2	<b>^</b>
3.2.3	Pesticide use per area of cropland (kg/ha)	5.7	50	59.4	- ///_
3.3	RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)	0.7	72	11.2	1
3.4	ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)	10.9	40	54.7	- ~~~
4.	Governance transition		30	70.2	<u>и</u> ~~~
4.1	FUNDAMENTAL RIGHTS		23	86.1	<u>v</u>
4.1.1	Voice and accountability index (z-score)	1.1	22	85.4	<u>и</u>
4.1.2	Rule of law index (z-score)	1.1	24	86.8	<u>и</u>
4.2	SECURITY: Homicide rate (per 100,000 inhabitants)	4.4	60	53.3	<b>↓</b>
4.3	TRANSPARENCY		23	61.7	<u>и</u>
4.3.1	Corruption perceptions index (0-100)	67.0	23	67.0	<u>и</u>
4.3.2	Basel anti-money laundering index (0-10)	4.2	21	58.2	<u>и</u>
4.4	SOUND PUBLIC FINANCES: Government gross debt (% of GDP)	27.5	7	98.4	<u> </u>
■ Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]					

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

Note: Progress lines use automatic scaling.

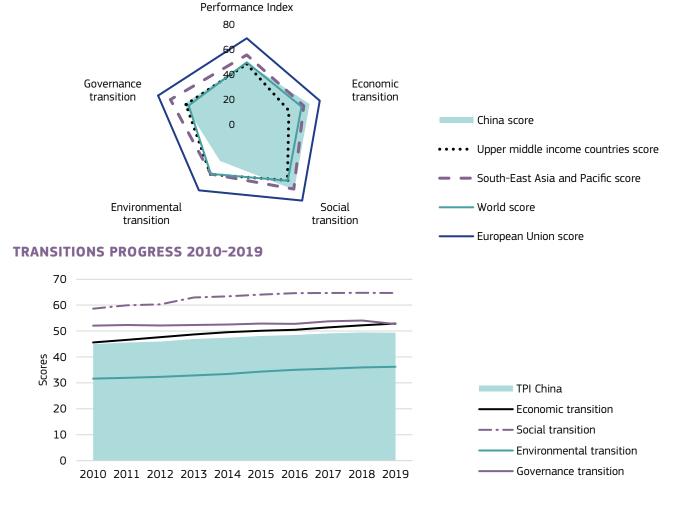


* CHINA			
POPULATION (million inhabitants)	1 400.2	GDP PER CAPITA (current PPP\$)	19 503.9
GROSS DOMESTIC PRODUCT (GDP) (billion PPP\$)	27 308.9	TRADE (% of GDP)	35.7
SUMMARY INNOVATION INDEX (0-100)	46.8		

2019	TPI	TRANSITIONS				
2019	IPI	ECONOMIC	SOCIAL	ENVIRONMENTAL	GOVERNANCE	
China ranks	51	33	40	66	54	
China score	49.4	52.9	64.7	36.2	52.7	
World weighted average score	49.7	46.1	55.8	48.9	48.8	
Upper middle income countries score	48.2	35.4	55.4	49.4	51.2	
South-East Asia and Pacific score	55.6	47.9	64.0	49.0	64.1	
European Union score	68.8	61.4	75.4	65.2	74.5	

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

Transitions





CHINA		2	2019			2010-2019		
		VALUE	RANK	SCORE	SCO	RE PROGRESS		
TRANS	ITIONS PERFORMANCE INDEX		51	49.4	7			
1.	Economic transition		33	52.9	<b>↑</b>			
1.1	EDUCATION: Government expenditure in education per student (% of GDP per capita)	13.4	47	53.6	<b>↑</b>			
1.2	WEALTH: GDP per capita, current dollars (PPP\$)	19 503.9	50	26.0	<b>↑</b>			
1.3	LABOUR PRODUCTIVITY & R&D INTENSITY		36	32.1	<b>↑</b>			
1.3.1	Output per worker (2011 constant GDP PPP\$)	32 002.1	58	21.3	<b>↑</b>			
1.3.2	Gross expenditure on R&D (% of GDP)	2.1	14	42.9	<b>1</b>			
1.4	INDUSTRIAL BASE		3	83.8	-			
1.4.1	Gross value added of manufacturing (% of GDP)	29.4	2	98.0	Ŋ			
1.4.2	Patent families filed in two offices (per billion PPP\$ GDP)	1.0	27	62.5	7			
2.	Social transition		40	64.7	7			
2.1	HEALTH: Healthy life expectancy at birth (years)	68.0	29	76.8	_			
2.2	WORK AND INCLUSION		34	68.4	7			
2.2.1	Employment rate of the population aged 20-64 (%)	69.2	41	58.5	<b>4</b>			
2.2.2	Employment-to-population ratio gender gap 25+ (%)	15.9	36	77.3	7			
2.2.3	Early childhood care and education (%)	62.4	23	70.6	<b>↑</b>			
2.3	FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)	46.4	52	57.1	7	_		
2.4	EQUALITY		51	58.2	<b>1</b>			
2.4.1	Gini coefficient disposable income post taxes and transfers (0-100)	38.5	52	58.9	<b>↑</b>			
2.4.2	Income share held by the poorest quintile (%)	6.5	45	56.3	<b>↑</b>			
3.	Environmental transition		66	36.2	<b>↑</b>			
3.1	EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)	8.7	43	64.0	-			
3.2	BIODIVERSITY		67	30.2	7			
3.2.1	Terrestrial key biodiversity areas (KBAs) protected (%)	37.8	48	37.8	-			
3.2.2	Freshwater key biodiversity areas (KBAs) protected (%)	34.4	50	34.4	-			
3.2.3	Pesticide use per area of cropland (kg/ha)	13.1	63	6.6	7			
3.3	RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)	0.8	69	13.0	<b>↑</b>			
3.4	ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)	7.5	61	37.7	<b>↑</b>			
4.	Governance transition		54	52.7	-			
4.1	FUNDAMENTAL RIGHTS		68	24.7	<b>1</b>			
4.1.1	Voice and accountability index (z-score)	(1.4)	71	7.4	<b>1</b>	/		
4.1.2	Rule of law index (z-score)	(0.2)	54	42.0	<b>↑</b>	<u></u>		
4.2	SECURITY: Homicide rate (per 100,000 inhabitants)	0.5	8	88.3	7			
4.3	TRANSPARENCY		68	36.1	<b>\P</b>			
4.3.1	Corruption perceptions index (0-100)	39.0	52	39.0	_			
4.3.2	Basel anti-money laundering index (0-10)	6.6	68	34.1	<b>\</b>			
4.4	SOUND PUBLIC FINANCES: Government gross debt (% of GDP)	55.6	40	80.3	<b>4</b>			
Tunnait	tion leader [75-100] Strong transition [65-75] Good transition [55-65]	Madausta tuspaitian [4	r	\\/a= , *******	ian [O 45			

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

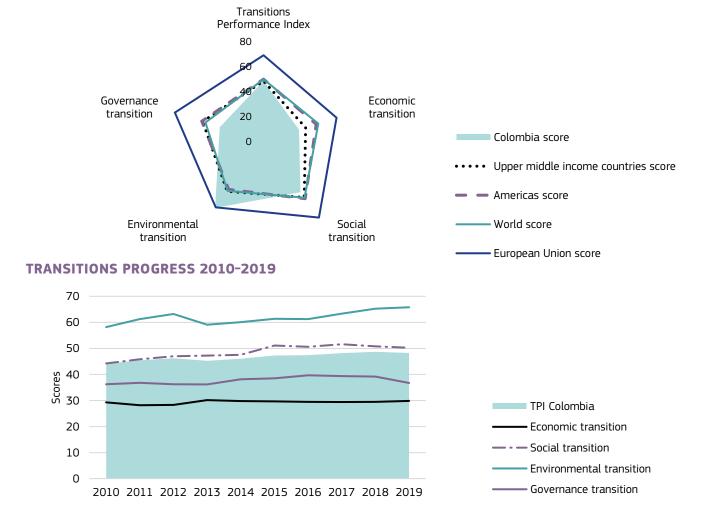
Note: Progress lines use automatic scaling.



<b>COLOMBIA</b>			
POPULATION (million inhabitants)	50.4	GDP PER CAPITA (current PPP\$)	15 541.2
GROSS DOMESTIC PRODUCT (GDP) (billion PPP\$)	783.0	TRADE (% of GDP)	38.1

2019	TPI	TRANSITIONS						
2019	IPI	ECONOMIC SOCIAL		ENVIRONMENTAL	GOVERNANCE			
Colombia ranks	55	60	61	12	70			
Colombia score	48.2	29.9	50.3	65.8	36.7			
World weighted average score	49.7	46.1	55.8	48.9	48.8			
Upper middle income countries score	48.2	35.4	55.4	49.4	51.2			
America score	49.8	44.2	56.7	47.5	52.0			
European Union score	68.8	61.4	75.4	65.2	74.5			

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]





Section   Sect	COLOMBIA			2019		2010-2019	
1. Economic transition 1.1 EDUCATION. Government expenditure in education per student (% of of GDP per capita) 1.2 WEALTH: GDP per capita, current dollars (PPP\$) 1.3 LABOUR PRODUCTIVITY & R&D INTENSITY 1.3.1 Output per worker (2011 constant GDP PPP5) 1.3.2 Gross expenditure on R&D (% of GDP) 1.3.3 Gross expenditure on R&D (% of GDP) 1.3.4 INDUSTRIAL BASE 1.4.1 Gross value added of manufacturing (% of GDP) 1.4.2 Patter families filled in two offices (per billion PPPS GDP) 1.4.2 Patter families filled in two offices (per billion PPPS GDP) 1.4.2 Patter families filled in two offices (per billion PPPS GDP) 1.4.2 Patter families filled in two offices (per billion PPPS GDP) 1.5.2 Social transition 1.6 Social transition 1.7 Social transition 1.8 Social transition 1.9 Social transition 1.0 Social transition 1.0 Social transition 1.1 Social transition 1.2 Social transition 1.2 Social transition 1.3 Social transition 1.4 Social transition 1.5 Social transition 1.6 Social transition 1.7 Social transition 1.8 Social transition 1.9 Social transition 1.0 Social transition 1.			VALUE	RANK	SCORE	SCORE PROGRESS	
11	TRANS	ITIONS PERFORMANCE INDEX		55	48.2	7	
11   1	1.	Economic transition		60	29.9	-	
1.3 LABOUR PRODUCTIVITY & R&D INTENSITY  1.3.1 Output per worker (2011 constant GDP PPPS)  28 300.7 61 18.9 ↑  1.3.2 Gross expenditure on R&D (% of GDP)  0.2 67 4.7 ↑  1.4 INDUSTRIAL BASE  1.4.1 Gross value added of manufacturing (% of GDP)  1.1.2 49 37.4 ↓  1.4.2 Patent families filed in two offices (per billion PPPS GDP)  1.4.2 Patent families filed in two offices (per billion PPPS GDP)  2. Social transition  2.1 HEALTH. Healthy life expectancy at birth (years)  2.2 WORK AND INCLUSION  2.2.2 Employment rate of the population aged 20-64 (%)  2.2.3 Employment rate of the population aged 20-64 (%)  2.2.4 Employment rate of the population (%)  2.2.5 FREE OR NON-REMUNERATED TIME:  7. FREE OR NON-REMUNERATED TIME:  7. FREE OR NON-REMUNERATED TIME:  7. Free or non-remunerated time (%)  2.4.1 Gini coefficient disposable income post taxes and transfers  8.0.4 70 32.4 ↑  2.4.2 (income share held by the poorest quintile (%)  3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions  3.2 BIODIVERSITY  3.3 EMISSIONS REDUCTION: Gross greenhouse gas emissions  1.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions  3.2 BIODIVERSITY  3.3. Pesticide use per area of cropland (kg/ha)  3.4 EMERGY PRODUCTIVITY: Resource productivity  7. Pest of the poorest gain (kg/ha)  3.4 EMERGY PRODUCTIVITY: Resource productivity  2.7 19 45.3 ↑  4.1 FUNDAMENTAL RIGHTS  3.3 ENERGY PRODUCTIVITY: Renergy productivity (PPPS per koe)  4.1 ENDAMENTAL RIGHTS  3.3 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  4.1 FUNDAMENTAL RIGHTS  3.3 RESOURCE PRODUCTIVITY: Benergy productivity (PPPS per koe)  4.2 EVERGY PRODUCTIVITY: Henricide rate (per 100,000 inhabitants)  3.5 SECURITY: Homicide rate (per 100,000 inhabitants)  3.6 SECURITY: Homicide rate (per 100,000 inhabitants)  3.7 Security: Homicide rate (per 100,000 inhabitants)  3.8 SECURITY: Homicide rate (per 100,000 inhabitants)  3.9 Security: Homicide rate (per 100,000 inhabitants)  3.1 Security: Homicide rate (per 100,000 inhabitants)	1.1	·	11.2	53	44.9	- \	
1.3.1 Output per worker (2011 constant GDP PPPS) 28 300.7 61 18.9 ↑ 1.3.2 Gross expenditure on R&D (% of GDP) 0.2 67 4.7 ↑ 1.4 INDUSTRIAL BASE 1.4.1 Gross value added of manufacturing (% of GDP) 1.1.2 49 37.4 ↓ 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 2. Social transition 2.1 HEALTH: Healthy life expectancy at birth (years) 2.2 WORK AND INCLUSION 2.2.1 Employment rate of the population aged 20-64 (%) 2.2.2 Employment rate of the population ratio gender gap 25+ (%) 2.2.3 Early childhood care and education (%) 2.3 FREE OR NON-REMUNERATED TIME: rere or non-remunerated time (%) 2.4 EQUALITY 2.4.1 (Gini coefficient disposable income post taxes and transfers (0-100) 2.4.2 Income share held by the poorest quintile (%) 3. Environmental transition 3. RESOURCE PRODUCTIVITY: Resource productivity (PPPS per koe) 3. RESOURCE PRODUCTIVITY: Resource productivity (PPPS per koe) 4. Governance transition 4. ENGREY PRODUCTIVITY: Resource productivity (PPPS per koe) 4. Governance transition 4. ENGREY PRODUCTIVITY: Resource productivity (PPPS per koe) 4. Governance transition 4. FUNDAMENTAL RIGHTS 5. GROUNT RIGHTS 6. GROUNT RIGHT RIGHTS 6. GROUNT RIGHTS 6. GROUNT RIGHT RIGHT	1.2	WEALTH: GDP per capita, current dollars (PPP\$)	15 541.2	56	20.7	<b>↑</b>	
1.3.2 Gross expenditure on R&D (% of GDP)  1.4 INDUSTRIAL BASE  1.4.1 Gross value added of manufacturing (% of GDP)  1.2 Patent families filed in two offices (per billion PPPS GDP)  2.1 HEALTH: Healthy life expectancy at birth (years)  2.2 WORK AND INCLUSION  2.1 Employment rate of the population aged 20-64 (%)  2.2 Employment-to-population ratio gender gap 25+ (%)  2.2.2 Employment-to-population ratio gender gap 25+ (%)  2.2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  2.4 EQUALITY  2.5 Gini coefficient disposable income post taxes and transfers (0-100)  3. Environmental transition  3. Environmental transition  3. EmissionNs REDUCTION: Gross greenhouse gas emissions (chones per capita)  3. ElisonNs REDUCTION: Gross greenhouse gas emissions (chones per capita)  3. RESOURCE PRODUCTIVITY: Resource productivity (PPPS per koe)  3. RESCURCE PRODUCTIVITY: Resource productivity (PPPS per koe)  4. RENERGY PRODUCTIVITY: Resource productivity (PPPS per koe)  4. RENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  4. Security: Homicale and countability index (z-score)  4. Glar control and countability index (z-score)  4. Security: Homicale rate (per 100,000 inhabitants)  3. RENERGY PRODUCTIVITY: Homicale rate (per 100,000 inhabitants)  3. RENASSPARENCY  4. Security: Homicale rate (per 100,000 inhabitants)  3. RENASSPARENCY  4. Sea Sea Sea Hall-Proposed and transfers (page 3 decreased and page 4 decreased and page 4 decreased and page 4 decreased and page 4 decreased and page 5 dec	1.3	LABOUR PRODUCTIVITY & R&D INTENSITY		63	11.8	1	
1.4 INDUSTRIAL BASE  1.4.1 Gross value added of manufacturing (% of GDP)  1.4.2 Patent families filed in two offices (per billion PPPS GDP)  2. Social transition  2.1 HEALTH: Healthy life expectancy at birth (years)  2.2 WORK AND INCLUSION  2.2.1 Employment rate of the population aged 20-64 (%)  2.2.2 Employment-to-population ratio gender gap 25+ (%)  2.2.2 Employment-to-population ratio gender gap 25+ (%)  2.2.3 Early childhood care and education (%)  2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  2.4 EQUALITY  2.5 Gold To 30.6 ↑  2.6 The Free or non-remunerated time (%)  3.6 Environmental transition  3.7 Environmental transition  3.8 Environmental transition  3.9 B6.8 №  3.1 Einsison's REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3.1 Iterrestrial key biodiversity areas (KBAs) protected (%)  3.2 BIODIVERSITY  3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per koe)  4.4 Governance transition  4.1 FUNDAMENTAL RIGHTS  4.1 Voice and accountability index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  2.5 Get 4  3.7 AND ADD ADD ADD ADD ADD ADD ADD ADD ADD	1.3.1	Output per worker (2011 constant GDP PPP\$)	28 300.7	61	18.9	<b>↑</b>	
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2. Social transition  2.1 HEALTH: Healthy life expectancy at birth (years)  2.2 WORK AND INCLUSION  2.2.1 Employment rate of the population aged 20-64 (%)  2.2.2 Employment rate of the population aged 20-64 (%)  2.2.2 Employment rate of the population aged 20-64 (%)  2.2.3 Early childhood care and education (%)  2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  2.4 EQUALITY  70 30.6 ↑  2.4.1 (0-100)  2.4.2 Income share held by the poorest quintile (%)  3. Environmental transition  12 65.8 ↑  3. EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3. EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3. BIODIVERSITY  3. BIODIVERSITY  3. RESISTING HEALT (REAL)  3. RESOURCE PRODUCTIVITY: Resource productivity (PPPS per kg)  3. RESOURCE PRODUCTIVITY: Resource productivity (PPPS per koe)  4. Governance transition  70 36.7 -  4.1 FUNDAMENTAL RIGHTS  53 45.9 A  4.1 TRANSPARENCY  58 39.4 ↑  4.3 TRANSPARENCY  58 39.4 ↑  4.3 TRANSPARENCY  58 39.4 ↑  4.3 TRANSPARENCY  58 39.4 ↓  58 39.4 ↓  58 39.4 ↓  58 39.4 ↓  58 39.4 ↓  58 39.4 ↓  58 39.4 ↓  58 39.4 ↓  58 39.4 ↓  58 39.4 ↓  58 39	1.4.1	Gross value added of manufacturing (% of GDP)	11.2	49	37.4	<b>V</b>	
2.1 HEALTH: Healthy life expectancy at birth (years)  2.2 WORK AND INCLUSION  2.2.1 Employment rate of the population aged 20-64 (%)  2.2.2 Employment-to-population ratio gender gap 25+ (%)  2.2.2 Employment-to-population ratio gender gap 25+ (%)  2.2.3 Early childhood care and education (%)  2.3 FREE OR NON-REMUNEATED TIME:	1.4.2	Patent families filed in two offices (per billion PPP\$ GDP)	0.1	59	26.4	7 V	
2.2 WORK AND INCLUSION  2.2.1 Employment rate of the population aged 20-64 (%)  2.2.2 Employment-to-population ratio gender gap 25+ (%)  2.2.3 Early childhood care and education (%)  2.3 FREE OR NON-REMUNERATED TIME:	2.	Social transition		61	50.3	1	
2.2.1 Employment rate of the population aged 20-64 (%) 66.5 44 53.0 2 2.2.2 Employment-to-population ratio gender gap 25+ (%) 27.2 59 61.2 - 2.3 Early childhood care and education (%) 50.9 45 51.5 ↑  2.3 FREE OR NON-REMUNERATED TIME: 70 30.6 ↑ 2.4 EQUALITY 70 30.6 ↑ 2.4.1 Gini coefficient disposable income post taxes and transfers (0-100) 40. 69 25.0 ↑ 2.4.2 Income share held by the poorest quintile (%) 40. 69 25.0 ↑ 3. Environmental transition 12 65.8 ↑ 3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 52 40.3 ↑ 3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 41.4 41 41.4 41.4 41.4 41.4 41.4 41.4	2.1	HEALTH: Healthy life expectancy at birth (years)	64.4	52	64.6	7	
2.2.2 Employment-to-population ratio gender gap 25+ (%)	2.2	WORK AND INCLUSION		52	56.0	1	
2.2.3 Early childhood care and education (%) 50.9 45 51.5 ↑  2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%) 70 30.6 ↑  2.4 EQUALITY 70 30.6 ↑  2.4.1 Gini coefficient disposable income post taxes and transfers (0-100) 2.4.2 Income share held by the poorest quintile (%) 4.0 69 25.0 ↑  3. Environmental transition 12 65.8 ↑  3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (10 conseps per capita) 50.1 Terrestrial key biodiversity areas (KBAs) protected (%) 41.4 41 41.4 ↑  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 39.3 39 39.3 ↑  3.3 Pesticide use per area of cropland (kg/ha) N/A	2.2.1	Employment rate of the population aged 20-64 (%)	66.5	44	53.0	7	
2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  2.4 EQUALITY  70 30.6 ↑  2.4.1 (Gini coefficient disposable income post taxes and transfers (O-100)  2.4.2 Income share held by the poorest quintile (%)  3. Environmental transition  3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3.2 BIODIVERSITY  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per koe)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  4.5 Governance transition  70 36.7  4.1 FUNDAMENTAL RIGHTS  4.3 TRANSPARENCY  5.8 39.4 ↓  4.3 TRANSPARENCY  5.8 39.4 ↓  4.3.1 Corruption perceptions index (0-100)  5.8 57 41.7 ↓	2.2.2	Employment-to-population ratio gender gap 25+ (%)	27.2	59	61.2	-	
Free or non-remunerated time (%)  2.4 EQUALITY  70 30.6 ↑  2.4.1 (Gini coefficient disposable income post taxes and transfers (0-100)  2.4.2 Income share held by the poorest quintile (%)  3. Environmental transition  12 65.8 ↑  3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3.2 BIODIVERSITY  5.2 HO.3 ↑  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.3 Pesticide use per area of cropland (kg/ha)  3.4 ENERGY PRODUCTIVITY: Resource productivity (PPPS per koe)  4. Governance transition  70 36.7 −  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  2.5 Basel anti-money laundering index (0-100)  3.6 Total Raise Aria Fig. 1.5 Total Raise	2.2.3	Early childhood care and education (%)	50.9	45	51.5	^	
2.4 EQUALITY 2.4.1 Gini coefficient disposable income post taxes and transfers (0-100) 2.4.2 Income share held by the poorest quintile (%) 3. Environmental transition 3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3.2 BIODIVERSITY 5.2 Horsestrial key biodiversity areas (KBAs) protected (%) 3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.2.3 Pesticide use per area of cropland (kg/ha) 3.4 ENERGY PRODUCTIVITY: Resource productivity (PPPS per kg) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 4.1 FUNDAMENTAL RIGHTS 4.1 Voice and accountability index (z-score) 4.1.2 Rule of law index (z-score) 4.3 TRANSPARENCY 5.3 Basel anti-money laundering index (0-100) 5.8 57 41.7	23		48.5	47	61.0	_ ~	
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3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3.2 BIODIVERSITY  5.2 40.3 ↑  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.2.3 Pesticide use per area of cropland (kg/ha)  3.2.4 RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)  4. Governance transition  70 36.7 -  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  2.5 SECURITY: Homicide rate (per 100,000 inhabitants)  3.6 SP SECURITY: Homicide rate (per 100,000 inhabitants)  3.7 Session Service Productivity (PPP\$ per kg)  3.8 SP	2.4.2	Income share held by the poorest quintile (%)	4.0	69	25.0	<b>↑</b>	
3.2 BIODIVERSITY  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.2.3 Pesticide use per area of cropland (kg/ha)  3.2.4 RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)  4. Governance transition  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  4.3.2 Basel anti-money laundering index (0-10)  5.8 57  5.2 59  4.1.4 4.1.4  4.1.1  4.2.2  4.2  4	3.	Environmental transition		12	65.8	<b>↑</b>	
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3.2.3 Pesticide use per area of cropland (kg/ha)  N/A N/A N/A N/A  RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)  RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)  RESOURCE PRODUCTIVITY: Resource productivity  2.7 19 45.3 ↑  8.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)  RESOURCE PRODUCTIVITY: Resource productivity  8.7 19 45.3 ↑  8.8 45.9 →  9.9 -  4.1 FUNDAMENTAL RIGHTS  S3 45.9 →  4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.1.3 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  25.3 68 9.4 ↑  4.3 TRANSPARENCY  8.3 9.4 ↓  4.3.1 Corruption perceptions index (0-100)  36.0 57 36.0 -  4.3.2 Basel anti-money laundering index (0-10)  5.8 57 41.7 ↓	3.2.1	Terrestrial key biodiversity areas (KBAs) protected (%)	41.4	41	41.4	1	
3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)  4. Governance transition  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  4.3.2 Basel anti-money laundering index (0-10)  5.8 57  5.7 41.7   4.5.3 ↑  4.5.3 ↑  4.5.3 ↑  4.5.3 ↑  4.5.3 ↑  4.5.3 ↑  4.5.3 ↑  4.5.4 ↑  4.6.5 ↑  4.7 ↑  4.7 ↑  4.8.7 ↑  4.8.8 ↑  4.9 ↑  4.9 ↑  4.9 ↑  4.9 ↑  4.10 ↑  4.10 ↑  4.10 ↑  4.10 ↑  4.11 ↑  4.11 ↑  4.12 ↑  4.12 ↑  4.13 ↑  4.14 ↑  4.15 ↑  4.16 ↑  4.17 ↑  4.17 ↑  4.17 ↑  4.18 ↑  4.19 ↑  4.19 ↑  4.10 ↑  4.10 ↑  4.10 ↑  4.10 ↑  4.10 ↑  4.11 ↑  4.11 ↑  4.12 ↑  4.12 ↑  4.13 ↑  4.14 ↑  4.15 ↑  4.16 ↑  4.17 ↑  4.17 ↑  4.18 ↑  4.19 ↑  4.19 ↑  4.10 ↑  4.10 ↑  4.10 ↑  4.10 ↑  4.10 ↑  4.11 ↑  4.11 ↑  4.12 ↑  4.12 ↑  4.13 ↑  4.14 ↑  4.15 ↑  4.16 ↑  4.17 ↑  4.17 ↑  4.18 ↑  4.19 ↑  4.19 ↑  4.10 ↑	3.2.2	Freshwater key biodiversity areas (KBAs) protected (%)	39.3	39	39.3	1	
3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)  4. Governance transition  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  4.3.2 Basel anti-money laundering index (0-10)  5.8 57  57  69.9  7  7  7  7  7  7  7  7  7  7  7  7  7	3.2.3	Pesticide use per area of cropland (kg/ha)	N/A	N/A	N/A	<b>↑</b>	
4. Governance transition  4.1 FUNDAMENTAL RIGHTS  53 45.9  4.1.1 Voice and accountability index (z-score)  62 34.2  4.1.2 Rule of law index (z-score)  63 45.9  74 57.6  75 6 ↑  76 10 10 10 10 10 10 10 10 10 10 10 10 10	3.3		2.7	19	45.3	<b>↑</b>	
4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  53 45.9  7 57.6  ↑  4.1.2 Rule of law index (z-score)  (0.4) 62 34.2  4.3 SECURITY: Homicide rate (per 100,000 inhabitants)  58 39.4  4.3.1 Corruption perceptions index (0-100)  36.0 57 36.0 -  4.3.2 Basel anti-money laundering index (0-10)  5.8 57 41.7	3.4	ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)	18.2	5	90.9	- 1	
4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  58 39.4 ↓  4.3.1 Corruption perceptions index (0-100)  4.3.2 Basel anti-money laundering index (0-10)  5.8 57 41.7 ↓	4.	Governance transition		70	36.7	-	
4.1.2 Rule of law index (z-score) (0.4) 62 34.2 ↓   4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 25.3 68 9.4 ↑   4.3 TRANSPARENCY 58 39.4 ↓   4.3.1 Corruption perceptions index (0-100) 36.0 57 36.0 -   4.3.2 Basel anti-money laundering index (0-10) 5.8 57 41.7 ↓	4.1	FUNDAMENTAL RIGHTS		53	45.9	7	
4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  25.3 68 9.4 ↑  4.3 TRANSPARENCY  58 39.4 ↓  4.3.1 Corruption perceptions index (0-100)  36.0 57 36.0 −  4.3.2 Basel anti-money laundering index (0-10)  5.8 57 41.7 ↓	4.1.1	Voice and accountability index (z-score)	0.2	47	57.6	1	
4.3       TRANSPARENCY       58       39.4       ↓         4.3.1       Corruption perceptions index (0-100)       36.0       57       36.0       -         4.3.2       Basel anti-money laundering index (0-10)       5.8       57       41.7       ↓	4.1.2	Rule of law index (z-score)	(0.4)	62	34.2	7 \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	
4.3.1 Corruption perceptions index (0-100) 36.0 57 36.0 − 4.3.2 Basel anti-money laundering index (0-10) 5.8 57 41.7 ↓	4.2	SECURITY: Homicide rate (per 100,000 inhabitants)	25.3	68	9.4	<b>↑</b>	
4.3.2 Basel anti-money laundering index (0-10)  5.8 57 41.7	4.3	TRANSPARENCY		58	39.4	<b>4</b>	
	4.3.1	Corruption perceptions index (0-100)	36.0	57	36.0		
	4.3.2	Basel anti-money laundering index (0-10)	5.8	57	41.7	Ψ	
4.4 SOUND PUBLIC FINANCES: Government gross debt (% of GDP) 51.0 35 83.2 ↓	4.4	SOUND PUBLIC FINANCES: Government gross debt (% of GDP)	51.0	35	83.2	<b>+</b>	

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

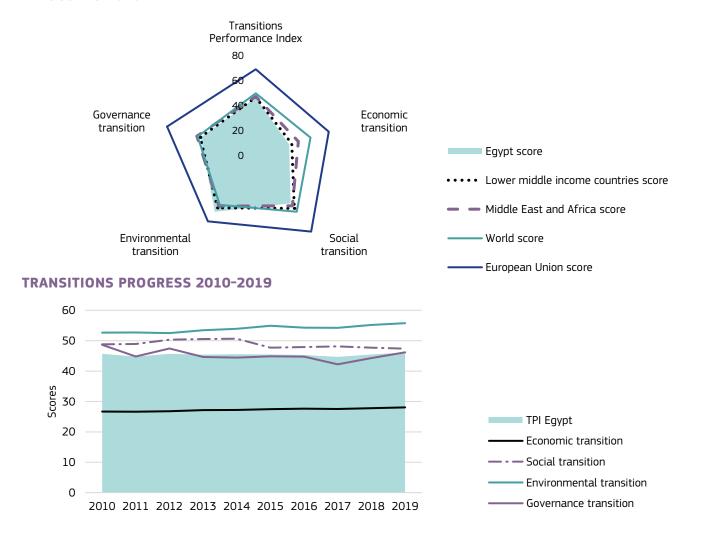
Note: Progress lines use automatic scaling.



<b>EGYPT</b>			
POPULATION (million inhabitants)	99.2	GDP PER CAPITA (current PPP\$)	14 023.2
GROSS DOMESTIC PRODUCT (GDP) (billion PPP\$)	1 391.3	TRADE (% of GDP)	48.3

2019	TPI	TRANSITIONS						
2019	IPI	ECONOMIC SOCIAL		ENVIRONMENTAL	GOVERNANCE			
Egypt ranks	62	63	67	35	63			
Egypt score	46.2	28.1	47.4	55.8	46.2			
World weighted average score	49.7	46.1	55.8	48.9	48.8			
Lower middle income countries score	46.4	30.3	52.5	52.0	46.6			
Middle East and Africa score	47.1	35.9	49.9	50.2	49.6			
European Union score	68.8	61.4	75.4	65.2	74.5			

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]





ECVDT		2019			2010-2019	
EGYPT		VALUE	RANK	SCORE	SCORE PROGRESS	
TRANS	ITIONS PERFORMANCE INDEX		62	46.2	- /	
1.	Economic transition		63	28.1		
1.1	EDUCATION: Government expenditure in education per student (% of GDP per capita)	7.5	67	30.0	-	
1.2	WEALTH: GDP per capita, current dollars (PPP\$)	14 023.2	58	18.7	<b>↑</b>	
1.3	LABOUR PRODUCTIVITY & R&D INTENSITY		51	21.1	1	
1.3.1	Output per worker (2011 constant GDP PPP\$)	41 603.4	51	27.7	<b>↑</b>	
1.3.2	Gross expenditure on R&D (% of GDP)	0.7	48	14.5	1	
1.4	INDUSTRIAL BASE		58	37.0	7	
1.4.1	Gross value added of manufacturing (% of GDP)	16.3	22	54.3		
1.4.2	Patent families filed in two offices (per billion PPP\$ GDP)	0.0	67	11.2	<b>+</b>	
2.	Social transition		67	47.4	<u>v</u>	
2.1	HEALTH: Healthy life expectancy at birth (years)	59.9	66	49.6	7	
2.2	WORK AND INCLUSION		71	11.1	<u>v</u>	
2.2.1	Employment rate of the population aged 20-64 (%)	46.5	63	13.0	<b>V</b>	
2.2.2	Employment-to-population ratio gender gap 25+ (%)	60.0	70	14.3	<b>1</b>	
2.2.3	Early childhood care and education (%)	20.5	67	0.8	7	
2.3	FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)	30.3	70	27.9	<b>+</b>	
2.4	EQUALITY		16	77.7	у	
2.4.1	Gini coefficient disposable income post taxes and transfers (0-100)	31.5	21	74.4	<u>v</u> _/\	
2.4.2	Income share held by the poorest quintile (%)	9.0	9	87.5	<u>v</u>	
3.	Environmental transition		35	55.8		
3.1	EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)	2.9	7	87.7	-	
3.2	BIODIVERSITY		46	44.5	-	
3.2.1	Terrestrial key biodiversity areas (KBAs) protected (%)	40.3	44	40.3	_	
3.2.2	Freshwater key biodiversity areas (KBAs) protected (%)	28.5	56	28.5	_	
3.2.3	Pesticide use per area of cropland (kg/ha)	2.2	31	84.6	7	
3.3	RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)	1.8	48	30.3	1	
3.4	ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)	12.1	30	60.5	-	
4.	Governance transition		63	46.2	У //	
4.1	FUNDAMENTAL RIGHTS		69	22.0	<b>↓</b>	
4.1.1	Voice and accountability index (z-score)	(1.3)	68	10.0	<b>↓</b>	
4.1.2	Rule of law index (z-score)	(0.4)	64	34.0	<b>V</b>	
4.2	SECURITY: Homicide rate (per 100,000 inhabitants)	2.6	53	64.9	7	
4.3	TRANSPARENCY		48	46.7	7	
4.3.1	Corruption perceptions index (0-100)	35.0	61	35.0	7	
4.3.2	Basel anti-money laundering index (0-10)	4.6	26	54.5	7	
4.4	SOUND PUBLIC FINANCES: Government gross debt (% of GDP)	84.9	58	61.4	<b>↓</b>	
Transit	ion leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Mo	oderate transition [4	15-55[ 1	Weak transiti	ion [0-45[	

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

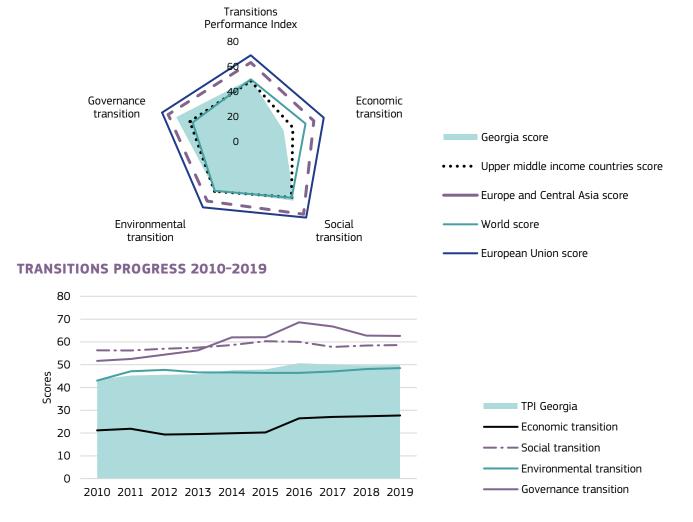
Note: Progress lines use automatic scaling.



<b>GEORGIA</b>			
POPULATION (million inhabitants)	3.7	GDP PER CAPITA (current PPP\$)	12 227.5
GROSS DOMESTIC PRODUCT (GDP) (billion PPP\$)	45.4	TRADE (% of GDP)	116.9

2019	TPI	TRANSITIONS						
2019	IPI	ECONOMIC SOCIAL		ENVIRONMENTAL	GOVERNANCE			
Georgia ranks	50	65	52	50	41			
Georgia score	49.9	27.7	58.6	48.5	62.7			
World weighted average score	49.7	46.1	55.8	48.9	48.8			
Upper middle income countries score	48.2	35.4	55.4	49.4	51.2			
Europe and Central Asia score	63.1	53.1	72.0	59.1	69.5			
European Union score	68.8	61.4	75.4	65.2	74.5			

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]





GEORGIA		2	2019	2010-2019	
		VALUE	RANK	SCORE	SCORE PROGRESS
TRANS	ITIONS PERFORMANCE INDEX		50	49.9	1
1.	Economic transition		65	27.7	1
1.1	EDUCATION: Government expenditure in education per student (% of GDP per capita)	11.1	54	44.6	<b>↑</b>
1.2	WEALTH: GDP per capita, current dollars (PPP\$)	12 227.5	63	16.3	<b>↑</b>
1.3	LABOUR PRODUCTIVITY & R&D INTENSITY		67	10.6	<b>↑</b>
1.3.1	Output per worker (2011 constant GDP PPP\$)	22 744.0	65	15.2	1
1.3.2	Gross expenditure on R&D (% of GDP)	0.3	64	6.1	<b>↑</b>
1.4	INDUSTRIAL BASE		66	29.8	- ^
1.4.1	Gross value added of manufacturing (% of GDP)	8.8	62	29.4	<u>v</u>
1.4.2	Patent families filed in two offices (per billion PPP\$ GDP)	0.1	55	30.3	7
2.	Social transition		52	58.6	- /
2.1	HEALTH: Healthy life expectancy at birth (years)	61.5	62	54.9	-
2.2	WORK AND INCLUSION		53	54.9	- ~~
2.2.1	Employment rate of the population aged 20-64 (%)	60.9	52	41.7	1
2.2.2	Employment-to-population ratio gender gap 25+ (%)	19.8	49	71.7	<u>у</u> ~~
2.2.3	Early childhood care and education (%)	48.7	50	47.8	_
2.3	FREE OR NON-REMUNERATED TIME:	48.9	44	61.6	V
	Free or non-remunerated time (%)	10.5			
2.4	EQUALITY  Gini coefficient disposable income post taxes and transfers		47	61.7	1
2.4.1	(0-100)	36.4	47	63.6	7
2.4.2	Income share held by the poorest quintile (%)	6.5	45	56.3	<b>↑</b>
<b>3</b> .	Environmental transition		50	48.5	7
3.1	EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)	3.7	13	84.8	7 /
3.2	BIODIVERSITY		58	36.9	<b>↑</b>
3.2.1	Terrestrial key biodiversity areas (KBAs) protected (%)	37.8	49	37.8	1
3.2.2	Freshwater key biodiversity areas (KBAs) protected (%)	36.1	46	36.1	<b>↑</b> /
3.2.3	Pesticide use per area of cropland (kg/ha)	N/A	N/A	N/A	<b>↑</b>
3.3	RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)	1.7	51	28.6	1
3.4	ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)	8.7	55	43.7	7
4.	Governance transition		41	62.7	<b>↑</b>
4.1	FUNDAMENTAL RIGHTS		40	61.3	1
4.1.1	Voice and accountability index (z-score)	0.2	44	59.7	1
4.1.2	Rule of law index (z-score)	0.3	38	62.9	<b>↑</b>
4.2	SECURITY: Homicide rate (per 100,000 inhabitants)	2.2	48	67.6	↑
4.3	TRANSPARENCY		40	52.0	7
4.3.1	Corruption perceptions index (0-100)	58.0	31	58.0	7
4.3.2	Basel anti-money laundering index (0-10)	5.2	49	48.0	7
4.4	SOUND PUBLIC FINANCES: Government gross debt (% of GDP)	50.0	33	83.9	У К
	.	A4 1 1 1 1 11 1	45 551 =	WI-4	

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

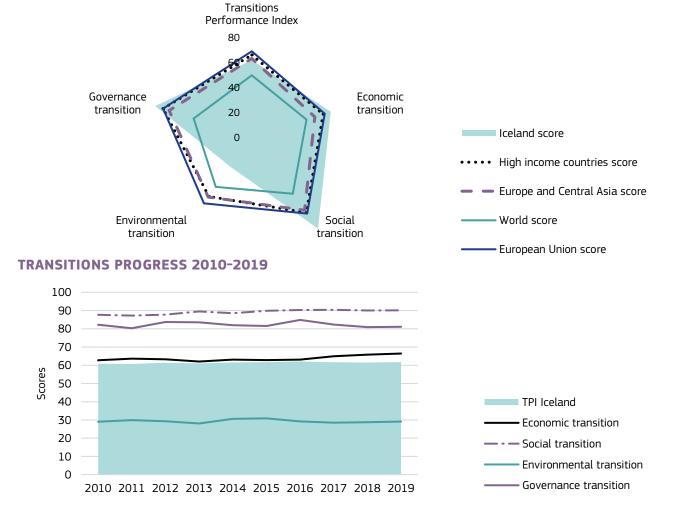
Note: Progress lines use automatic scaling.



<b>ICELAND</b>			
POPULATION (million inhabitants)	0.4	GDP PER CAPITA (current PPP\$)	56 066.3
GROSS DOMESTIC PRODUCT (GDP) (billion PPP\$)	20.0	TRADE (% of GDP)	85.9
SUMMARY INNOVATION INDEX (0-100)	57.9		

2019	TPI	TRANSITIONS					
2019	IPI	ECONOMIC SOCIAL		ENVIRONMENTAL	GOVERNANCE		
Iceland ranks	30	12	1	71	10		
Iceland score	61.8	66.4	90.1	29.1	81.1		
World weighted average score	49.7	46.1	55.8	48.9	48.8		
High income countries score	66.0	60.0	74.4	58.4	74.5		
Europe and Central Asia score	63.1	53.1	72.0	59.1	69.5		
European Union score	68.8	61.4	75.4	65.2	74.5		

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]





ICELAND		2	019	2010-2019	
		VALUE	RANK	SCORE	SCORE PROGRESS
TRANS	ITIONS PERFORMANCE INDEX		30	61.8	
1.	Economic transition		12	66.4	- ~~
1.1	EDUCATION: Government expenditure in education per student (% of GDP per capita)	22.3	4	89.3	7 ~
1.2	WEALTH: GDP per capita, current dollars (PPP\$)	56 066.3	9	74.8	<b>↑</b>
1.3	LABOUR PRODUCTIVITY & R&D INTENSITY		19	49.0	-
1.3.1	Output per worker (2011 constant GDP PPP\$)	83 085.5	22	55.4	<b>↑</b>
1.3.2	Gross expenditure on R&D (% of GDP)	2.1	15	42.5	<b>↓</b>
1.4	INDUSTRIAL BASE		29	49.5	<b>V</b>
1.4.1	Gross value added of manufacturing (% of GDP)	8.7	63	29.0	<b>V</b>
1.4.2	Patent families filed in two offices (per billion PPP\$ GDP)	3.7	13	80.3	7
2.	Social transition		1	90.1	
2.1	HEALTH: Healthy life expectancy at birth (years)	72.3	4	91.1	-
2.2	WORK AND INCLUSION		1	90.8	7
2.2.1	Employment rate of the population aged 20-64 (%)	86.5	2	93.0	<b>↑</b>
2.2.2	Employment-to-population ratio gender gap 25+ (%)	10.3	9	85.2	у к
2.2.3	Early childhood care and education (%)	78.6	1	97.6	-
2.3	FREE OR NON-REMUNERATED TIME:	66.4	1	93.4	_
	Free or non-remunerated time (%)		_		
2.4	EQUALITY  Gini coefficient disposable income post taxes and transfers		6	87.1	3
2.4.1	(0-100)	26.8	6	84.9	7
2.4.2	Income share held by the poorest quintile (%)	9.5	5	93.8	
3.	Environmental transition		71	29.1	- ~
3.1	EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)	17.2	67	28.3	•
3.2	BIODIVERSITY		53	39.6	-
3.2.1	Terrestrial key biodiversity areas (KBAs) protected (%)	15.0	70	15.0	-
3.2.2	Freshwater key biodiversity areas (KBAs) protected (%)	33.9	51	33.9	7
3.2.3	Pesticide use per area of cropland (kg/ha)	0.0	1	99.9	- \
3.3	RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)	2.0	39	33.0	7
3.4	ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)	3.1	72	15.7	↑
4.	Governance transition		10	81.1	7 \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
4.1	FUNDAMENTAL RIGHTS		12	93.9	У И
4.1.1	Voice and accountability index (z-score)	1.4	12	92.1	У К
4.1.2	Rule of law index (z-score)	1.7	12	95.7	-
4.2	SECURITY: Homicide rate (per 100,000 inhabitants)	0.9	20	82.4	7 \\\\
4.3	TRANSPARENCY		18	62.4	<b>V</b>
4.3.1	Corruption perceptions index (0-100)	76.0	14	76.0	<u>и</u> и
4.3.2	Basel anti-money laundering index (0-10)	4.7	32	53.4	<b>V</b>
4.4	SOUND PUBLIC FINANCES: Government gross debt (% of GDP)	33.6	16	94.5	<b>↑</b>
Trancit	tion leader [75-100] Strong transition [65-75] Good transition [55-65]	Moderate transition [4	5_551	Work trancit	ion [0-45]

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

Note: Progress lines use automatic scaling.

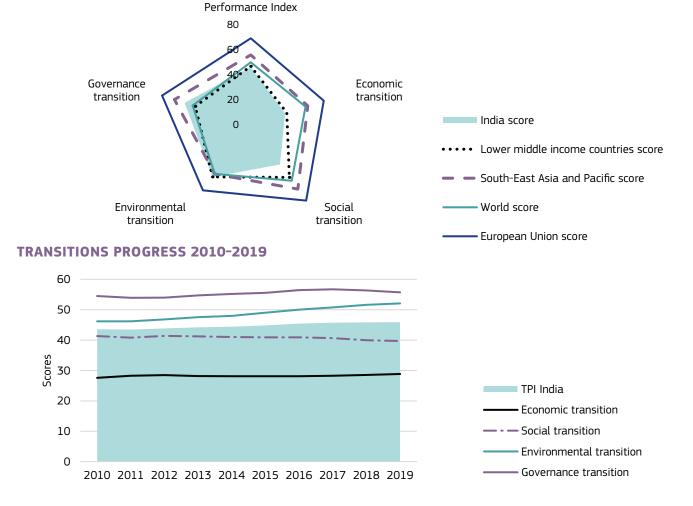


INDIA			
POPULATION (million inhabitants)	1 351.8	GDP PER CAPITA (current PPP\$)	8 378.4
GROSS DOMESTIC PRODUCT (GDP) (billion PPP\$)	11 325.7	TRADE (% of GDP)	40.0
SUMMARY INNOVATION INDEX (0-100)	14.2		

2019	TDI	TPI TRANSITIONS					
2019	IPI	ECONOMIC	SOCIAL	ENVIRONMENTAL	GOVERNANCE		
India ranks	63	61	70	43	51		
India score	45.9	28.9	39.7	52.1	55.7		
World weighted average score	49.7	46.1	55.8	48.9	48.8		
Lower middle income countries score	46.4	30.3	52.5	52.0	46.6		
South-East Asia and Pacific score	55.6	47.9	64.0	49.0	64.1		
European Union score	68.8	61.4	75.4	65.2	74.5		

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

Transitions





1.	INDIA			2019		2010-2019	
1. Economic transition 1.1 EDUCATION: Convernment expenditure in education per student (% of GDP per capita) 1.2 WEALTH: GDP per capita, current dollars (PPPS) 1.3 LABOUR PRODUCTIVITY & R&D INTENSITY 1.3.1 Output per worker (2011 constant GDP PPPS) 1.3.2 Gross expenditure on R&D (% of GDP) 1.3.3 Gross expenditure on R&D (% of GDP) 1.4 INDUSTRIAL BASE 1.4.1 Gross value added of manufacturing (% of GDP) 1.4.2 Patter framilies filed in two offices (per billion PPPS GDP) 2. Social transition 2. Social transition 2. WORK AND INCLUSION 2. Employment rate of the population aged 20-64 (%) 2.2 Employment rate of the population aged 20-64 (%) 2.2.2 Employment rate of the population (%) 2.3 FREE OR NON-REMUNERATED TIME: 7FEE or non-remunerated time (%) 2.4 EQUALITY 2.4.1 Ginc coefficient disposable income post taxes and transfers (%) 2.4.2 Light coefficient disposable income post taxes and transfers (%) 2.4.3 Income share held by the poorest quintile (%) 3. EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3. EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3. ENISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3. ENISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3. ENISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3. ENISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3. ENISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3. ENISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3. ENISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3. ENISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3. ENISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3. ENISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3. ENISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 4. ENISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 4. ENISSIONS REDUCTION: Gross greenho			VALUE	RANK	SCORE	SCORE PROGRESS	
EDUCATION: Government expenditure in education per student (% of GDP per capita) (we full the capita) (% of GDP per capita, current dollars (PPPS)	TRANS	ITIONS PERFORMANCE INDEX		63	45.9	-	
11   1	1.	Economic transition		61	28.9	- /	
1.31 LABOUR PRODUCTIVITY & R&D INTENSITY 1.3.1 Output per worker (2011 constant GDP PPPS) 2.1 18.1.4 66 1.4.1 ↑ 1.3.2 Gross expenditure on R&D (% of GDP) 2.1 INDUSTRIAL BASE 3.3 45.7 ↓ 1.4.1 Gross value added of manufacturing (% of GDP) 3.4.2 Patent families filed in two offices (per billion PPPS GDP) 3.5.7 69 45.6 ↓ 2.2 Social transition 2.1 HEALTH: Healthy life expectancy at birth (years) 3.5 87.7 69 45.6 ↓ 2.2 WORK AND INCLUSION 2.2.1 Employment rate of the population aged 20-64 (%) 3.2 Employment rate of the population aged 20-64 (%) 3.2 Employment rate of the population aged 20-64 (%) 3.2 Early childhood care and education (%) 3.3 FEE OR NON-REMUNERATED TIME: 3.4 EQUALITY 4.4 Gini coefficient disposable income post taxes and transfers (0-100) 4.5 EQUALITY 4.6 (in coefficient disposable income post taxes and transfers (0-100) 4.5 BIODYRESTY 3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (10-100) 3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (10-100) 3.2 Pesticide use per area of cropland (kg/ha) 3.3 REVIRONMENTAL RIGHTS 3.4 EVENTORMENTAL RIGHTS 3.5 ENCORDER PRODUCTIVITY: Resource productivity 4.5 Compose Pre capital 3.6 REMERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 4.1 ENDRAMENTAL RIGHTS 4.1 Voice and accountability index (z-score) 4.2 SECURITY 54 Compose 54 August 55 August 64 Au	1.1	· · · · · · · · · · · · · · · · · · ·	8.6	64	34.4	1	
1.3.1 Output per worker (2011 constant GDP PPPS)	1.2	WEALTH: GDP per capita, current dollars (PPP\$)	8 378.4	68	11.2	<b>↑</b>	
1.3.2 Gross expenditure on R&D (% of GDP)  1.4 INDUSTRIAL BASE  1.4.1 Gross value added of manufacturing (% of GDP)  1.4.2 Patent families filed in two offices (per billion PPPS GDP)  1.4.2 Patent families filed in two offices (per billion PPPS GDP)  2.1 HEALTH: Healthy life expectancy at birth (years)  2.2 WORK AND INCLUSION  2.2.1 Employment rate of the population aged 20-64 (%)  2.2.2 Employment-to-population ratio gender gap 25+ (%)  2.2.3 Early childhood care and education (%)  2.2.3 FREE OR NON-REMINERATED TIME: Free or non-remunerated time (%)  2.4 EQUALITY  2.4 Gini coefficient disposable income post taxes and transfers (0-100)  2.4.2 Income share held by the poorest quintile (%)  3.5 Environmental transition  3.6 ENVIRONERATION: Gross greenhouse gas emissions (10-100)  3.7 EFRESOURCE PRODUCTION: Gross greenhouse gas emissions (17 4 92.9 - 18.1	1.3	LABOUR PRODUCTIVITY & R&D INTENSITY		61	13.0	-	
1.4 INDUSTRIAL BASE  1.4.1 Gross value added of manufacturing (% of GDP)  1.4.2 Patent families filed in two offices (per billion PPPS GDP)  2. Social transition  3. 66	1.3.1	Output per worker (2011 constant GDP PPP\$)	21 181.4	66	14.1	<b>↑</b>	
1.4.1 Gross value added of manufacturing (% of GDP) 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 2. Social transition 2.1 HEALTH: Healthy life expectancy at birth (years) 2.2 WORK AND INCLUSION 2.2 WORK AND INCLUSION 3.7 PREC GD 4.9 ↓ 2.2.2 Employment rate of the population aged 20-64 (%) 2.2.3 Early childhood care and education (%) 2.3 FREE OR NON-REMUNREATED TIME: 2.4.5 FREE OR NON-REMUNREATED TIME: 2.4.6 EQUALITY 2.4.1 (on-100) 2.4.2 Income share held by the poorest quintile (%) 2.4.2 Income share held by the poorest quintile (%) 2.4.3 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tomes per capita) 3. Emistromental transition 3. Emistromental transition 3. Emistrome transition 4. Social transition 4. ENERGY PRODUCTIVITY: Resource productivity (PPPS per ko) 4. ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 4. ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 4. ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 4. SECURITY Homicide rate (per 100,000 inhabitants) 5. Social transition 5. Social transition 6. Social transition 7. Social transition 7. Social transition 8. Social transition 9. Social	1.3.2	Gross expenditure on R&D (% of GDP)	0.6	51	11.9	<b>↓</b>	
1.4.2       Patent families filed in two offices (per billion PPPS GDP)       0.2       43       40.2       ↓         2.       Social transition       70       39.7       ¾         2.1       HEALTH: Healthy life expectancy at birth (years)       58.7       69       45.6       ¼         2.2       WORK AND INCLUSION       72       6.6       ↓         2.2.1       Employment rate of the population aged 20-64 (%)       42.5       69       4.9       ↓         2.2.1       Employment-to-population ratio gender gap 25+ (%)       61.9       71       11.6       ↓         2.2.2       Employment-tare and education (%)       12.6       68       0.0       7         2.3       FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)       28.4       72       24.3       ↓         2.4.1       Gini coefficient disposable income post taxes and transfers (o-100)       37.8       51       60.1       ¾       ↓         2.4.2       Income share held by the poorest quintile (%)       7.7       25       71.3       _       _         3.1       EMISSIONS REDUCTION: Gross greenhouse gas emissions (connex per capital)       17       4       92.9       _         3.1       EMISSIONS REDUCTION: Gross greenhouse gas emissions (connex p	1.4	INDUSTRIAL BASE		38	45.7	<b>V</b>	
2. Social transition 70 39.7 SUN CONTRIBUTED SOCIAL PRODUCTIVITY: Energy productivity (PPPS per ko) 10.8 PM SOCIAL PRODUCTIVITY: Energy productivity (PPPS per ko) 12.6 PM SOCIAL PRODUCTIVITY: Energy productivity (PPPS per ko) 12.6 PM SOCIAL PRODUCTIVITY: Energy productivity (PPPS per ko) 12.6 PM SOCIAL PRODUCTIVITY: Energy productivity (PPPS per ko) 12.6 PM SOCIAL PRODUCTIVITY: Energy productivity (PPPS per ko) 12.6 PM SOCIAL PRODUCTIVITY: Energy productivity (PPPS per ko) 14.0 PM SOCIAL PRODUCTIVITY: Energy productivity (PPPS per ko) 14.0 PM SOCIAL PRODUCTIVITY: Energy productivity (PPPS per ko) 14.0 PM SOCIAL PRODUCTIVITY: Energy productivity (PPPS per ko) 14.0 PM SOCIAL PRODUCTIVITY: Energy productivity (PPPS per ko) 14.0 PM SOCIAL PRODUCTIVITY: Energy productivity (PPPS per ko) 14.0 PM SOCIAL PRODUCTIVITY: Energy productivity (PPPS per ko) 15.1 PM SOCIAL PRODUCTIVITY: Energy productivity (PPPS per ko) 15.1 PM SOCIAL PRODUCTIVITY: Energy productivity (PPPS per ko) 15.1 PM SOCIAL PRODUCTIVITY: Energy productivity (PPPS per ko) 15.1 PM SOCIAL PRODUCTIVITY: Energy productivity (PPPS per ko) 15.1 PM SOCIAL PRODUCTIVITY: Energy productivity (PPPS per ko) 15.1 PM SOCIAL PRODUCTIVITY: Energy productivity (PPPS per ko) 15.1 PM SOCIAL PRODUCTIVITY: Energy productivity (PPPS per ko) 15.1 PM SOCIAL PRODUCTIVITY: Energy productivity (PPPS per ko) 15.1 PM SOCIAL PRODUCTIVITY: Energy productivity (PPPS per ko) 15.1 PM SOCIAL PRODUCTIVITY: Energy productivity (PPPS per ko) 15.1 PM SOCIAL PRODUCTIVITY: Energy productivity (PPPS per ko) 15.1 PM SOCIAL PRODUCTIVITY: Energy productivity (PPPS per ko) 15.1 PM SOCIAL PRODUCTIVITY: Energy productivity (PPPS per ko) 15.1 PM SOCIAL PRODUCTIVITY: Energy productivity (PPPS per ko) 15.1 PM SOCIAL PRODUCTIVITY: Energy productivity (PPPS per ko) 15.1 PM SOCIAL PRODUCTIVITY: Energy productivity (PPPS per ko) 15.1 PM SOCIAL PRODUCTIVITY: Energy productivity (PPPS per ko) 15.1 PM SOCIAL PRODUCTIVITY: Energy productivity (PPPS per ko) 15.1 PM SOCIAL PRODUCTIVITY: Energy productivity (PPPS p	1.4.1	Gross value added of manufacturing (% of GDP)	14.8	27	49.4	<b>↓</b>	
2.1 HEALTH: Healthy life expectancy at birth (years)  2.2 WORK AND INCLUSION  2.2.1 Employment rate of the population aged 20-64 (%)  2.2.2 Employment-to-population ratio gender gap 25+ (%)  2.2.3 Early childhood care and education (%)  2.3 FREE OR NON-REMUNEATED TIME: Free or non-remunerated time (%)  2.4 EQUALITY  2.4.1 (0-100)  2.4.2 Income share held by the poorest quintile (%)  2.4.2 Income share held by the poorest quintile (%)  2.5 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tones per capita)  3.1 Emiroremental transition  3.2 BIODIVERSITY  3.2 BIODIVERSITY  3.3 ESSURCE PRODUCTIVITY: Resource productivity (PPPS per koe)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  3.5 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  3.6 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  3.7 EVENT AND A STANDAMENTAL RIGHTS  4.8 Governance transition  4.1 Voice and accountability index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  3.3 TRANSPARENCY  4.4 Source for the population aged 20-64 (%)  4.5 Corruption perceptions index (0-100)  4.6 Sab and the more production index (0-100)  4.7 2 56  4.7 11.6  4.7 2 4.3  4.5 4.5 4.5  4.6 Corruption perceptions index (0-100)  4.1 4.0 49  4.1 4.0 49  4.1 4.0 49  4.1 4.0 49  4.1 4.0 49  4.1 4.0 49  4.1 4.0 49  4.1 4.0 49  4.1 4.0 49  4.1 4.1 40  4.1 40  4.1 40  4.1 40  4.1 40  4.1 40  4.1 40  4.2 50  4.3 1 Corruption perceptions index (0-100)  4.3 2 Basel anti-money laundering index (0-100)  4.3 2 Basel anti-money laundering index (0-100)	1.4.2	Patent families filed in two offices (per billion PPP\$ GDP)	0.2	43	40.2	<b>V</b>	
2.2 WORK AND INCLUSION  2.2.1 Employment rate of the population aged 20-64 (%)  2.2.2 Employment-to-population ratio gender gap 25+ (%)  2.2.3 Early childhood care and education (%)  2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  2.4 EQUALITY  2.4.1 Gini coefficient disposable income post taxes and transfers (0-100)  2.4.2 Income share held by the poorest quintile (%)  3.1 Emironmental transition  3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3.2 BIODIVERSITY  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.2.3 Pesticide use per area of cropland (kg/ha)  3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per kog)  3.4 ENERGY PRODUCTIVITY: Renource productivity (PPPS per kog)  3.5 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  4.1 FUNDAMENTAL RIGHTS  4.1 FUNDAMENTAL RIGHTS  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  3.3 TRANSPARENCY  4.3 TRANSPARENCY  4.4 Corruption perceptions index (0-100)  4.5 Sa data thi-money laundering index (0-100)  4.6 Sa data  4.7 2 24.3  4.7 24.3  4.1 FUNDAMENTAL RIGHTS  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  3.1 57 61.1  4.3 TRANSPARENCY  4.3 58.2  4.4 4.4 65.1  4.4 66.1  4.5 1.5 1.5 5.7  4.6 6.6 68  0.0 0.7  4.7 25.7  4.1 FUNDAMENTAL RIGHTS  4.1 FUNDAMENTAL RIGHTS  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  5.4 4.8  4.6 5.1  5.7 6.1.  5.7 6.1.  5.7 6.1.  5.8 6.0  5.8 53 44.0  5.9 41.0  5.0 41.0  5.0 41.0  5.0 41.0  5.0 41.0  5.0 5.	2.	Social transition		70	39.7	7	
2.2.1 Employment rate of the population aged 20-64 (%)  2.2.2 Employment-to-population ratio gender gap 25+ (%)  2.2.3 Early childhood care and education (%)  2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  2.4 EQUALITY  2.4.1 Gini coefficient disposable income post taxes and transfers (0-100)  2.4.2 Income share held by the poorest quintile (%)  3.1 Environmental transition  3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3.2 BIODIVERSITY  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per koe)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  3.5 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  4.1 FUNDAMENTAL RIGHTS  4.1 FUNDAMENTAL RIGHTS  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  3.3 TRANSPARENCY  4.3 TRANSPARENCY  4.4 Sesel anti-money laundering index (0-100)  4.5 Basel anti-money laundering index (0-100)  5.6 S.5 44.0	2.1	HEALTH: Healthy life expectancy at birth (years)	58.7	69	45.6	7	
2.2.2 Employment-to-population ratio gender gap 25+ (%) 2.3 Early childhood care and education (%) 2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%) 2.4 EQUALITY 2.4.1 Gini coefficient disposable income post taxes and transfers (0-100) 2.4.2 Income share held by the poorest quintile (%) 2.4.1 Emilsolon SEDUCTION: Gross greenhouse gas emissions (10-100) 2.4.2 Income share held by the poorest quintile (%) 3. Environmental transition 3. Emilsolon SEDUCTION: Gross greenhouse gas emissions (17 d 92.9 c) 3. Emissions REDUCTION: Gross greenhouse gas emissions (17 d 92.9 c) 3. Emissions REDUCTIVITY: Broad (RBAs) protected (%) 3. Emissions REDUCTIVITY: Resource productivity (%) 3. RESOURCE PRODUCTIVITY: Resource productivity (%) 3. RESOURCE PRODUCTIVITY: Resource productivity (%) 3. RESOURCE PRODUCTIVITY: Energy productivity (PPPS per koe) 4. Governance transition 4. FUNDAMENTAL RIGHTS 4. FUNDAMENTAL RIGHTS 4. Rule of law index (z-score) 4. Rule of law index (z-score) 4. SECURITY: Homicide rate (per 100,000 inhabitants) 3. TRANSPARENCY 4. SECURITY: Homicide rate (per 100,000 inhabitants) 3. TRANSPARENCY 5. SECURITY: Homicide rate (per 100,000 inhabitants) 5. TANSPARENCY 5. SECURITY: Homicide rate (per 100,000 inhabitants) 5. TANSPARENCY 5. SECURITY: Homicide rate (per 100,000 inhabitants) 5. TANSPARENCY 5. SECURITY: Homicide rate (per 100,000 inhabitants) 5. TANSPARENCY 5. SECURITY: Homicide rate (per 100,000 inhabitants) 5. TANSPARENCY 5. SECURITY: Homicide rate (per 100,000 inhabitants) 5. TANSPARENCY 5. SECURITY: Homicide rate (per 100,000 inhabitants) 5. TANSPARENCY 5. SECURITY: Homicide rate (per 100,000 inhabitants) 5. TANSPARENCY 5. SECURITY: Homicide rate (per 100,000 inhabitants) 5. TANSPARENCY 5. SECURITY: Homicide rate (per 100,000 inhabitants) 5. TANSPARENCY 5. SECURITY: Homicide rate (per 100,000 inhabitants) 5. TANSPARENCY 5. SECURITY: Homicide rate (per 100,000 inhabitants) 5. TANSPARENCY 5. SECURITY: Homicide rate (per 100,000 inhabitants) 5. TANSPARENCY 5. SECURITY: Homicide rate (per 1	2.2	WORK AND INCLUSION		72	6.6	<b>\</b>	
2.2.3 Early childhood care and education (%) 12.6 68 0.0 7  2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%) 24.4 EQUALITY 44 63.1 Y 44 63.1 Y 45.1 Gini coefficient disposable income post taxes and transfers (0-100) 7.7 25 71.3 - 7.7 25 71.3 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	2.2.1	Employment rate of the population aged 20-64 (%)	42.5	69	4.9	<b>V</b>	
2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%) 2.4 EQUALITY 4.4 63.1 Y 2.4.1 Gini coefficient disposable income post taxes and transfers 2.4.2 Income share held by the poorest quintile (%) 2.4.2 Income share held by the poorest quintile (%) 2.4.2 Income share held by the poorest quintile (%) 3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3.2 BIODIVERSITY 5.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.2.3 Pesticide use per area of cropland (kg/ha) 3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per kg) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 4.6 Governance transition 4.7 Governance transition 4.8 Governance transition 4.9 SECURITY: Homicide rate (per 100,000 inhabitants) 4.1 FUNDAMENTAL RIGHTS 4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 4.3 TRANSPARENCY 5.4 SECURITY: Homicide rate (per 100,000 inhabitants) 5.5 SECURITY: Homicide rate (per 100,000 inhabitants) 5.6 SS 44.0 Y 5.7 Carriaging or remainder (0-100) 5.6 SS 44.0 Y	2.2.2	Employment-to-population ratio gender gap 25+ (%)	61.9	71	11.6	<b>V</b>	
Free or non-remunerated time (%)  24 EQUALITY  44 63.1	2.2.3	Early childhood care and education (%)	12.6	68	0.0	<b>7</b>	
2.4 EQUALITY 2.4.1 Gini coefficient disposable income post taxes and transfers (0-100) 2.4.2 Income share held by the poorest quintile (%) 2.4.2 Income share held by the poorest quintile (%) 3.5 Environmental transition 3.6 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3.7 4 92.9 3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3.2 BIODIVERSITY 60 35.9 3.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.2.3 Pesticide use per area of cropland (kg/ha) 3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per kg) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 4.1 FUNDAMENTAL RIGHTS 4.3 57.9 4.1 FUNDAMENTAL RIGHTS 4.3 57.9 4.1.1 Voice and accountability index (z-score) 4.1 Sule of law index (z-score) 4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 3.1 57 61.1 7 4.3 TRANSPARENCY 5.2 42.8 4.3.1 Corruption perceptions index (0-100) 4.1.0 4.9 41.0 4.3.2 Basel anti-money laundering index (0-101) 5.6 5.3 44.0	23		28.4	72	243	<b>J</b>	
2.4.1 Gini coefficient disposable income post taxes and transfers (0-100) 37.8 51 60.4 2.4.2 Income share held by the poorest quintile (%) 7.7 25 71.3 - 3.5 Environmental transition 43 52.1 7 92.9 - 3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 5.2 BIODIVERSITY 60 35.9 - 5.2 Ereshwater key biodiversity areas (KBAs) protected (%) 25.7 60 25.7 ↑ 5.2 Freshwater key biodiversity areas (KBAs) protected (%) 15.1 63 15.1 - 5.2 Freshwater key biodiversity areas (KBAs) protected (%) 15.1 63 15.1 - 5.3 2.3 Pesticide use per area of cropland (kg/ha) 0.3 8 97.8 2 5.5 ↑ 5.3 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per kg) 10.8 43 54.1 ↑ 5.5 53 25.5 ↑ 6.1 1 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			20. 1			,	
2.4.1 (0-100) 2.4.2 Income share held by the poorest quintile (%)  3. Environmental transition  3. EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3.2 BIODIVERSITY  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.2.3 Pesticide use per area of cropland (kg/ha)  3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)  4. Governance transition  5.1 55.7  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  3.3 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  4.4.0 49  4.1.0 ↑  4.3.2 Basel anti-money laundering index (0-100)  5.6 5.3 44.0	2.4			44	63.1	7	
3. Environmental transition  3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3.2 BIODIVERSITY  3.2. Terrestrial key biodiversity areas (KBAs) protected (%)  3.2. Freshwater key biodiversity areas (KBAs) protected (%)  3.2.1 Fershwater key biodiversity areas (KBAs) protected (%)  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.2.3 Pesticide use per area of cropland (kg/ha)  3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)  4.1 FUNDAMENTAL RIGHTS  4.3 TOURDAMENTAL RIGHTS  4.1 Voice and accountability index (z-score)  4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.3 TRANSPARENCY  4.3 TRANSPARENCY  5.1 STANSPARENCY  5.2 42.8  5.3 44.0  4.4 4.0 4.0 4.9  4.1.0 ↑  4.3 Basel anti-money laundering index (0-100)  5.6 5.3 44.0	2.4.1		37.8	51	60.4	л	
3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3.2 BIODIVERSITY  50 35.9 -  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.2.3 Pesticide use per area of cropland (kg/ha)  3.2 RESOURCE PRODUCTIVITY: Resource productivity (PPPŞ per kg)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPŞ per koe)  4. Governance transition  51 55.7 -  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  3.1 FOR ALL PROPUCTIVITY: Homicide rate (per 100,000 inhabitants)  3.1 TRANSPARENCY  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  3.3 TRANSPARENCY  4.3 TRANSPARENCY  52 42.8 -  4.3.1 Corruption perceptions index (0-100)  55 53 44.0	2.4.2	Income share held by the poorest quintile (%)	7.7	25	71.3	_	
1.7 4 92.9 −  3.2 BIODIVERSITY 60 35.9 −  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 25.7 60 25.7 ↑  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 15.1 63 15.1 −  3.2.3 Pesticide use per area of cropland (kg/ha) 0.3 8 97.8   3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg) 1.5 53 25.5 ↑  4.1 FUNDAMENTAL RIGHTS 43 57.9 −  4.1.1 Voice and accountability index (z-score) 0.4 41 64.8 №  4.1.2 Rule of law index (z-score) 0.0 46 51.0 −  4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 3.1 57 61.1 7  4.3 TRANSPARENCY 52 42.8 −  4.3.1 Corruption perceptions index (0-100) 41.0 49 41.0 ↑  4.3.2 Basel anti-money laundering index (0-10) 5.6 53 44.0 №	<b>3</b> .	Environmental transition		43	52.1	7	
3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.2.3 Pesticide use per area of cropland (kg/ha) 3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe) 4. Governance transition 51 55.7 4.1 FUNDAMENTAL RIGHTS 4.1.1 Voice and accountability index (z-score) 4.1.2 Rule of law index (z-score) 4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 3.1 57 61.1 7 4.3 TRANSPARENCY 52 42.8 - 4.3.1 Corruption perceptions index (0-100) 4.3.2 Basel anti-money laundering index (0-10) 5.6 53 44.0	3.1		1.7	4	92.9	_	
3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.2.3 Pesticide use per area of cropland (kg/ha)  3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)  4. Governance transition  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  3.1 57 61.1  4.3 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  4.3.2 Basel anti-money laundering index (0-10)  5.6 53 44.0	3.2	BIODIVERSITY		60	35.9	-	
3.2.3 Pesticide use per area of cropland (kg/ha)  3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)  4. Governance transition  51 55.7  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  3.1 57 61.1  4.3 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  4.3.2 Basel anti-money laundering index (0-10)  5.6 53 44.0	3.2.1	Terrestrial key biodiversity areas (KBAs) protected (%)	25.7	60	25.7	<b>↑</b> _	
3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)  4. Governance transition  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  3.1 57 61.1    4.3 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  4.3.2 Basel anti-money laundering index (0-10)  5.6 53 44.0     1.5 53 25.5 ↑  1.6 1.5 ↑  1.7 1.7 1.8 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9	3.2.2	Freshwater key biodiversity areas (KBAs) protected (%)	15.1	63	15.1		
3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)  4. Governance transition  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  4.3.2 Basel anti-money laundering index (0-10)  5.5 S3  5.5 T  6.1.1 T  6.1.2 T  6.1.3 T  6.1.3 T  6.1.4 T  6.1.4 T  6.1.5 S5  6.1.5 T  6.1.7 T  6.1.8 T  6.1.9 T  6.1.1	3.2.3	Pesticide use per area of cropland (kg/ha)	0.3	8	97.8	7	
4.1 FUNDAMENTAL RIGHTS 4.1 Voice and accountability index (z-score) 4.1.2 Rule of law index (z-score) 4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 4.3 TRANSPARENCY 52 42.8 − 4.3.1 Corruption perceptions index (0-100) 4.3.2 Basel anti-money laundering index (0-10) 5.6 53 44.0	3.3		1.5	53	25.5	<b>↑</b>	
4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  52 42.8 −  4.3.1 Corruption perceptions index (0-100)  4.3.2 Basel anti-money laundering index (0-10)  5.6 53 44.0	3.4	ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)	10.8	43	54.1	<b>↑</b>	
4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  6.0 46 51.0 -  7 4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  7 52 42.8 -  7 4.3.1 Corruption perceptions index (0-100)  7 41.0 49 41.0 ↑  8 43.2 Basel anti-money laundering index (0-10)	4.	Governance transition		51	55.7	-	
4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  52 42.8 −  4.3.1 Corruption perceptions index (0-100)  41.0 49 41.0 ↑  4.3.2 Basel anti-money laundering index (0-10)  5.6 53 44.0	4.1	FUNDAMENTAL RIGHTS		43	57.9	- \	
4.2       SECURITY: Homicide rate (per 100,000 inhabitants)       3.1       57       61.1       ∧         4.3       TRANSPARENCY       52       42.8       −         4.3.1       Corruption perceptions index (0-100)       41.0       49       41.0       ↑         4.3.2       Basel anti-money laundering index (0-10)       5.6       53       44.0       ¥	4.1.1	Voice and accountability index (z-score)	0.4	41	64.8	7	
4.3       TRANSPARENCY       52       42.8       -         4.3.1       Corruption perceptions index (0-100)       41.0       49       41.0       ↑         4.3.2       Basel anti-money laundering index (0-10)       5.6       53       44.0       ¥	4.1.2	Rule of law index (z-score)	0.0	46	51.0	-	
4.3.1 Corruption perceptions index (0-100) 41.0 49 41.0 ↑ 4.3.2 Basel anti-money laundering index (0-10) 5.6 53 44.0	4.2	SECURITY: Homicide rate (per 100,000 inhabitants)	3.1	57	61.1	7	
4.3.2 Basel anti-money laundering index (0-10)  5.6 53 44.0	4.3	TRANSPARENCY		52	42.8		
	4.3.1	Corruption perceptions index (0-100)	41.0	49	41.0	<b>↑</b>	
4.4 SOUND PUBLIC FINANCES: Government gross debt (% of GDP) 69.0 51 71.6	4.3.2	Basel anti-money laundering index (0-10)	5.6	53	44.0	<u>v</u> <u>v</u>	
3.5 3.7	4.4	SOUND PUBLIC FINANCES: Government gross debt (% of GDP)	69.0	51	71.6	<u>у</u> //	

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

Note: Progress lines use automatic scaling.

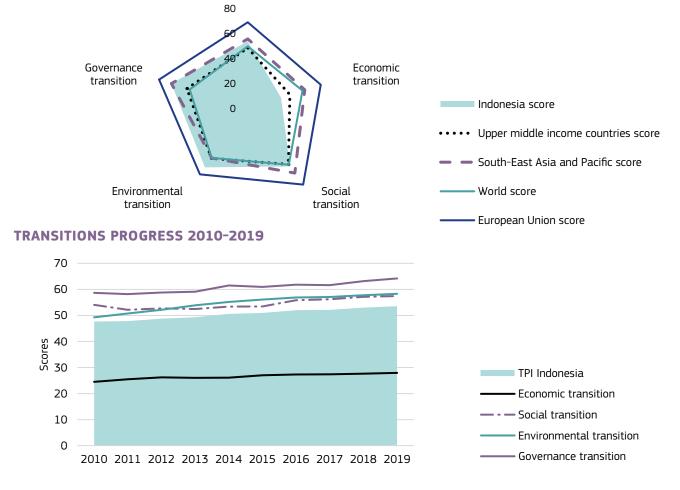


INDONESIA			
POPULATION (million inhabitants)	267.0	GDP PER CAPITA (current PPP\$)	13 998.2
GROSS DOMESTIC PRODUCT (GDP) (billion PPP\$)	3 737.5	TRADE (% of GDP)	37.3

2019	TDI	TPI TRANSITIONS				
2019	IPI	ECONOMIC	SOCIAL	ENVIRONMENTAL	GOVERNANCE	
Indonesia ranks	44	64	54	30	39	
Indonesia score	53.5	28.0	57.5	58.3	64.2	
World weighted average score	49.7	46.1	55.8	48.9	48.8	
Upper middle income countries score	48.2	35.4	55.4	49.4	51.2	
South-East Asia and Pacific score	55.6	47.9	64.0	49.0	64.1	
European Union score	68.8	61.4	75.4	65.2	74.5	

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

Transitions Performance Index





TRANSITIONS PERFORMANCE INDEX	INDONESIA		2	2019		2010-2019		
Economic transition   64   28.0   ↑			VALUE	RANK	SCORE	SCORE PROGRES	SS	
EDUCATION: Government expenditure in education per student	TRANS	ITIONS PERFORMANCE INDEX		44	53.5	7		
11. (% of GDP per capita, current dollars (PPPS) 12. WEALTH: GDP per capita, current dollars (PPPS) 13. LABOUR PRODUCTIVITY & R&D INTENSITY 13.1 Output per worker (2011 constant GDP PPPS) 13.2 Gross expenditure on R&D (% of GDP) 13.3 65 5 33 ↑ 1.4 INDUSTRIAL BASE 1.4 INDUSTRIAL BASE 1.4 INDUSTRIAL BASE 1.4 INDUSTRIAL BASE 1.5 Social transition 1.6 Social transition 1.7 Social transition 1.8 Social transition 1.9 WEALTH: Healthy life expectancy at birth (years) 1.0 WORK AND INCLUSION 1.0 Employment rate of the population aged 20-64 (%) 1.1 HEALTH: Healthy life expectancy at birth (years) 1.2 Employment rate of the population aged 20-64 (%) 1.2 Employment rate of the population aged 20-64 (%) 1.0 Employment rate of the population aged 20-64 (%) 1.1 FREE OR NON-REMUNERATED TIME: 1.2 FREE OR NON-REMUNERATED TIME: 1.3 FREE OR NON-REMUNERATED TIME: 1.4 EQUALITY 1.5 Gini coefficient disposable income post taxes and transfers (0-100) 1.4 EQUALITY 1.5 Gini coefficient disposable income post taxes and transfers (0-100) 1.4 EUGLALITY 1.5 Environmental transition 1.5 Environmental transition 1.5 Environmental transition 1.5 Environmental key biodiversity areas (KBAs) protected (%) 1.5 Environmental key biodiversity areas (KBAs) protected (%) 1.5 Environmental key biodiversity areas (KBAs) protected (%) 1.5 Persenwater key biodiversity areas (KBAs) protected (%) 1.6 Persenwater key biodiversity areas (KBAs) protected (%) 1.7 Persenwater key biodiversity areas (KBAs) protected (%) 1.8 Persenwater key biodiversity areas (KBAs) protected (%) 1.9 Persenwater key biodiversity areas (KBAs) protected (%) 1.1 FUNDAMENTAL RIGHTS 1.1 FUNDAMENTAL RIGHTS 1.2 Persenwater key biodiversity areas (KBAs) protected (%) 1.3 RESOURCE PRODUCTIVITY: Energy productivity (PPPS per ko) 1.4 Persenwater key biodiv	1.	Economic transition		64	28.0	<b>↑</b>		
1.3 LABOUR PRODUCTIVITY & R&D INTENSITY 1.3.1 Output per worker (2011 constant GDP PPPS) 2.5 411.6 64 16.9 ↑ 1.3.2 Gross expenditure on R&D (% of GDP) 3.3 65 5.3 ↑ 1.4 INDUSTRIAL BASE 4.4 40.1 ↓ 1.6 (2.5 × 1.4	1.1		8.3	65	33.3	1		
1.3.1 Output per worker (2011 constant GDP PPPS) 1.3.2 Gross expenditure on R&D (% of GDP) 1.3.3 Gross expenditure on R&D (% of GDP) 1.3.4 INDUSTRIAL BASE 1.4 INDUSTRIAL BASE 1.4 INDUSTRIAL BASE 1.4.1 Gross value added of manufacturing (% of GDP) 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 1.5 Social transition 1.6 Social transition 1.7 Social transition 1.7 Social transition 1.8 Find Find Find Find Find Find Find Find	1.2	WEALTH: GDP per capita, current dollars (PPP\$)	13 998.2	59	18.7	<b>^</b>		
1.3.2 Gross expenditure on R&D (% of GDP)  1.4 INDUSTRIAL BASE  1.4.1 Gross value added of manufacturing (% of GDP)  1.4.2 Patent families filed in two offices (per billion PPPS GDP)  2.2 Social transition  2.1 HEALTH: Healthy life expectancy at birth (years)  2.2 WORK AND INCLUSION  2.2.1 Employment rate of the population aged 20-64 (%)  2.2.2 Employment-to-population aged 20-64 (%)  2.2.3 Early childhood care and education (%)  2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  2.4 EQUALITY  2.5 Eavi conficient disposable income post taxes and transfers (0-100)  2.4 EQUALITY  2.5 Environmental transition  3.1 Connes share held by the poorest quintile (%)  3.1 Emissions REDUCTION: Gross greenhouse gas emissions (0-100)  3.1 Emissions REDUCTION: Gross greenhouse gas emissions (0-100)  3.2 Pesticide use per area of cropland (kg/ha)  3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per ko)  3.4 ENERGY PRODUCTIVITY: Resource productivity (PPPS per koe)  4.1 FUNDAMENTAL RIGHTS  4.2 ROURD ARM STAN SPARENCY  4.3 RANSPARENCY  4.4 SECURITY: Homicide rate (per 100,000 inhabitants)  4.5 REALTH ARM SPARENCY  4.6 SCOURCE (PRODUCTIVITY: Homicale rate (per 100,000 inhabitants)  4.7 RANSPARENCY  4.8 SECURITY: Homicide rate (per 100,000 inhabitants)  4.5 REALTH ARM SPARENCY  4.6 SECURITY: Homicide rate (per 100,000 inhabitants)  4.7 ARM SPARENCY  4.8 Basel anti-money laundering index (0-100)  3.8 Basel anti-money laundering index (0-100)  4.5 Courter in money laundering index (0-100)  4.6 Courter in money laundering index (0-100)  4.7 ARM SPARENCY	1.3	LABOUR PRODUCTIVITY & R&D INTENSITY		65	11.1	<b>↑</b>		
1.4 INDUSTRIAL BASE 1.4.1 Gross value added of manufacturing (% of GDP) 1.4.2 Patent familities filed in two offices (per billion PPPS GDP) 2. Social transition 2.1 HEALTH: Healthy life expectancy at birth (years) 2.2 WORK AND INCLUSION 3.4 58.5 ↑ 2.2.1 Employment rate of the population aged 20-64 (%) 3.2.2 Employment rate of the population aged 20-64 (%) 3.2.3 Early childhood care and education (%) 3.4 88.8 49 48.0 ↑ 3.5 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%) 3.4 EQUALITY 3.5 Isonic Coefficient disposable income post taxes and transfers (0-100) 3.1 Commental transition 3.1 Emission's REDUCTION: Gross greenhouse gas emissions (tonnes per capital) 3.2 BIODIVERSITY 3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per ko) 3.4 ENERGY PRODUCTIVITY: Resource productivity (PPPS per koe) 4.5 ENERGY PRODUCTIVITY: Resource productivity (PPPS per koe) 4.6 Governance transition 4.7 EVENDAMENTAL RIGHTS 4.9 47.4 ↑ 4.1 Voice and accountability index (z-score) 4.1 RANSPARENCY 4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 4.3 TRANSPARENCY 4.4 9 40.4 ↑ 4.5 Corruption perceptions index (0-100) 4.5 Basel anti-money laundering index (0-100) 5.1 47 48.7 ↑	1.3.1	Output per worker (2011 constant GDP PPP\$)	25 411.6	64	16.9	<b>^</b>		
1.4.1 Gross value added of manufacturing (% of GDP) 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 1.4.2 Social transition 1.4.3 HEALTH: Healthy life expectancy at birth (years) 1.4.4 EALTH: Healthy life expectancy at birth (years) 1.4.5 HEALTH: Healthy life expectancy at birth (years) 1.4.6 Earth (%) 1.4.7 Septimized (%) 1.4.7 Septimized (%) 1.4.8 Septimized (%) 1.4.9 Septimized (%) 1.4.1 Gini coefficient disposable income post taxes and transfers (%) 1.4.1 Gini coefficient disposable income post taxes and transfers (%) 1.4.1 Gini coefficient disposable income post taxes and transfers (%) 1.4.1 Gini coefficient disposable income post taxes and transfers (%) 1.4.1 Gini coefficient disposable income post taxes and transfers (%) 1.4.2 Income share held by the poorest quintile (%) 1.4.3 EMISSIONS REDUCTION: Gross greenhouse gas emissions (%) 1.4.1 Corruption (%) 1.4.2 Septimized (%) 1.4.3 Taxassidate (%) 1.4.4 Septimized (%) 1.4.4 Septimized (%) 1.4.5 Septimized (%) 1.4.5 Septimized (%) 1.4.6 Governance transition 1.4.7 Septimized (%) 1.4.7 Septimized (%) 1.4.8 Septimized (%) 1.4.8 Septimized (%) 1.4.9 Septimized (%) 1.4.1 Voice and accountability index (2-score) 1.4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 1.4.3 Taxasspace (%) 1.4.3 Taxasspace (%) 1.4.4 Septimized (%) 1.4.5 Septimized (%) 1.4.6 Septimized (%) 1.4.7 Septimized (%) 1.4.8 Septimized (%) 1.4.8 Septimized (%) 1.4.4 Septimized (%) 1.4.4 Septimized (%) 1.4.4 Septimized (%) 1.4.5 Septimized (%) 1.4.5 Septimized (%) 1.4.6 Septimized (%) 1.4.7 Septimized (%) 1.4.7 Septimized (%) 1.4.8 Septimized (%) 1.4.8 Septimized (%) 1.4.9 Septimized (%) 1.4.1 Voice and accountability index (2-score) 1.4.2 Septimized (%) 1.4.3 Taxasspace (%) 1.4.4 Septimized (%) 1.4.5	1.3.2	Gross expenditure on R&D (% of GDP)	0.3	65	5.3	<b>↑</b>		
1.42       Patent families filed in two offices (per billion PPPS GDP)       0.0       72       0.9       ↓         2.       Social transition       54       57.5       -         2.1       HEALTH: Healthy life expectancy at birth (years)       60.4       64       51.4       7.1         2.2       WORK AND INCLUSION       47       58.5       ↑         2.2.1       Employment rate of the population aged 20-64 (%)       73.4       32       66.9       7         2.2.2       Employment rate of the population aged 20-64 (%)       48.8       49       48.0       ↑         2.2.2       Employment rate of the population aged 20-64 (%)       48.8       49       48.0       ↑         2.2.2       Employment rate of the population aged 20-64 (%)       31.2       61       55.4       7         2.2.2       Employment rate of the population aged 20-64 (%)       48.8       49       48.0       ↑         2.2.2       Employment rate of the population aged 20-64 (%)       48.8       49       48.0       ↑         2.2.1       Gin Commental transition       39.0       53       58.8       ¥         3.1       Employment rate of the population aged 20-64 (%)       35.4       11       85.9       ¥	1.4	INDUSTRIAL BASE		48	40.1	<b>V</b>	_	
2.       Social transition       54       57.5       -         2.1       HEALTH: Healthy life expectancy at birth (years)       60.4       64       51.4       A         2.2       WORK AND INCLUSION       47       58.5       ↑         2.2.1       Employment-to-population ratio gender gap 25+ (%)       31.2       61       55.4       A         2.2.2       Employment-to-population ratio gender gap 25+ (%)       31.2       61       55.4       A         2.2.3       Early childhood care and education (%)       48.8       49       48.0       ↑         2.3       FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)       52       58.0       A         2.4       EQUALITY       52       58.0       A         2.4.1       Gini coefficient disposable income post taxes and transfers (0-100)       53       57.8       A         2.4.1       Gini coefficient disposable income post taxes and transfers (0-100)       50       58.8       A         3.1       EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)       3.4       11       85.9       A         3.2       BIODIVERSITY       47       43.9       ↑         3.2.1       Terrestrial key biodiversity areas (KBAs) protected (%)	1.4.1	Gross value added of manufacturing (% of GDP)	19.9	11	66.2	<u>V</u>	_	
2.1 HEALTH: Healthy life expectancy at birth (years) 2.2 WORK AND INCLUSION  2.2.1 Employment rate of the population aged 20-64 (%)  2.2.2 Employment-to-population ratio gender gap 25+ (%)  2.2.2 Employment-to-population ratio gender gap 25+ (%)  2.2.3 Early childhood care and education (%)  48.8 49 48.0 ↑  FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  2.4 EQUALITY  5.5 58.0 ¥  2.4.1 (Gini coefficient disposable income post taxes and transfers (0-100)  2.4.2 Income share held by the poorest quintile (%)  5. Environmental transition  5. Environmental transition  3.1 (EMISSIONS REDUCTION: Gross greenhouse gas emissions (10-100)  3.2 BIODIVERSITY  3.3 BIODIVERSITY  3.4 11 85.9 ¥  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.2.3 Pesticide use per area of cropland (kg/ha)  3.4 ENERGY PRODUCTIVITY: Resource productivity  4.7 43.9 ↑  3.8 FESOURCE PRODUCTIVITY: Energy productivity (PPPS per koe)  4.1 FUNDAMENTAL RIGHTS  4.1 FUNDAMENTAL RIGHTS  4.2 Governance transition  4.3 TRANSPARENCY  4.4 900 -  4.3 TRANSPARENCY  4.5 48.7 ← 48.7 ←  4.6 48.7 ← 48.7 ←  4.7 ←  4.8 FREE OR NON-REMUNE and subtraction index (0-100)  3.8 Basel anti-money laundering index (0-100)  3.8 Basel anti-money laundering index (0-100)  3.8 Cash State (1-10)  4.7 48.7 ←  4.8 FREE OR NON-REMUNEATED TIME:  5. FREE OR NON-REMUNEATED TIME:  4.7 43.9 ←  4.8 FREE OR NON-REMUNEATED TIME:  4.9 47.4 ←  4.1 FUNDAMENTAL RIGHTS  4.1 Voice and accountability index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.4 900 ←  4.3 TRANSPARENCY  4.5 48.7 ←  4.6 48.7 ←  4.7 48.7 ←  4.7 48.7 ←  4.8 51.1 ←  4.9 44.4 ←  4.9 44.4 ←  4.3 TRANSPARENCY  4.9 44.4 ←  4.1 48.7 ←  4.1 48.7 ←  4.1 48.7 ←  4.1 48.7 ←  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  5. 5. 5. 6.0 ¥ 6.0 ¥ 6.0 ¥ 6.0 ¥ 6.0 ¥ 6.0 ¥ 6.0 ¥ 6.0 ¥ 6.0 ¥ 6.0 ¥ 6.0 ¥ 6.0 ¥ 6.0 ¥ 6.0 ¥ 6.0 ¥ 6.0 ¥ 6.0 ¥ 6.0 ¥ 6.0 ¥	1.4.2	Patent families filed in two offices (per billion PPP\$ GDP)	0.0	72	0.9	<b>\</b>	_	
2.2 WORK AND INCLUSION  2.2.1 Employment rate of the population aged 20-64 (%)  2.2.2 Employment-to-population ratio gender gap 25+ (%)  2.2.3 Early childhood care and education (%)  48.8 49 48.0 ↑  FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  2.4 EQUALITY  2.5 Free or non-remunerated time (%)  2.4.1 Gini coefficient disposable income post taxes and transfers (39.0 53 57.8 以  2.4.2 Income share held by the poorest quintile (%)  5. Environmental transition  30 58.3 ↑  3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (3.2 BIODIVERSITY  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.2.3 Pesticide use per area of cropland (kg/ha)  3.0 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per kg)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  4.1 FUNDAMENTAL RIGHTS  4.1 Voice and accountability index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.4 18 74.8 ↑  4.5 Overnance transition  3.7 48.7 ↑  4.7 48.7 ↑  4.8 66.9 7.  4.9 44.4 ↑  4.1 Corruption perceptions index (0-100)  3.8 Basel anti-money laundering index (0-100)  3.1 Corruption perceptions index (0-100)  3.2 Basel anti-money laundering index (0-100)  3.3 General Security (PPS 1.1 4.7 48.7 ↑	2.	Social transition		54	57.5			
2.2.1 Employment rate of the population aged 20-64 (%) 2.2.2 Employment-to-population ratio gender gap 25+ (%) 3.1.2 61 55.4 7  2.2.3 Early childhood care and education (%) 48.8 49 48.0 ↑  2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%) 2.4 EQUALITY 2.4.1 Gini coefficient disposable income post taxes and transfers (0-100) 2.4.2 Income share held by the poorest quintile (%) 3.5 Environmental transition 3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3.2 BIODIVERSITY 3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.2.3 Pesticide use per area of cropland (kg/ha) 3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per koe) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 4.1 FUNDAMENTAL RIGHTS 4.1 Voice and accountability index (z-score) 4.1 Rele of law index (z-score) 4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 4.3 TRANSPARENCY 4.4 SECURITY: Homicide rate (per 100,000 inhabitants) 4.5 Laving and accountability index (0-100) 3.7 Laving and accountability index (0-100) 3.8 Basel anti-money laundering index (0-100) 3.8 Basel anti-money laundering index (0-100) 3.9 Laving and accountability index (0-100) 3.1 Corruption perceptions index (0-100) 3.2 Basel anti-money laundering index (0-100) 3.5 Laving and accountability index (0-100) 3.6 Laving and accountability index (0-100) 3.7 Laving and accountability index (0-100) 3.8 Laving and accountability index	2.1	HEALTH: Healthy life expectancy at birth (years)	60.4	64	51.4	7		
2.2.2 Employment-to-population ratio gender gap 25+ (%) 2.2.3 Early childhood care and education (%) 48.8 49 48.0 ↑  2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%) 2.4 EQUALITY 2.4.1 Gini coefficient disposable income post taxes and transfers (0-100) 2.4.2 Income share held by the poorest quintile (%) 3.1 Emissions REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3.2 BIODIVERSITY 3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.3 Pesticide use per area of cropland (kg/ha) 3.4 ENESOURCE PRODUCTIVITY: Resource productivity (PPPS per ko) 3.5 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 4.1 FUNDAMENTAL RIGHTS 4.1 Voice and accountability index (z-score) 4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 4.3 TRANSPARENCY 4.3 Basel anti-money laundering index (0-100) 4.3 Basel anti-money laundering index (0-100) 5.1 47 48.7	2.2	WORK AND INCLUSION		47	58.5	<b>↑</b>		
2.2.3 Early childhood care and education (%)  2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  2.4 EQUALITY  2.5 58.0	2.2.1	Employment rate of the population aged 20-64 (%)	73.4	32	66.9	7		
2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%) 2.4 EQUALITY 2.5 58.0 Y  2.4.1 Gini coefficient disposable income post taxes and transfers (0-100) 2.4.2 Income share held by the poorest quintile (%) 3. Environmental transition 3. ENVIRON REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3.2 BIODIVERSITY 47 43.9 ↑ 3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.2.3 Pesticide use per area of cropland (kg/ha) 3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per koe) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 4. Governance transition 4. Governance transition 4. Governance transition 4. I FUNDAMENTAL RIGHTS 4. I FUNDAMENTAL RIGHTS 4. SECURITY: Homicide rate (per 100,000 inhabitants) 4. SECURITY: Homicide rate (per 100,000 inhabitants) 4. TRANSPARENCY 4.3 TRANSPARENCY 4.4 A.4 A.4 A.4 A.4 4.3.1 Corruption perceptions index (0-100) 5.1 47 48.7 ↑	2.2.2	Employment-to-population ratio gender gap 25+ (%)	31.2	61	55.4	7		
2.3   Free or non-remunerated time (%)   49.7   40   65.0   -	2.2.3	Early childhood care and education (%)	48.8	49	48.0	<b>↑</b>		
2.4. EQUALITY 2.4.1 Gini coefficient disposable income post taxes and transfers (0-100) 2.4.2 Income share held by the poorest quintile (%) 3. Environmental transition 3. EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3.2 BIODIVERSITY 47 43.9 ↑ 3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.2.3 Pesticide use per area of cropland (kg/ha) 3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per kg) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 4. Governance transition 4. Governance transition 4.1 FUNDAMENTAL RIGHTS 4.1.1 Voice and accountability index (z-score) 4.1.2 Rule of law index (z-score) 4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 4.3 TRANSPARENCY 4.4 1.5 TANSPARENCY 4.5 2 58.0	2.3		49.7	40	63.0	- /		
2.4.1 (O-100) 2.4.2 Income share held by the poorest quintile (%)  5. Environmental transition  3. EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3.2 BIODIVERSITY  47 43.9 ↑  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.2.3 Pesticide use per area of cropland (kg/ha)  3.0 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per kg)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  4. Governance transition  4. Governance transition  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.4 48.7 ↑  4.3.1 Corruption perceptions index (0-100)  4.3.2 Basel anti-money laundering index (0-100)  5.1 47 48.7 ↑	2.4			52	58.0	٧ \	_	
3. Environmental transition 3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3.2 BIODIVERSITY 3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.2.3 Pesticide use per area of cropland (kg/ha) 3.2.4 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per kg) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 4.1 FUNDAMENTAL RIGHTS 4.1.1 Voice and accountability index (z-score) 4.1.2 Rule of law index (z-score) 4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 4.3 TRANSPARENCY 4.3.1 Corruption perceptions index (0-100) 4.3.2 Basel anti-money laundering index (0-10) 5.1 47 48.7 ↑	2.4.1		39.0	53	57.8	У /	_	
3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3.2 BIODIVERSITY  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.2.3 Pesticide use per area of cropland (kg/ha)  3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPPŞ per kg)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPŞ per koe)  4. Governance transition  4. Governance transition  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  4.3.2 Basel anti-money laundering index (0-100)  5.1 47 48.7 ↑	2.4.2	Income share held by the poorest quintile (%)	6.7	38	58.8	٧ /		
3.1 (tonnes per capita) 3.2 BIODIVERSITY  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.2.3 Pesticide use per area of cropland (kg/ha) 3.2 RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe) 4. Governance transition 4.1 FUNDAMENTAL RIGHTS 4.1.1 Voice and accountability index (z-score) 4.1.2 Rule of law index (z-score) 4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 4.3 TRANSPARENCY 4.3.1 Corruption perceptions index (0-100) 4.3.2 Basel anti-money laundering index (0-10) 5.1 47 48.7	<b>3</b> .	Environmental transition		30	58.3	<b>↑</b>		
3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.2.3 Pesticide use per area of cropland (kg/ha) 3.2.4 RESOURCE PRODUCTIVITY: Resource productivity (PPPŞ per kg) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPŞ per koe) 4.1 FUNDAMENTAL RIGHTS 4.1.1 Voice and accountability index (z-score) 4.1.2 Rule of law index (z-score) 4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 4.3 TRANSPARENCY 4.3.1 Corruption perceptions index (0-100) 4.3.2 Basel anti-money laundering index (0-100) 5.1 47 48.7 ↑	3.1		3.4	11	85.9	У	_	
3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.2.3 Pesticide use per area of cropland (kg/ha) 3.2.3 RESOURCE PRODUCTIVITY: Resource productivity (PPPŞ per kg) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPŞ per koe) 4. Governance transition 4.1 FUNDAMENTAL RIGHTS 4.1.1 Voice and accountability index (z-score) 4.1.2 Rule of law index (z-score) 4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 4.3 TRANSPARENCY 4.3.1 Corruption perceptions index (0-100) 3.5 48 3.5.5 ↑ 3.5 48 3.5.5 ↑ 4.1 31.6 ↑ 4.1 31.6 ↑ 4.1 18 4.1	3.2	BIODIVERSITY		47	43.9	1		
3.2.3 Pesticide use per area of cropland (kg/ha)  3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)  4. Governance transition  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  3.6 P9.8  - 99.8  - 10.8  3.7 A1  3.8 A1  3.8 A2  4.9 A7.4  4.1 PUNDAMENTAL RIGHTS  4.9 A7.4  4.1 PUNDAMENTAL RIGHTS  4.2 PUNDAMENTAL RIGHTS  4.3 PUNDAMENTAL RIGHTS  4.4 PUNDAMENTAL RIGHTS  4.5 PUNDAMENTAL RIGHTS  4.7 PUNDAMENTAL RIGHTS  4.1 PUNDAMENTAL RIGHTS  4.2 PUNDAMENTAL RIGHTS  4.3 PUNDAMENTAL RIGHTS  4.4 PUNDAMENTAL RIGHTS  4.5 PUNDAMENTAL RIGHTS  4.7 PUNDAMENTAL RIGHTS  4.1 PUNDAMENTA	3.2.1	Terrestrial key biodiversity areas (KBAs) protected (%)	24.4	61	24.4	<b>↑</b>		
3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)  4. Governance transition  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  38.0 54  38.0 ↑  48.7 ↑	3.2.2	Freshwater key biodiversity areas (KBAs) protected (%)	35.5	48	35.5	1		
3.3 (PPP\$ per kg) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe) 4. Governance transition 39 64.2 4.1 FUNDAMENTAL RIGHTS 4.1.1 Voice and accountability index (z-score) 4.1.2 Rule of law index (z-score) 4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 4.3 TRANSPARENCY 4.3.1 Corruption perceptions index (0-100) 4.3.2 Basel anti-money laundering index (0-10) 5.1 47 48.7 ↑	3.2.3	Pesticide use per area of cropland (kg/ha)	0.0	2	99.8	/		
4. Governance transition  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  4.3.2 Basel anti-money laundering index (0-10)  5.1 47 48.7 ↑	3.3		1.9	41	31.6	<b>↑</b>		
4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  4.3.2 Basel anti-money laundering index (0-10)  4.4 ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑	3.4	ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)	14.4	18	71.8	<b>↑</b>		
4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  4.3.2 Basel anti-money laundering index (0-10)  5.1 47 48.7 ↑	4.	Governance transition		39	64.2	7		
4.1.2 Rule of law index (z-score)       (0.3) 59 37.6 ↑         4.2 SECURITY: Homicide rate (per 100,000 inhabitants)       0.4 4 90.0 −         4.3 TRANSPARENCY       49 44.4 ↑         4.3.1 Corruption perceptions index (0-100)       38.0 54 38.0 ↑         4.3.2 Basel anti-money laundering index (0-10)       5.1 47 48.7 ↑	4.1	FUNDAMENTAL RIGHTS		49	47.4	<b>↑</b>		
4.2       SECURITY: Homicide rate (per 100,000 inhabitants)       0.4       4       90.0       -         4.3       TRANSPARENCY       49       44.4       ↑         4.3.1       Corruption perceptions index (0-100)       38.0       54       38.0       ↑         4.3.2       Basel anti-money laundering index (0-10)       5.1       47       48.7       ↑	4.1.1	Voice and accountability index (z-score)	0.2	48	57.1	<b>↑</b>		
4.3 TRANSPARENCY       49       44.4       ↑         4.3.1 Corruption perceptions index (0-100)       38.0       54       38.0       ↑         4.3.2 Basel anti-money laundering index (0-10)       5.1       47       48.7       ↑	4.1.2	Rule of law index (z-score)	(0.3)	59	37.6	<b>↑</b>		
4.3.1 Corruption perceptions index (0-100)       38.0       54       38.0       ↑         4.3.2 Basel anti-money laundering index (0-10)       5.1       47       48.7       ↑	4.2	SECURITY: Homicide rate (per 100,000 inhabitants)	0.4	4	90.0	- \		
4.3.2 Basel anti-money laundering index (0-10) 5.1 47 48.7 ↑	4.3	TRANSPARENCY		49	44.4	<b>↑</b>		
	4.3.1	Corruption perceptions index (0-100)	38.0	54	38.0	<b>↑</b>		
4.4 SOUND PUBLIC FINANCES: Government gross debt (% of GDP) 30.3 12 96.6	4.3.2	Basel anti-money laundering index (0-10)	5.1	47	48.7	<b>↑</b>	/	
	4.4	SOUND PUBLIC FINANCES: Government gross debt (% of GDP)	30.3	12	96.6	И		

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

Note: Progress lines use automatic scaling.

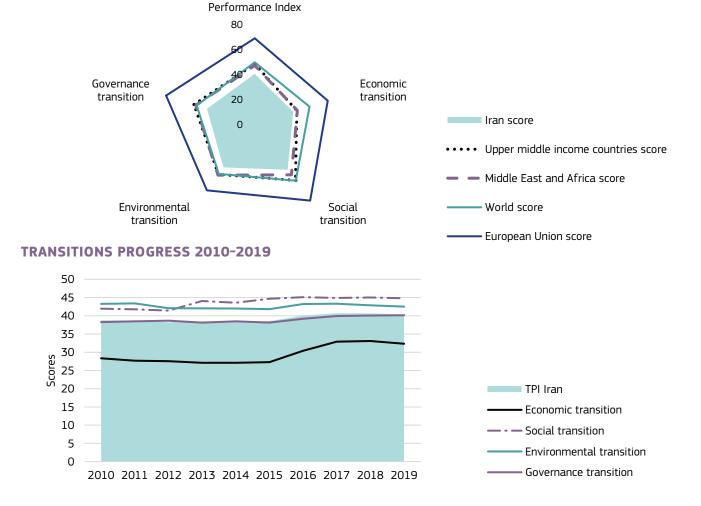


iran			
POPULATION (million inhabitants)	83.3	GDP PER CAPITA (current PPP\$)	17 661.5
GROSS DOMESTIC PRODUCT (GDP) (billion PPP\$)	1 470.7	TRADE (% of GDP)	48.8

2019	TPI	TRANSITIONS					
2019	IPI	ECONOMIC	SOCIAL	ENVIRONMENTAL	GOVERNANCE		
Iran ranks	70	59	68	60	67		
Iran score	40.4	32.3	44.8	42.5	40.2		
World weighted average score	49.7	46.1	55.8	48.9	48.8		
Upper middle income countries score	48.2	35.4	55.4	49.4	51.2		
Middle East and Africa score	47.1	35.9	49.9	50.2	49.6		
European Union score	68.8	61.4	75.4	65.2	74.5		

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

Transitions





IDAN		2019			2010-2019	
IRA	VALUE RANK SCORE		SCORE	SC	ORE PROGRESS	
TRANSI	TIONS PERFORMANCE INDEX		70	40.4	_	
1.	Economic transition		59	32.3	<b>↑</b>	
1.1	EDUCATION: Government expenditure in education per student (% of GDP per capita)	10.3	58	41.4	<b>1</b>	
1.2	WEALTH: GDP per capita, current dollars (PPP\$)	17 661.5	52	23.5	_	~~
1.3	LABOUR PRODUCTIVITY & R&D INTENSITY		43	26.2	7	~
1.3.1	Output per worker (2011 constant GDP PPP\$)	53 545.6	44	35.7	$\downarrow$	~~
1.3.2	Gross expenditure on R&D (% of GDP)	0.8	43	16.6	<b>1</b>	
1.4	INDUSTRIAL BASE		63	33.3	7	<b></b>
1.4.1	Gross value added of manufacturing (% of GDP)	12.0	42	40.0	7	<b>✓</b>
1.4.2	Patent families filed in two offices (per billion PPP\$ GDP)	0.0	61	23.2	<b>1</b>	
2.	Social transition		68	44.8	7	
2.1	HEALTH: Healthy life expectancy at birth (years)	64.9	49	66.3	7	
2.2	WORK AND INCLUSION		70	17.0	<b>1</b>	
2.2.1	Employment rate of the population aged 20-64 (%)	43.7	66	7.5	<b>1</b>	
2.2.2	Employment-to-population ratio gender gap 25+ (%)	55.8	69	20.3	<b>1</b>	~
2.2.3	Early childhood care and education (%)	37.7	62	29.5	<b>1</b>	~
2.3	FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)	32.8	65	32.3	7	
2.4	EQUALITY		59	52.5	7	
2.4.1	Gini coefficient disposable income post taxes and transfers (0-100)	40.8	58	53.8	-	
2.4.2	Income share held by the poorest quintile (%)	5.9	53	48.8	$\mathbf{\downarrow}$	
3.	Environmental transition		60	42.5	7	~
3.1	EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)	7.9	38	67.3	-	
3.2	BIODIVERSITY		40	52.1	7	1
3.2.1	Terrestrial key biodiversity areas (KBAs) protected (%)	45.0	38	45.0	_	
3.2.2	Freshwater key biodiversity areas (KBAs) protected (%)	36.2	45	36.2	-	
3.2.3	Pesticide use per area of cropland (kg/ha)	0.3	7	98.1	7	1
3.3	RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)	1.3	60	20.9	Ŋ	~~
3.4	ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)	5.9	67	29.7	$\mathbf{\downarrow}$	~~
4.	Governance transition		67	40.2	-	~~
4.1	FUNDAMENTAL RIGHTS		72	16.9	<b>1</b>	
4.1.1	Voice and accountability index (z-score)	(1.3)	69	9.4	<b>1</b>	
4.1.2	Rule of law index (z-score)	(0.7)	68	24.4	<b>1</b>	~
4.2	SECURITY: Homicide rate (per 100,000 inhabitants)	2.5	52	65.3	_	
4.3	TRANSPARENCY		72	19.6	7	~~~
4.3.1	Corruption perceptions index (0-100)	28.0	68	28.0	-	
4.3.2	Basel anti-money laundering index (0-10)	8.6	72	14.0	7	

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

Note: Progress lines use automatic scaling.

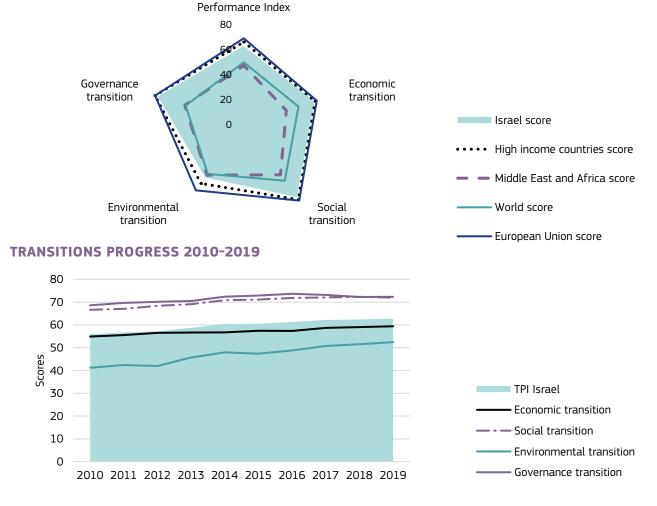


<b>□</b> ISRAEL			
POPULATION (million inhabitants)	9.1	GDP PER CAPITA (current PPP\$)	39 121.0
GROSS DOMESTIC PRODUCT (GDP) (billion PPP\$)	354.2	TRADE (% of GDP)	58.5
SUMMARY INNOVATION INDEX (0-100)	56.3		

2019	TPI	TRANSITIONS					
2019	IPI	ECONOMIC	SOCIAL	ENVIRONMENTAL	GOVERNANCE		
Israel ranks	29	22	28	41	28		
Israel score	62.7	59.4	71.9	52.4	72.3		
World weighted average score	49.7	46.1	55.8	48.9	48.8		
High income countries score	66.0	60.0	74.4	58.4	74.5		
Middle East and Africa score	47.1	35.9	49.9	50.2	49.6		
European Union score	68.8	61.4	75.4	65.2	74.5		

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

Transitions





TRANSITIONS PERFORMANCE INDEX	ICDAEL		2	2019			2010-2019	
Economic transition   22   59.4   73	12K	AEL	VALUE	RANK	SCORE	SCOF	RE PROGRESS	
EDUCATION: Government expenditure in education per student	TRANS	ITIONS PERFORMANCE INDEX		29	62.7	7		
12   WEALTH. GDP per capita, current dollars (PPPS)   39   121.0   28   52.2   ↑	1.	Economic transition		22	59.4	7		
1.3 LABOUR PRODUCTIVITY & R&D INTENSITY 1.3.1 Output per worker (2011 constant GDP PPPS) 76 939.9 24 5.13 7 1.3.2 Gross expenditure on R&D (% of GDP) 4.5 2 99.9 ↑ 4.1 INDUSTRIAL BASE 1.4 INDUSTRIAL BASE 1.4.1 Gross value added of manufacturing (% of GDP) 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 1.4.2 WORK AND INCLUSION 1.5 83.5 7 1.5 8	1.1		14.2	43	57.0	7		
1.3.1 Output per worker (2011 constant GDP PPPS) 76 939.9 24 51.3 7 1.3.2 Gross expenditure on R&D (% of GDP) 4.5 2 90.9 ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑	1.2	WEALTH: GDP per capita, current dollars (PPP\$)	39 121.0	28	52.2	1		
1.3.2 Gross expenditure on R&D (% of GDP)  1.4 INDUSTRIAL BASE  1.4.1 Gross value added of manufacturing (% of GDP)  1.2.0 43 39.9 ↓  1.4.2 Patent families filed in two offices (per billion PPPS GDP)  1.4.2 Patent families filed in two offices (per billion PPPS GDP)  2. Social transition  2.8 71.9 7  2.1 HEALTH: Healthy life expectancy at birth (years)  2.1 HEALTH: Healthy life expectancy at birth (years)  2.2 WORK AND INCLUSION  5 85.5 7  2.2.1 Employment rate of the population aged 20-64 (%)  2.2.2 Employment-to-population ratio gender gap 25+ (%)  1.1.2 14 84.0 -  2.2.3 Early childhood care and education (%)  77.7 3 96.2 ↑  7.5 55.0 ↑  7.6 Gini coefficient disposable income post taxes and transfers (0-100)  2.4.2 Income share held by the poorest quintile (%)  5. 1 65 38.8 ↑  7. Corruption percapital  8. Environmental transition  4. 52.4 ↑  4. EQUALTY  7. 20.8 7  7	1.3	LABOUR PRODUCTIVITY & R&D INTENSITY		2	71.1	7		
1.4 INDUSTRIAL BASE 1.4.1 Gross value added of manufacturing (% of GDP) 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 2. Social transition 2. R71.9 2. Social transition 2. BASI 71.9 2. EMPLOYER AND INCLUSION 2. Employment rate of the population aged 20-64 (%) 2. Employment rate of the population aged 20-64 (%) 2. Employment-to-population ratio gender gap 25+ (%) 2. E	1.3.1	Output per worker (2011 constant GDP PPP\$)	76 939.9	24	51.3	7	~	
1.4.1 Gross value added of manufacturing (% of GDP) 1.4.2 Patent families filed in two offices (per billion PPP\$ GDP) 2. Social transition 2. HEALTH: Healthy life expectancy at birth (years) 2.1 Employment rate of the population aged 20-64 (%) 2.2.1 Employment-to-population ratio gender gap 25+ (%) 2.2.2 Employment-to-population ratio gender gap 25+ (%) 2.2.3 Early childhood care and education (%) 2.3 FREE OR NON-REMUNERATED TIME: 3.4 EQUALITY 3.5 S48 3.6 72.4 − 3.6 Gini coefficient disposable income post taxes and transfers 3.7 Gini coefficient disposable income post taxes and transfers 3.8 Environmental transition 3.1 Emissions REDUCTION: Gross greenhouse gas emissions 3.2 BIODIVERSITY 3.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2.1 Freshwater key biodiversity areas (KBAs) protected (%) 3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.3 RESOURCE PRODUCTIVITY: Resource productivity 3.3 RESOURCE PRODUCTIVITY: Resource productivity 3.4 ENERGY PRODUCTIVITY: Resource productivity 4.1 FUNDAMENTAL RIGHTS 4.1 FUNDAMENTAL RIGHTS 4.1 FUNDAMENTAL RIGHTS 4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 4.3 TRANSPARENCY 4.3 TRANSPARENCY 4.3 Goruption perceptions index (0-100) 4.3 Basel anti-money laundering index (0-100) 4.5 Basel anti-money laundering index (0-100) 4.5 Basel anti-money laundering index (0-100) 4.5 Basel anti-money laundering index (0-100)	1.3.2	Gross expenditure on R&D (% of GDP)	4.5	2	90.9	1		
1.4.2 Patent families filed in two offices (per billion PPP\$ GDP) 2. Social transition 2. HEALTH: Healthy life expectancy at birth (years) 2. WORK AND INCLUSION 2. Employment rate of the population aged 20-64 (%) 2. Employment rate of the population aged 220-64 (%) 2. Employment-to-population ratio gender gap 25+ (%) 2. Employment-to-population ratio gender gap 25+ (%) 2. Employment-to-population ratio gender gap 25+ (%) 2. FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%) 3. FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%) 3. Employment disposable income post taxes and transfers (0-100) 3. Income share held by the poorest quintile (%) 3. Emissions REDUCTION: Gross greenhouse gas emissions (10-100) 3. BMISSIONS REDUCTION: Gross	1.4	INDUSTRIAL BASE		16	58.8	Z .	~_	
2. Social transition 2. HEALTH: Healthy life expectancy at birth (years) 2.1 HEALTH: Healthy life expectancy at birth (years) 2.2 WORK AND INCLUSION 3. 5 83.5	1.4.1	Gross value added of manufacturing (% of GDP)	12.0	43	39.9	<b>V</b>		
2.1 HEALTH: Healthy life expectancy at birth (years)  2.2 WORK AND INCLUSION  5 83.5  2.2.1 Employment rate of the population aged 20-64 (%)  2.2.2 Employment rate of the population aged 20-64 (%)  2.2.3 Early childhood care and education (%)  7.7.7 3 96.2  2.3 FREE OR NON-REMUNEATED TIME: Free or non-remunerated time (%)  2.4 EQUALITY  57 53.0  2.4.1 (Gini coefficient disposable income post taxes and transfers (or 100)  2.4.2 Income share held by the poorest quintile (%)  5. 1 65 38.8  5. Environmental transition  EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3. Environmental transition  EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3. BIODIVERSITY  7. 20.8  3. Environmental key biodiversity areas (KBAs) protected (%)  3. 2. Pesticide use per area of cropland (kg/ha)  3. RESOURCE PRODUCTIVITY: Resource productivity (PPPS per ko)  3. RESOURCE PRODUCTIVITY: Resource productivity (PPPS per ko)  4. Governance transition  2. ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  4. Governance transition  2. ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  4. Governance transition  2. ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  4. Governance transition  2. ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  4. Governance transition  4. ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  4. Governance transition  4. ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  4. Governance transition  4. Governance transition  4. ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  4. Governance transition  4. Governance transition  4. Governance transition  4. Governance transition  4. ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  4. Governance transition  5. Gove	1.4.2	Patent families filed in two offices (per billion PPP\$ GDP)	6.2	7	87.3	- ,		
22. WORK AND INCLUSION  22.1 Employment rate of the population aged 20-64 (%)  22.2 Employment-to-population ratio gender gap 25+ (%)  22.2 Employment-to-population ratio gender gap 25+ (%)  22.3 Early childhood care and education (%)  77.7 3 96.2 ↑  77.7 3 96.2 ↑  77.7 3 96.2 ↑  77.7 3 96.2 ↑  77.7 3 96.2 ↑  77.7 3 96.2 ↑  77.7 53.0 ↑  24.8 CQUALITY  57 53.0 ↑  24.1 Gini coefficient disposable income post taxes and transfers (0-100)  24.2 Income share held by the poorest quintile (%)  5.1 65 38.8 ↑  3.1 Emissions REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3.2 BIODIVERSITY  7.1 20.8 ₹  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per kg)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  4.1 FUNDAMENTAL RIGHTS  4.1 FUNDAMENTAL RIGHTS  4.1 FUNDAMENTAL RIGHTS  4.1 Voice and accountability index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  1.5 39 74.7  4.3 TRANSPARENCY  2.1 61.8 −  4.3 TRANSPARENCY  4.3 Dasel anti-money laundering index (0-100)  5.8 8 9 62.4 ₹  7.4 1.2 Rule of law index (z-score)  6.1 0 25 61.0 −  7. 1 20.8 ₹  7. 1 20.8 ₹  7. 2 20.8 ₹  7. 2 20.8 ₹  7. 3 3 60.2 ₹  7. 4 3 7 4 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	2.	Social transition		28	71.9	7		
2.2.1 Employment rate of the population aged 20-64 (%)  2.2.2 Employment-to-population ratio gender gap 25+ (%)  2.2.3 Early childhood care and education (%)  77.7 3 96.2 ↑  77.7 3 96.2 ↑  77.7 3 96.2 ↑  77.7 3 96.2 ↑  77.7 3 96.2 ↑  77.7 3 96.2 ↑  77.7 5.3 9.6 ↑  77.7 5.3 96.2 ↑  78.8 9.2 ↑  78	2.1	HEALTH: Healthy life expectancy at birth (years)	71.7	13	88.9	-		
2.2.2 Employment-to-population ratio gender gap 25+ (%) 2.3 Early childhood care and education (%) 77.7 3 96.2 ↑  2.5 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%) 2.4 EQUALITY 57 53.0 ↑  2.4.1 Gini coefficient disposable income post taxes and transfers (0-100) 2.4.2 Income share held by the poorest quintile (%) 3. Environmental transition 41 52.4 ↑  3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (100 consequence) 3.2 BIODIVERSITY 3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.2.3 Pesticide use per area of cropland (kg/ha) 3.1 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per kg) 3.2 BIODIVERSITY 3.3 RESOURCE PRODUCTIVITY: Energy productivity (PPPS per kg) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 4.1 FUNDAMENTAL RIGHTS 4.1 Voice and accountability index (z-score) 4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 4.3 TRANSPARENCY 4.3 TRANSPARENCY 4.3 Basel anti-money laundering index (0-100) 4.3 Basel anti-money laundering index (0-100) 5 1 3 8.8 9 62.4 7	2.2	WORK AND INCLUSION		5	83.5	7		
2.2.3 Early childhood care and education (%) 77.7 3 96.2 ↑  2.5 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%) 54.8 28 72.4 - 57.4 57.4 57.5 57.5 57.8 ↑  2.4 EQUALITY 57 53.0 ↑  2.4.1 Gini coefficient disposable income post taxes and transfers (0-100) 5.1 65 38.8 ↑  3. Environmental transition 41 52.4 ↑  3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 71 20.8 7 71 20.8	2.2.1	Employment rate of the population aged 20-64 (%)	78.3	16	76.7	<b>1</b>		
2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  2.4 EQUALITY  57 53.0 ↑  2.4.1 Gini coefficient disposable income post taxes and transfers (0-100)  2.4.2 Income share held by the poorest quintile (%)  5.1 65 38.8 ↑  3. Environmental transition  41 52.4 ↑  3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3.2 BIODIVERSITY  7.1 20.8 ¾  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.2.3 Pesticide use per area of cropland (kg/ha)  3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per ko)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  4. Governance transition  2. Freshwater key hindiversity areas (KBAs) and the following productivity (PPPS per koe)  4. Governance transition  2. Freshwater key biodiversity index (z-score)  4. Governance transition  4. FUNDAMENTAL RIGHTS  5. FUNDAMENTAL RIGHTS  5. FUNDAMENTAL RIGHTS  6. FUNDAMENTAL RIGHTS  6. FUNDAMENTAL RIGHTS  6. FUNDAMENTAL RIGHTS  6. FUNDAMENTAL RIGHTS  7. FUNDAMENTAL RIGH	2.2.2	Employment-to-population ratio gender gap 25+ (%)	11.2	14	84.0	- ,		
2.4 EQUALITY 57 53.0 ↑  2.4.1 Gini coefficient disposable income post taxes and transfers (0-100) 2.4.2 Income share held by the poorest quintile (%) 5.1 65 38.8 ↑  3. Environmental transition 41 52.4 ↑  3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3.2 BIODIVERSITY 71 20.8 №  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 20.9 68 20.9 -  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 26.1 59 26.1 -  3.2.3 Pesticide use per area of cropland (kg/ha) 12.6 62 9.9 №  3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per ko) 15.0 13 75.2 ↑  4. Governance transition 28 72.3 -  4.1 FUNDAMENTAL RIGHTS 31 79.1 -  4.1.1 Voice and accountability index (z-score) 0.7 36 74.3 -  4.1.2 Rule of law index (z-score) 1.0 28 84.0 -  4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 1.5 39 74.7 №  4.3 TRANSPARENCY 21 61.8 -  4.3.1 Corruption perceptions index (0-100) 61.0 25 61.0 -  4.3.2 Basel anti-money laundering index (0-10) 3.8 9 62.4 №	2.2.3	Early childhood care and education (%)	77.7	3	96.2	<b>1</b>		
2.4 EQUALITY 57 53.0 ↑  2.4.1 Gini coefficient disposable income post taxes and transfers (0-100) 2.4.2 Income share held by the poorest quintile (%) 5.1 65 38.8 ↑  3. Environmental transition 41 52.4 ↑  3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3.2 BIODIVERSITY 71 20.8 7  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 20.9 68 20.9 - / / / / / / / / / / / / / / / / / /	2.3		54.8	28	72.4	_		
2.4.1 Gini coefficient disposable income post taxes and transfers (0-100) 2.4.2 Income share held by the poorest quintile (%) 5.1 65 38.8 ↑  3. Environmental transition 41 52.4 ↑  3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3.2 BIODIVERSITY 71 20.8 7  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 20.9 68 20.9 −  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 26.1 59 26.1 −  3.2.3 Pesticide use per area of cropland (kg/ha) 12.6 62 9.9  3.7 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per kg) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 4. Governance transition 28 72.3  4.1 FUNDAMENTAL RIGHTS 31 79.1 −  4.1.1 Voice and accountability index (z-score) 4.1.2 Rule of law index (z-score) 4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 1.5 39 74.7 7  4.3 TRANSPARENCY 21 61.8 −  4.3.1 Corruption perceptions index (0-100) 4.3.2 Basel anti-money laundering index (0-100) 3.8 9 62.4 7	2.4			57				
2.4.1 (0-100) 2.4.2 Income share held by the poorest quintile (%) 5.1 65 38.8 ↑  3. Environmental transition 41 52.4 ↑  3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3.2 BIODIVERSITY 3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.2.3 Pesticide use per area of cropland (kg/ha) 3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per kg) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 4. Governance transition 4.1 FUNDAMENTAL RIGHTS 4.1.1 Voice and accountability index (z-score) 4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 4.3 TRANSPARENCY 4.3 TRANSPARENCY 4.3 TRANSPARENCY 5.1 65 38.8 ↑  5.2 4 ↑  5.2.4 ↑  5.3 58.9 −  7.1 20.8 №  7.2 20.9 68 20.9 −  7.3 26.1 −  7.4 20.8 №  7.5 26.1 −  7.7 36 74.3 −  7.8 31 79.1 −  7.9 36 74.3 −  7.9 36 74.3 −  7.9 36 74.3 −  7.9 36 74.3 −  7.0 36 74.3 −  7.1 20.8 №  7.2 3 −  7.2 3 −  7.3 3 −  7.4 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7			70.0			_		
3. Environmental transition  3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capital)  3.2 BIODIVERSITY  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.2.3 Pesticide use per area of cropland (kg/ha)  3.2 RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per koe)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)  4. Governance transition  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  3.3 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  4.5.2 A  4.6 Corruption perceptions index (0-100)  4.7 Corruption perceptions index (0-100)  4.8 Security: Homicide rate (per 100,000 inhabitants)  4.9 Get A  4.1 Corruption perceptions index (0-100)  4.2 Basel anti-money laundering index (0-100)  4.3 Basel anti-money laundering index (0-100)	2.4.1	(0-100)				Τ -		
3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3.2 BIODIVERSITY 3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.2.3 Pesticide use per area of cropland (kg/ha) 3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe) 4. Governance transition 4.1 FUNDAMENTAL RIGHTS 4.1.1 Voice and accountability index (z-score) 4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 4.3 TRANSPARENCY 4.3.1 Corruption perceptions index (0-100) 4.3.2 Basel anti-money laundering index (0-100) 3.8 9 62.4 7			5.1		38.8	Λ _		
3.1   (tonnes per capita)   3.2   BIODIVERSITY   71   20.8   72.0   73.2.1   Terrestrial key biodiversity areas (KBAs) protected (%)   20.9   68   20.9   -   73.2.2   Freshwater key biodiversity areas (KBAs) protected (%)   26.1   59   26.1   -   73.2.3   Pesticide use per area of cropland (kg/ha)   12.6   62   9.9   74   74   74   74   74   74   74   7	3.			41	52.4	1		
3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.2.3 Pesticide use per area of cropland (kg/ha) 3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per kg) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 4. Governance transition 4.1 FUNDAMENTAL RIGHTS 4.1.1 Voice and accountability index (z-score) 4.1.2 Rule of law index (z-score) 4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 4.3 TRANSPARENCY 4.3.1 Corruption perceptions index (0-100) 4.3.2 Basel anti-money laundering index (0-100) 3.8 9 62.4   20.9 -		(tonnes per capita)	9.9	51	58.9	- •	V	
3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.2.3 Pesticide use per area of cropland (kg/ha) 12.6 62 9.9  3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe) 15.0 13 75.2 ↑  4. Governance transition 28 72.3 −  4.1 FUNDAMENTAL RIGHTS 31 79.1 −  4.1.1 Voice and accountability index (z-score) 0.7 36 74.3 −  4.1.2 Rule of law index (z-score) 1.0 28 84.0 −  4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 1.5 39 74.7  4.3 TRANSPARENCY 21 61.8 −  4.3.1 Corruption perceptions index (0-100) 61.0 25 61.0 −  4.3.2 Basel anti-money laundering index (0-10) 3.8 9 62.4	3.2			71	20.8	7 -		
3.2.3 Pesticide use per area of cropland (kg/ha)  3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)  4. Governance transition  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  4.3.2 Basel anti-money laundering index (0-10)  3.3 16  54.8  7.3  7.4  7.5  8.7  8.7  9.9  9.9  7.  9.9  9.9  7.  9.9  9.9  7.  9.9  9.9  9.9  9.9  7.  9.9  9.  9.9  9.9  9.9  9.9  9.9  9.9  9.9  9.9  9.9  9.9  9.9  9.9  9.0						- /		
3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)  4. Governance transition  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  4.3.2 Basel anti-money laundering index (0-10)  3.3 16 54.8 ↑  54.8 ↑  54.8 ↑  65.4 ↑  65.4 ↑  65.4 ↑  65.4 ↑  65.4 ↑  66.4 ↑  66.4 ↑  67.5 ↑  67.6 ↑  67.7 ↑	3.2.2		26.1	59		- /	/	
3.5 (PPP\$ per kg) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe) 4. Governance transition 28 72.3 4.1 FUNDAMENTAL RIGHTS 31 79.1 4.1.1 Voice and accountability index (z-score) 4.1.2 Rule of law index (z-score) 4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 4.3 TRANSPARENCY 4.3.1 Corruption perceptions index (0-100) 4.3.2 Basel anti-money laundering index (0-10) 3.8 9 62.4	3.2.3	· · · · · · · · · · · · · · · · · · ·	12.6	62	9.9	7 -	/	
4.       Governance transition       28       72.3       -         4.1       FUNDAMENTAL RIGHTS       31       79.1       -         4.1.1       Voice and accountability index (z-score)       0.7       36       74.3       -         4.1.2       Rule of law index (z-score)       1.0       28       84.0       -         4.2       SECURITY: Homicide rate (per 100,000 inhabitants)       1.5       39       74.7       7         4.3       TRANSPARENCY       21       61.8       -         4.3.1       Corruption perceptions index (0-100)       61.0       25       61.0       -         4.3.2       Basel anti-money laundering index (0-10)       3.8       9       62.4       7	3.3		3.3	16	54.8	1		
4.1       FUNDAMENTAL RIGHTS       31       79.1       -         4.1.1       Voice and accountability index (z-score)       0.7       36       74.3       -         4.1.2       Rule of law index (z-score)       1.0       28       84.0       -         4.2       SECURITY: Homicide rate (per 100,000 inhabitants)       1.5       39       74.7       7         4.3       TRANSPARENCY       21       61.8       -         4.3.1       Corruption perceptions index (0-100)       61.0       25       61.0       -         4.3.2       Basel anti-money laundering index (0-10)       3.8       9       62.4       7	3.4	ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)	15.0	13	75.2	1		
4.1.1 Voice and accountability index (z-score)       0.7 36 74.3 -         4.1.2 Rule of law index (z-score)       1.0 28 84.0 -         4.2 SECURITY: Homicide rate (per 100,000 inhabitants)       1.5 39 74.7 7         4.3 TRANSPARENCY       21 61.8 -         4.3.1 Corruption perceptions index (0-100)       61.0 25 61.0 -         4.3.2 Basel anti-money laundering index (0-10)       3.8 9 62.4 7	4.	Governance transition		28	72.3			
4.1.2 Rule of law index (z-score)       1.0       28       84.0       -         4.2 SECURITY: Homicide rate (per 100,000 inhabitants)       1.5       39       74.7       7         4.3 TRANSPARENCY       21       61.8       -         4.3.1 Corruption perceptions index (0-100)       61.0       25       61.0       -         4.3.2 Basel anti-money laundering index (0-10)       3.8       9       62.4       7	4.1	FUNDAMENTAL RIGHTS		31	79.1	- ,	~~	
4.2       SECURITY: Homicide rate (per 100,000 inhabitants)       1.5       39       74.7       7         4.3       TRANSPARENCY       21       61.8       -         4.3.1       Corruption perceptions index (0-100)       61.0       25       61.0       -         4.3.2       Basel anti-money laundering index (0-10)       3.8       9       62.4       7	4.1.1	Voice and accountability index (z-score)	0.7	36	74.3	- ,		
4.3 TRANSPARENCY       21       61.8       -         4.3.1 Corruption perceptions index (0-100)       61.0       25       61.0       -         4.3.2 Basel anti-money laundering index (0-10)       3.8       9       62.4       7	4.1.2	Rule of law index (z-score)	1.0	28	84.0	- ,	~~	
4.3.1 Corruption perceptions index (0-100)       61.0       25       61.0       -         4.3.2 Basel anti-money laundering index (0-10)       3.8       9       62.4       7	4.2	SECURITY: Homicide rate (per 100,000 inhabitants)	1.5	39	74.7	7		
4.3.2 Basel anti-money laundering index (0-10)  3.8 9 62.4 7	4.3	TRANSPARENCY		21	61.8			
	4.3.1	Corruption perceptions index (0-100)	61.0	25	61.0			
4.4 SOUND PUBLIC FINANCES: Government gross debt (% of GDP) 61.9 46 76.2 7	4.3.2	Basel anti-money laundering index (0-10)	3.8	9	62.4	7 .	~	
	4.4	SOUND PUBLIC FINANCES: Government gross debt (% of GDP)	61.9	46	76.2	7		

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

Note: Progress lines use automatic scaling.

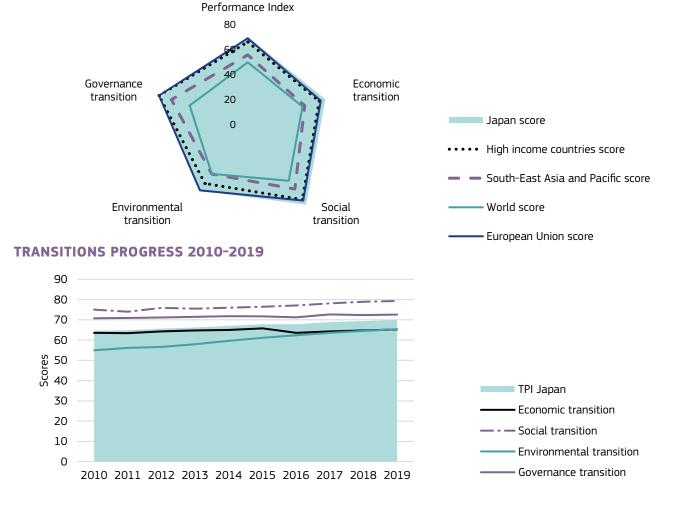


JAPAN			
POPULATION (million inhabitants)	126.2	GDP PER CAPITA (current PPP\$)	45 546.2
GROSS DOMESTIC PRODUCT (GDP) (billion PPP\$)	5 747.5	TRADE (% of GDP)	36.8

2019	TPI	TRANSITIONS				
2019	IPI	ECONOMIC	SOCIAL	ENVIRONMENTAL	GOVERNANCE	
Japan ranks	15	16	14	14	27	
Japan score	70.0	65.3	79.3	65.4	72.6	
World weighted average score	49.7	46.1	55.8	48.9	48.8	
High income countries score	66.0	60.0	74.4	58.4	74.5	
South-East Asia and Pacific score	55.6	47.9	64.0	49.0	64.1	
European Union score	68.8	61.4	75.4	65.2	74.5	

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

Transitions





70.0	SCORE PROGRESS
70.0	7
	,
65.3	- //
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60.7	<b>↑</b>
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92.0	-
75.3	<b>↑</b>
83.9	1
70.6	7
67.5	<b>1</b>
81.5	<b>↑</b>
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71.3	7 /
65.4	<b>↑</b>
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	58.2 60.7 57.3 50.3 64.3 4 80.7 69.1 98.0 79.3 92.0 75.3 83.9 70.6 67.5 81.5 71.3 71.3 71.3 65.4 57.9 56.3 65.8 67.0 16.0 4 84.0 63.6 72.6 89.2 84.7 93.7 93.5 59.1 73.0 73.0 74.8

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

Note: Progress lines use automatic scaling.

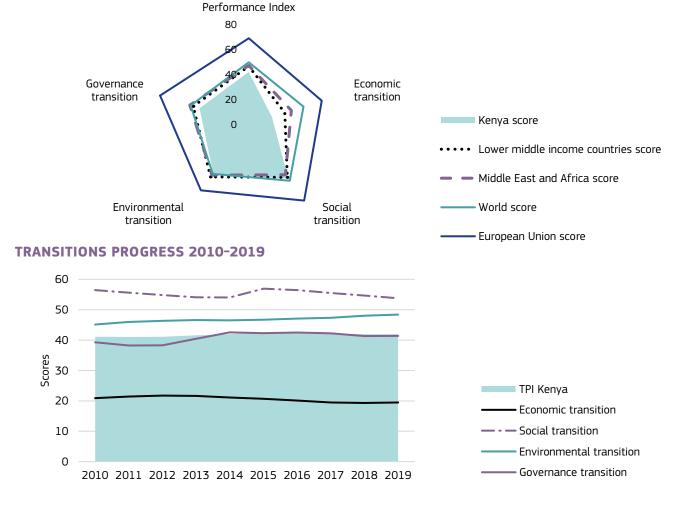


<b>KENYA</b>			
POPULATION (million inhabitants)	49.4	GDP PER CAPITA (current PPP\$)	3 874.6
GROSS DOMESTIC PRODUCT (GDP) (billion PPP\$)	191.3	TRADE (% of GDP)	33.4

2019	TPI	TRANSITIONS				
2019	IPI	ECONOMIC	SOCIAL	ENVIRONMENTAL	GOVERNANCE	
Kenya ranks	69	71	58	51	65	
Kenya score	41.9	19.5	53.8	48.4	41.4	
World weighted average score	49.7	46.1	55.8	48.9	48.8	
Lower middle income countries score	46.4	30.3	52.5	52.0	46.6	
Middle East and Africa score	47.1	35.9	49.9	50.2	49.6	
European Union score	68.8	61.4	75.4	65.2	74.5	

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

Transitions





KENYA		2	2019			2010-2019	
KEI	IVEIVIA		RANK	SCORE	SC	ORE PROGRESS	
TRANS	ITIONS PERFORMANCE INDEX		69	41.9	-		
1.	Economic transition		71	19.5	7		
1.1	EDUCATION: Government expenditure in education per student (% of GDP per capita)	8.9	63	35.4	-	<b>\</b>	
1.2	WEALTH: GDP per capita, current dollars (PPP\$)	3 874.6	72	5.2	<b>1</b>		
1.3	LABOUR PRODUCTIVITY & R&D INTENSITY		68	10.3	-		
1.3.1	Output per worker (2011 constant GDP PPP\$)	7 187.6	72	4.8	<b>1</b>		
1.3.2	Gross expenditure on R&D (% of GDP)	0.8	46	15.7	-		
1.4	INDUSTRIAL BASE		70	19.2	$\mathbf{\downarrow}$		
1.4.1	Gross value added of manufacturing (% of GDP)	7.7	65	25.8	$\mathbf{\downarrow}$		
1.4.2	Patent families filed in two offices (per billion PPP\$ GDP)	0.0	68	9.3	7		
2.	Social transition		58	53.8	7	V	
2.1	HEALTH: Healthy life expectancy at birth (years)	57.0	70	40.1	<b>1</b>		
2.2	WORK AND INCLUSION		33	68.6	$\downarrow$		
2.2.1	Employment rate of the population aged 20-64 (%)	67.2	42	54.3	<b>4</b>		
2.2.2	Employment-to-population ratio gender gap 25+ (%)	7.3	3	89.5	_		
2.2.3	Early childhood care and education (%)	53.0	41	55.1	<b>1</b>		
2.3	FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)	46.1	53	56.6	<b>\</b>		
2.4	EQUALITY		55	53.5	<b>1</b>		
2.4.1	Gini coefficient disposable income post taxes and transfers (0-100)	40.8	58	53.8	<b>↑</b>		
2.4.2	Income share held by the poorest quintile (%)	6.2	49	52.5	-		
3.	Environmental transition		51	48.4	7		
3.1	EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)	1.0	1	95.7	-		
3.2	BIODIVERSITY		45	47.4	-		
3.2.1	Terrestrial key biodiversity areas (KBAs) protected (%)	35.1	51	35.1	_		
3.2.2	Freshwater key biodiversity areas (KBAs) protected (%)	34.4	49	34.4	_		
3.2.3	Pesticide use per area of cropland (kg/ha)	0.3	6	98.2	_		
3.3	RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)	1.2	63	19.9	<b>↑</b>		
3.4	ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)	6.1	64	30.5	7		
4.	Governance transition		65	41.4	-		
4.1	FUNDAMENTAL RIGHTS		61	35.0	<b>1</b>		
4.1.1	Voice and accountability index (z-score)	(0.4)	60	35.9	$\downarrow$		
4.1.2	Rule of law index (z-score)	(0.4)	63	34.1	<b>1</b>		
4.2	SECURITY: Homicide rate (per 100,000 inhabitants)	4.9	62	50.7	Z	\	
4.3	TRANSPARENCY		71	26.8	<b>1</b>		
4.3.1	Corruption perceptions index (0-100)	27.0	71	27.0	_	~~	
4.3.2	Basel anti-money laundering index (0-10)	7.3	71	26.7	<b>1</b>		
4.4	SOUND PUBLIC FINANCES: Government gross debt (% of GDP)	61.6	45	76.4	$\downarrow$		
Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]							

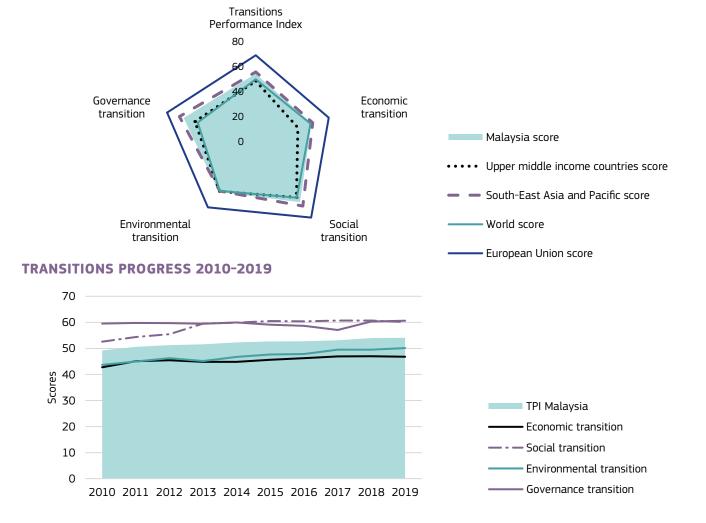
Note: Progress lines use automatic scaling.



MALAYSIA			
POPULATION (million inhabitants)	32.8	GDP PER CAPITA (current PPP\$)	32 880.8
GROSS DOMESTIC PRODUCT (GDP) (billion PPP\$)	1 078.5	TRADE (% of GDP)	123.1

2019	TPI	TRANSITIONS				
2019	IPI	ECONOMIC	SOCIAL	ENVIRONMENTAL	GOVERNANCE	
Malaysia ranks	43	39	48	46	44	
Malaysia score	54.1	46.8	60.2	50.1	60.6	
World weighted average score	49.7	46.1	55.8	48.9	48.8	
Upper middle income countries score	48.2	35.4	55.4	49.4	51.2	
South-East Asia and Pacific score	55.6	47.9	64.0	49.0	64.1	
European Union score	68.8	61.4	75.4	65.2	74.5	

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]





MALAYSIA		2	2019			2010-2019	
MA	LATSIA	VALUE	RANK	SCORE	SC	ORE PROGRESS	
TRANS	ITIONS PERFORMANCE INDEX		43	54.1	7		
1.	Economic transition		39	46.8	7		
1.1	EDUCATION: Government expenditure in education per student (% of GDP per capita)	10.1	59	40.4	7		
1.2	WEALTH: GDP per capita, current dollars (PPP\$)	32 880.8	37	43.8	<b>1</b>		
1.3	LABOUR PRODUCTIVITY & R&D INTENSITY		29	34.8	<b>1</b>		
1.3.1	Output per worker (2011 constant GDP PPP\$)	61 291.1	39	40.9	<b>1</b>		
1.3.2	Gross expenditure on R&D (% of GDP)	1.4	23	28.7	<b>1</b>		
1.4	INDUSTRIAL BASE		13	63.1	7		
1.4.1	Gross value added of manufacturing (% of GDP)	21.6	7	71.9	7		
1.4.2	Patent families filed in two offices (per billion PPP\$ GDP)	0.4	34	50.0	7		
2.	Social transition		48	60.2	<b>1</b>		
2.1	HEALTH: Healthy life expectancy at birth (years)	65.3	44	67.7	-		
2.2	WORK AND INCLUSION		39	66.2	<b>1</b>		
2.2.1	Employment rate of the population aged 20-64 (%)	73.7	30	67.4	7		
2.2.2	Employment-to-population ratio gender gap 25+ (%)	29.7	60	57.6	<b>1</b>		
2.2.3	Early childhood care and education (%)	68.6	15	81.1	<b>1</b>		
2.3	FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)	47.6	50	59.2	7		
2.4	EQUALITY		60	51.9	<b>1</b>		
2.4.1	Gini coefficient disposable income post taxes and transfers (0-100)	41.0	60	53.3	<b>1</b>		
2.4.2	Income share held by the poorest quintile (%)	5.8	54	47.5	<b>1</b>		
3.	Environmental transition		46	50.1	<b>1</b>	///	
3.1	EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)	8.7	44	63.6	-		
3.2	BIODIVERSITY		41	51.4	-	<b>/</b>	
3.2.1	Terrestrial key biodiversity areas (KBAs) protected (%)	39.5	47	39.5	-		
3.2.2	Freshwater key biodiversity areas (KBAs) protected (%)	68.0	25	68.0	-		
3.2.3	Pesticide use per area of cropland (kg/ha)	8.1	58	42.1	7	<b>/</b>	
3.3	RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)	2.1	36	34.7	<b>1</b>		
3.4	ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)	10.2	45	50.8	<b>1</b>	~~	
4.	Governance transition		44	60.6	-		
4.1	FUNDAMENTAL RIGHTS		42	60.0	<b>1</b>		
4.1.1	Voice and accountability index (z-score)	(0.1)	56	46.7	<b>1</b>		
4.1.2	Rule of law index (z-score)	0.6	34	73.3	7	<b></b>	
4.2	SECURITY: Homicide rate (per 100,000 inhabitants)	2.1	47	68.4	7		
4.3	TRANSPARENCY		47	47.1	7		
4.3.1	Corruption perceptions index (0-100)	47.0	40	47.0	71		
4.3.2	Basel anti-money laundering index (0-10)	5.3	51	47.2	7		
4.4	SOUND PUBLIC FINANCES: Government gross debt (% of GDP)	56.3	41	79.8	7	<b>\</b>	

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

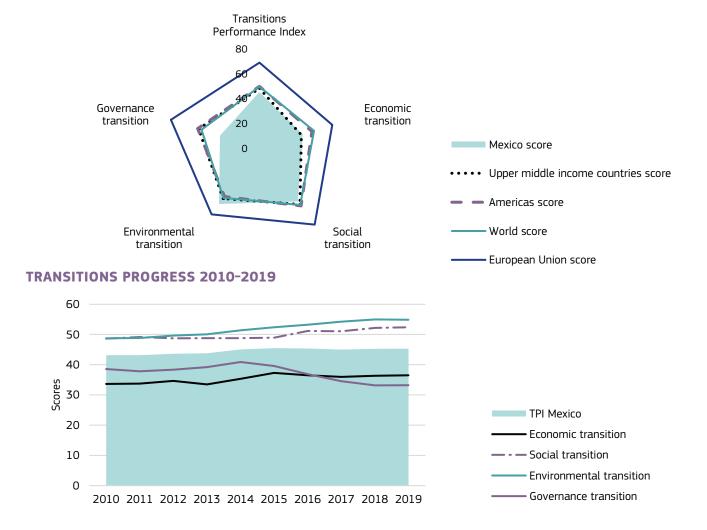
Note: Progress lines use automatic scaling.



<b>MEXICO</b>			
POPULATION (million inhabitants)	125.9	GDP PER CAPITA (current PPP\$)	20 867.6
GROSS DOMESTIC PRODUCT (GDP) (billion PPP\$)	2 627.9	TRADE (% of GDP)	78.2

2019	TPI	TRANSITIONS				
2019	IPI	ECONOMIC	ENVIRONMENTAL	GOVERNANCE		
Mexico ranks	64	55	59	39	71	
Mexico score	45.3	36.5	52.4	54.9	33.2	
World weighted average score	49.7	46.1	55.8	48.9	48.8	
Upper middle income countries score	48.2	35.4	55.4	49.4	51.2	
America score	49.8	44.2	56.7	47.5	52.0	
European Union score	68.8	61.4	75.4	65.2	74.5	

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]





MEXICO		2	2019			2010-2019	
		VALUE	RANK	SCORE	SCO	RE PROGRESS	
TRANS	ITIONS PERFORMANCE INDEX		64	45.3	-		
1.	Economic transition		55	36.5	7		
1.1	EDUCATION: Government expenditure in education per student (% of GDP per capita)	10.4	57	41.6	Ŋ		
1.2	WEALTH: GDP per capita, current dollars (PPP\$)	20 867.6	46	27.8	<b>1</b>		
1.3	LABOUR PRODUCTIVITY & R&D INTENSITY		56	18.7	-	~~	
1.3.1	Output per worker (2011 constant GDP PPP\$)	41 554.2	52	27.7	-		
1.3.2	Gross expenditure on R&D (% of GDP)	0.5	59	9.7	7	\\_	
1.4	INDUSTRIAL BASE		32	49.1	<b>1</b>		
1.4.1	Gross value added of manufacturing (% of GDP)	17.3	18	57.7	7	~~~	
1.4.2	Patent families filed in two offices (per billion PPP\$ GDP)	0.1	48	36.1	<b>1</b>		
2.	Social transition		59	52.4	7		
2.1	HEALTH: Healthy life expectancy at birth (years)	65.8	38	69.4	7		
2.2	WORK AND INCLUSION		58	48.0	7	<b>/</b>	
2.2.1	Employment rate of the population aged 20-64 (%)	66.2	45	52.5	-	<b>/</b>	
2.2.2	Employment-to-population ratio gender gap 25+ (%)	36.6	63	47.7	-	/~/	
2.2.3	Early childhood care and education (%)	43.8	57	39.6	<b>1</b>		
2.3	FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)	43.3	57	51.5	-	<b>/</b>	
2.4	EQUALITY		67	43.3	<b>1</b>		
2.4.1	Gini coefficient disposable income post taxes and transfers (0-100)	45.4	67	43.6	7		
2.4.2	Income share held by the poorest quintile (%)	5.4	60	42.5	<b>1</b>		
3.	Environmental transition		39	54.9	7		
3.1	EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)	5.7	20	76.1	-		
3.2	BIODIVERSITY		59	36.2	-		
3.2.1	Terrestrial key biodiversity areas (KBAs) protected (%)	31.7	55	31.7	7		
3.2.2	Freshwater key biodiversity areas (KBAs) protected (%)	15.1	64	15.1	-		
3.2.3	Pesticide use per area of cropland (kg/ha)	1.8	28	87.4	-		
3.3	RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)	2.5	25	42.4	<b>↑</b>		
3.4	ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)	13.0	25	64.9	<b>1</b>		
4.	Governance transition		71	33.2	<b>\</b>		
4.1	FUNDAMENTAL RIGHTS		59	37.4	<b>\</b>		
4.1.1	Voice and accountability index (z-score)	(0.0)	52	49.8	$\downarrow$		
4.1.2	Rule of law index (z-score)	(0.7)	67	25.0	$\downarrow$		
4.2	SECURITY: Homicide rate (per 100,000 inhabitants)	29.1	70	5.7	$\downarrow$		
4.3	TRANSPARENCY		55	40.4	7		
4.3.1	Corruption perceptions index (0-100)	28.0	68	28.0	$\downarrow$		
4.3.2	Basel anti-money laundering index (0-10)	5.1	47	48.7	Ŋ		
4.4	SOUND PUBLIC FINANCES: Government gross debt (% of GDP)	53.8	38	81.4	Ŋ		
Tunnaid	in land   [75 100]		4E EE[	M I. t : t	: [0 45		

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

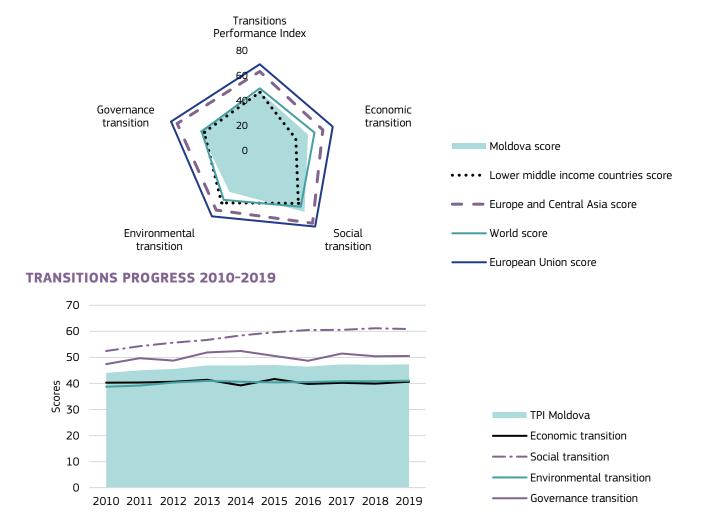
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<b>■</b> MOLDOVA			
POPULATION (million inhabitants)	3.5	GDP PER CAPITA (current PPP\$)	7 703.2
GROSS DOMESTIC PRODUCT (GDP) (billion PPP\$)	27.3	TRADE (% of GDP)	85.8

2019	TPI	TRANSITIONS					
2019	IPI	ECONOMIC	SOCIAL	ENVIRONMENTAL	GOVERNANCE		
Moldova ranks	59	49	47	61	56		
Moldova score	47.3	40.7	60.9	41.0	50.6		
World weighted average score	49.7	46.1	55.8	48.9	48.8		
Lower middle income countries score	46.4	30.3	52.5	52.0	46.6		
Europe and Central Asia score	63.1	53.1	72.0	59.1	69.5		
European Union score	68.8	61.4	75.4	65.2	74.5		

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]





MOLDOVA		2	2019			2010-2019	
MU	LDUVA	VALUE	RANK	SCORE	SCORE PROGR	ESS	
TRANS	ITIONS PERFORMANCE INDEX		59	47.3	7		
1.	Economic transition		49	40.7	\	~	
1.1	EDUCATION: Government expenditure in education per student (% of GDP per capita)	19.8	14	79.2	у ~~		
1.2	WEALTH: GDP per capita, current dollars (PPP\$)	7 703.2	70	10.3	<b>↑</b>		
1.3	LABOUR PRODUCTIVITY & R&D INTENSITY		70	9.1	- ~~	_/	
1.3.1	Output per worker (2011 constant GDP PPP\$)	19 648.4	69	13.1	<b>↑</b>		
1.3.2	Gross expenditure on R&D (% of GDP)	0.3	66	5.1	<b>V</b>		
1.4	INDUSTRIAL BASE		42	43.4	1		
1.4.1	Gross value added of manufacturing (% of GDP)	11.3	48	37.6	1	_	
1.4.2	Patent families filed in two offices (per billion PPP\$ GDP)	0.5	32	52.2	1		
2.	Social transition		47	60.9	<b>↑</b>		
2.1	HEALTH: Healthy life expectancy at birth (years)	60.7	63	52.2	<b>↑</b>		
2.2	WORK AND INCLUSION		57	50.8		~	
2.2.1	Employment rate of the population aged 20-64 (%)	30.9	71	0.0	<b>V</b>	~	
2.2.2	Employment-to-population ratio gender gap 25+ (%)	5.2	1	92.6		$\checkmark$	
2.2.3	Early childhood care and education (%)	61.4	27	69.0	1		
2.3	FREE OR NON-REMUNERATED TIME:	31.5	67	30.0	_ \ \ \		
	Free or non-remunerated time (%)	31.3			~		
2.4	EQUALITY  Cipi coefficient disposable income post taxes and transfers		3	90.5	1		
2.4.1	Gini coefficient disposable income post taxes and transfers (0-100)	25.7	4	87.3	1		
2.4.2	Income share held by the poorest quintile (%)	10.2	1	100.0	1		
3.	Environmental transition		61	41.0	- /		
3.1	EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)	2.8	6	88.3	и /	\	
3.2	BIODIVERSITY		65	31.3	7	_	
3.2.1	Terrestrial key biodiversity areas (KBAs) protected (%)	23.6	63	23.6	-		
3.2.2	Freshwater key biodiversity areas (KBAs) protected (%)	10.8	66	10.8	-		
3.2.3	Pesticide use per area of cropland (kg/ha)	1.8	27	87.5	У	_	
3.3	RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)	0.9	68	14.6	1	/	
3.4	ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)	6.0	66	30.0	1		
4.	Governance transition		56	50.6	7 ~	<u>/</u>	
4.1	FUNDAMENTAL RIGHTS		58	39.9	<u>и</u> ///	<u>~</u>	
4.1.1	Voice and accountability index (z-score)	(0.1)	57	45.8	<u>у</u> //	_	
4.1.2	Rule of law index (z-score)	(0.4)	65	34.0	у ~~\		
4.2	SECURITY: Homicide rate (per 100,000 inhabitants)	4.1	58	54.9	1	<u> </u>	
4.3	TRANSPARENCY		53	41.5	7		
4.3.1	Corruption perceptions index (0-100)	33.0	65	33.0	у =		
4.3.2	Basel anti-money laundering index (0-10)	5.3	52	47.1	<b>↑</b>	_	
4.4	SOUND PUBLIC FINANCES: Government gross debt (% of GDP)	29.5	8	97.1	<u>и</u> =		
Tranci	tion leader [75-100] Strong transition [65-75] Good transition [55-65]	Moderate transition [	AE EEL		ion [O 4E]		

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

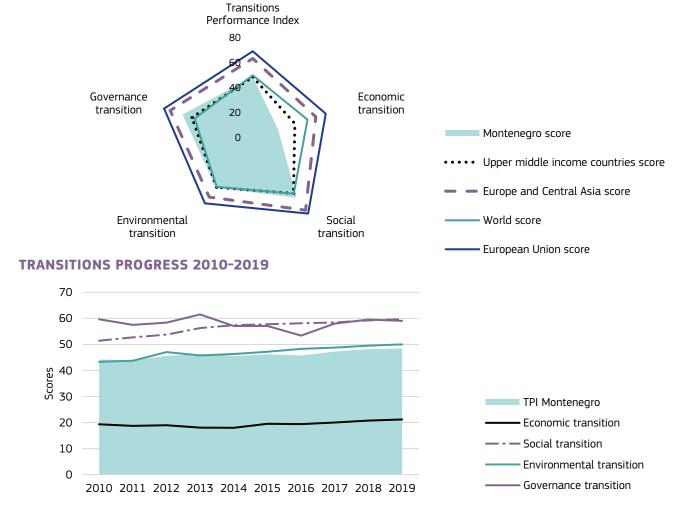
Note: Progress lines use automatic scaling.



<b>MONTENEGRO</b>			
POPULATION (million inhabitants)	0.6	GDP PER CAPITA (current PPP\$)	20 084.0
GROSS DOMESTIC PRODUCT (GDP) (billion PPP\$)	12.5	TRADE (% of GDP)	109.5
SUMMARY INNOVATION INDEX (0-100)	22.0		

2019	TPI	TRANSITIONS					
2019	IPI	ECONOMIC	SOCIAL	ENVIRONMENTAL	GOVERNANCE		
Montenegro ranks	53	70	51	47	46		
Montenegro score	48.4	21.2	59.6	50.0	59.0		
World weighted average score	49.7	46.1	55.8	48.9	48.8		
Upper middle income countries score	48.2	35.4	55.4	49.4	51.2		
Europe and Central Asia score	63.1	53.1	72.0	59.1	69.5		
European Union score	68.8	61.4	75.4	65.2	74.5		

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]





MONTENECRO		2019			2010-2019		
MONTENEGRO		VALUE	RANK	SCORE	SC	ORE PROGRESS	
TRANS	ITIONS PERFORMANCE INDEX		53	48.4	7		
1.	Economic transition		70	21.2	7	~~	
1.1	EDUCATION: Government expenditure in education per student (% of GDP per capita)	N/A	N/A	N/A	<b>↑</b>		
1.2	WEALTH: GDP per capita, current dollars (PPP\$)	20 084.0	48	26.8	<b>1</b>		
1.3	LABOUR PRODUCTIVITY & R&D INTENSITY		55	18.9	_	<b>~</b>	
1.3.1	Output per worker (2011 constant GDP PPP\$)	46 900.8	47	31.3	_	~	
1.3.2	Gross expenditure on R&D (% of GDP)	0.3	63	6.5	-		
1.4	INDUSTRIAL BASE		71	19.0	7	<b>\_</b>	
1.4.1	Gross value added of manufacturing (% of GDP)	4.0	72	13.3	$\downarrow$	~	
1.4.2	Patent families filed in two offices (per billion PPP\$ GDP)	0.1	57	27.6	7		
2.	Social transition		51	59.6	<b>1</b>		
2.1	HEALTH: Healthy life expectancy at birth (years)	66.1	35	70.4	_		
2.2	WORK AND INCLUSION		50	56.7	<b>1</b>		
2.2.1	Employment rate of the population aged 20-64 (%)	59.8	53	39.6	<b>1</b>		
2.2.2	Employment-to-population ratio gender gap 25+ (%)	17.1	39	75.6	7		
2.2.3	Early childhood care and education (%)	51.8	44	53.0	<b>1</b>		
2.3	FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)	48.1	48	60.3	<b>↑</b>		
2.4	EQUALITY		56	53.3	7		
2.4.1	Gini coefficient disposable income post taxes and transfers (0-100)	39.0	53	57.8	7		
2.4.2	Income share held by the poorest quintile (%)	5.2	63	40.0	<b>1</b>		
3.	Environmental transition		47	50.0	<b>1</b>		
3.1	EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)	5.6	19	76.8	-		
3.2	BIODIVERSITY		69	26.8	$\downarrow$		
3.2.1	Terrestrial key biodiversity areas (KBAs) protected (%)	12.5	71	12.5	_		
3.2.2	Freshwater key biodiversity areas (KBAs) protected (%)	N/A	N/A	N/A	<b>1</b>		
3.2.3	Pesticide use per area of cropland (kg/ha)	6.2	53	55.5	$\mathbf{\downarrow}$		
3.3	RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)	2.5	26	41.9	<b>↑</b>		
3.4	ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)	10.9	41	54.5	<b>1</b>		
4.	Governance transition		46	59.0	7	<b>✓</b>	
4.1	FUNDAMENTAL RIGHTS		47	53.6	7		
4.1.1	Voice and accountability index (z-score)	0.1	49	53.2	7	~~	
4.1.2	Rule of law index (z-score)	0.1	44	53.9	7		
4.2	SECURITY: Homicide rate (per 100,000 inhabitants)	2.2	49	67.5	-	<b>/</b>	
4.3	TRANSPARENCY		37	54.4	7		
4.3.1	Corruption perceptions index (0-100)	45.0	43	45.0	7		
4.3.2	Basel anti-money laundering index (0-10)	3.9	12	60.6	7		
4.4	SOUND PUBLIC FINANCES: Government gross debt (% of GDP)	81.1	57	63.8	<b>1</b>		
■ Transit	ion leader [75-100]  Strong transition [65-75]  Good transition [55-65]  M	oderate transition (4	15-55[	Weak transit	ion [0-4	151	

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

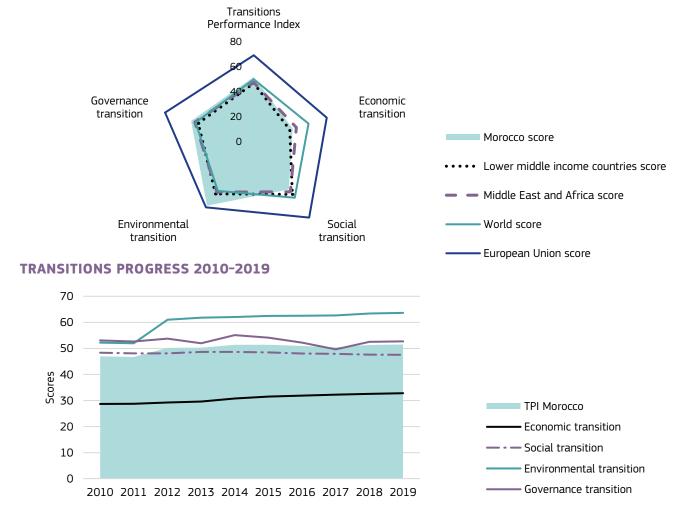
Note: Progress lines use automatic scaling.



<b>★</b> MOROCCO			
POPULATION (million inhabitants)	35.6	GDP PER CAPITA (current PPP\$)	9 235.1
GROSS DOMESTIC PRODUCT (GDP) (billion PPP\$)	328.7	TRADE (% of GDP)	87.5

2019	TPI	TRANSITIONS					
2019	IPI	ECONOMIC	SOCIAL	ENVIRONMENTAL	GOVERNANCE		
Morocco ranks	47	58	66	18	55		
Morocco score	51.5	32.8	47.5	63.6	52.7		
World weighted average score	49.7	46.1	55.8	48.9	48.8		
Lower middle income countries score	46.4	30.3	52.5	52.0	46.6		
Middle East and Africa score	47.1	35.9	49.9	50.2	49.6		
European Union score	68.8	61.4	75.4	65.2	74.5		

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]





MOROCCO		2019			2010-2019				
MONOCCO		VALUE	RANK	SCORE	SC	ORE PROGRESS			
TRANS	ITIONS PERFORMANCE INDEX		47	51.5	7				
1.	Economic transition		58	32.8	<b>1</b>				
1.1	EDUCATION: Government expenditure in education per student (% of GDP per capita)	12.5	49	50.1	7				
1.2	WEALTH: GDP per capita, current dollars (PPP\$)	9 235.1	67	12.3	<b>1</b>				
1.3	LABOUR PRODUCTIVITY & R&D INTENSITY		59	15.7	<b>1</b>				
1.3.1	Output per worker (2011 constant GDP PPP\$)	25 729.2	63	17.2	<b>1</b>				
1.3.2	Gross expenditure on R&D (% of GDP)	0.7	49	14.3	-				
1.4	INDUSTRIAL BASE		47	40.5	<b>1</b>				
1.4.1	Gross value added of manufacturing (% of GDP)	15.7	25	52.3	-				
1.4.2	Patent families filed in two offices (per billion PPP\$ GDP)	0.0	62	22.8	<b>1</b>				
2.	Social transition		66	47.5	7	~~			
2.1	HEALTH: Healthy life expectancy at birth (years)	65.0	47	66.8	7				
2.2	WORK AND INCLUSION		68	20.4	$\downarrow$				
2.2.1	Employment rate of the population aged 20-64 (%)	45.3	65	10.6	$\mathbf{\downarrow}$				
2.2.2	Employment-to-population ratio gender gap 25+ (%)	52.5	67	25.0	_				
2.2.3	Early childhood care and education (%)	38.4	60	30.7	_	<b></b> ~~			
2.3	FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)	33.6	64	33.8	<b>\</b>				
2.4	EQUALITY		54	57.2	_				
2.4.1	Gini coefficient disposable income post taxes and transfers (0-100)	39.5	56	56.7	-				
2.4.2	Income share held by the poorest quintile (%)	6.7	38	58.8	-				
3.	Environmental transition		18	63.6	<b>1</b>				
3.1	EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)	2.2	5	90.8	-	//			
3.2	BIODIVERSITY		23	71.7	<b>1</b>				
3.2.1	Terrestrial key biodiversity areas (KBAs) protected (%)	51.9	35	51.9	<b>1</b>				
3.2.2	Freshwater key biodiversity areas (KBAs) protected (%)	82.6	18	82.6	<b>1</b>				
3.2.3	Pesticide use per area of cropland (kg/ha)	1.5	22	89.6	-	/			
3.3	RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)	1.2	64	19.5	<b>↑</b>				
3.4	ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)	14.5	16	72.5	7				
4.	Governance transition		55	52.7	7	~~~			
4.1	FUNDAMENTAL RIGHTS		62	34.9	-	<b>~~~</b>			
4.1.1	Voice and accountability index (z-score)	(0.7)	62	25.4	-	<b>√</b>			
4.1.2	Rule of law index (z-score)	(0.1)	51	44.5	-	~~~			
4.2	SECURITY: Homicide rate (per 100,000 inhabitants)	1.4	38	75.6	7	~~~			
4.3	TRANSPARENCY		54	40.5	-				
4.3.1	Corruption perceptions index (0-100)	43.0	45	43.0	<b>↑</b>				
4.3.2	Basel anti-money laundering index (0-10)	6.1	61	38.8	7				
4.4	SOUND PUBLIC FINANCES: Government gross debt (% of GDP)	65.3	49	74.0	<b>1</b>				
■ Transit	■ Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]								

Note: Progress lines use automatic scaling.

Source: European Commission, Transitions Performance Index 2020.

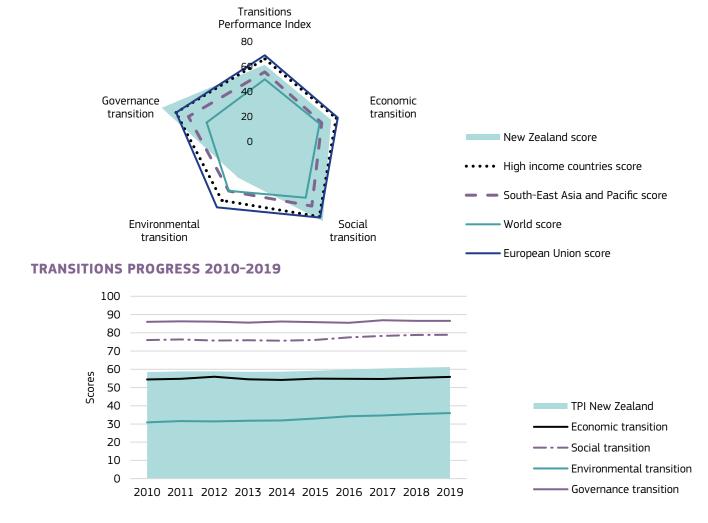


Progress or decline in scores (2010-2019): ↓ below -10%, ≥ below 0%, - between 0% and 6.5%, → above 6.5%, ↑ above 13%.

NEW ZEALAND			
POPULATION (million inhabitants)	5.0	GDP PER CAPITA (current PPP\$)	40 942.6
GROSS DOMESTIC PRODUCT (GDP) (billion PPP\$)	206.2	TRADE (% of GDP)	55.9

2019	TPI	TRANSITIONS					
2019	IPI	ECONOMIC	SOCIAL	ENVIRONMENTAL	GOVERNANCE		
New Zealand ranks	33	26	15	67	1		
New Zealand score	61.2	55.8	78.9	36.0	86.6		
World weighted average score	49.7	46.1	55.8	48.9	48.8		
High income countries score	66.0	60.0	74.4	58.4	74.5		
South-East Asia and Pacific score	55.6	47.9	64.0	49.0	64.1		
European Union score	68.8	61.4	75.4	65.2	74.5		

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]





NE	NEW ZEALAND —		2019		2010-2019	
NEW ZEALAND		VALUE	RANK	SCORE	SCORE PROGRESS	
TRANS	ITIONS PERFORMANCE INDEX		33	61.2	-	
1.	Economic transition		26	55.8	- /	
1.1	EDUCATION: Government expenditure in education per student (% of GDP per capita)	19.2	16	76.6	7 ~ K	
1.2	WEALTH: GDP per capita, current dollars (PPP\$)	40 942.6	26	54.6	<b>↑</b>	
1.3	LABOUR PRODUCTIVITY & R&D INTENSITY		28	35.2	-	
1.3.1	Output per worker (2011 constant GDP PPP\$)	68 518.5	31	45.7	- /	
1.3.2	Gross expenditure on R&D (% of GDP)	1.2	31	24.7	-	
1.4	INDUSTRIAL BASE		30	49.5	7 ~~	
1.4.1	Gross value added of manufacturing (% of GDP)	10.0	56	33.3	7 ~ \\_	
1.4.2	Patent families filed in two offices (per billion PPP\$ GDP)	2.3	17	73.8	7	
2.	Social transition		15	78.9	- ~	
2.1	HEALTH: Healthy life expectancy at birth (years)	71.8	10	89.4	-	
2.2	WORK AND INCLUSION		4	85.7	7	
2.2.1	Employment rate of the population aged 20-64 (%)	84.3	3	88.7	<b>↑</b>	
2.2.2	Employment-to-population ratio gender gap 25+ (%)	12.6	24	82.0	-	
2.2.3	Early childhood care and education (%)	72.4	11	87.3		
2.3	FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)	61.1	9	83.8	7	
2.4	EQUALITY		38	64.9	<u>v</u>	
2.4.1	Gini coefficient disposable income post taxes and transfers (0-100)	34.9	40	66.9	٨ ٨	
2.4.2	Income share held by the poorest quintile (%)	6.7	38	58.8	-	
3.	Environmental transition		67	36.0	<b>↑</b>	
3.1	EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)	17.2	66	28.4	1	
3.2	BIODIVERSITY		57	37.7	7	
3.2.1	Terrestrial key biodiversity areas (KBAs) protected (%)	43.0	39	43.0	-	
3.2.2	Freshwater key biodiversity areas (KBAs) protected (%)	29.3	55	29.3	-	
3.2.3	Pesticide use per area of cropland (kg/ha)	7.9	56	43.6	1	
3.3	RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)	1.8	47	30.3	1	
3.4	ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)	9.5	48	47.5	<b>↑</b>	
4.	Governance transition		1	86.6	- ~~/~	
4.1	FUNDAMENTAL RIGHTS		4	95.9	- /	
4.1.1	Voice and accountability index (z-score)	1.6	2	94.8	- /	
4.1.2	Rule of law index (z-score)	1.9	5	97.0	- ~	
4.2	SECURITY: Homicide rate (per 100,000 inhabitants)	0.7	17	84.6	- ~~	
4.3	TRANSPARENCY		1	75.7	٨	
4.3.1	Corruption perceptions index (0-100)	87.0	2	87.0	<u>и</u>	
4.3.2	Basel anti-money laundering index (0-10)	3.2	3	68.2	<u>и</u>	
4.4	SOUND PUBLIC FINANCES: Government gross debt (% of GDP)	29.6	9	97.0	-	

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

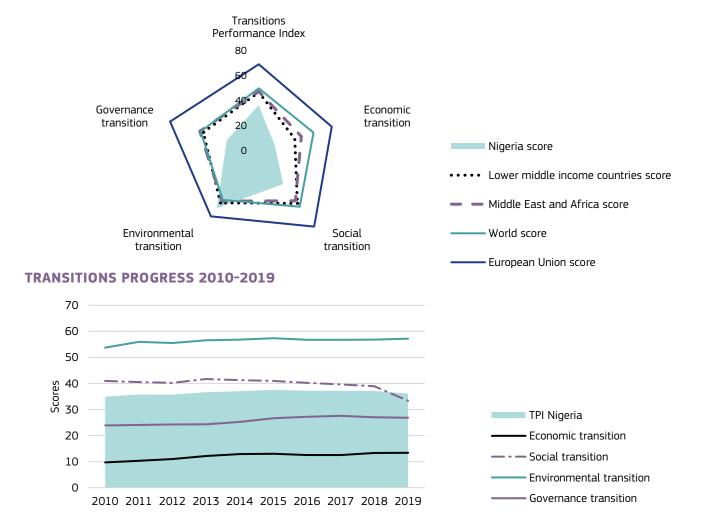
Note: Progress lines use automatic scaling.



NIGERIA			
POPULATION (million inhabitants)	201.0	GDP PER CAPITA (current PPP\$)	6 054.8
GROSS DOMESTIC PRODUCT (GDP) (billion PPP\$)	1 216.8	TRADE (% of GDP)	33.0

2019	TPI	TRANSITIONS				
2019	IPI	ECONOMIC	SOCIAL	ENVIRONMENTAL	GOVERNANCE	
Nigeria ranks	72	72	71	33	72	
Nigeria score	36.1	13.4	33.3	57.2	26.8	
World weighted average score	49.7	46.1	55.8	48.9	48.8	
Lower middle income countries score	46.4	30.3	52.5	52.0	46.6	
Middle East and Africa score	47.1	35.9	49.9	50.2	49.6	
European Union score	68.8	61.4	75.4	65.2	74.5	

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]





NIGERIA		2	2019			2010-2019	
		VALUE	RANK	SCORE	SCO	RE PROGRESS	
TRANS	ITIONS PERFORMANCE INDEX		72	36.1	-	_	
1.	Economic transition		72	13.4	<b>↑</b>		
1.1	EDUCATION: Government expenditure in education per student (% of GDP per capita)	N/A	N/A	N/A	<b>↑</b>		
1.2	WEALTH: GDP per capita, current dollars (PPP\$)	6 054.8	71	8.1	<b>1</b>		
1.3	LABOUR PRODUCTIVITY & R&D INTENSITY		72	7.8	<b>1</b>		
1.3.1	Output per worker (2011 constant GDP PPP\$)	19 354.1	70	12.9	<b>1</b>		
1.3.2	Gross expenditure on R&D (% of GDP)	0.1	72	2.6	-		
1.4	INDUSTRIAL BASE		69	20.6	<b>1</b>		
1.4.1	Gross value added of manufacturing (% of GDP)	9.6	59	32.2	<b>1</b>	/	
1.4.2	Patent families filed in two offices (per billion PPP\$ GDP)	0.0	70	3.3	<b>1</b>		
2.	Social transition		71	33.3	<b>\</b>		
2.1	HEALTH: Healthy life expectancy at birth (years)	48.7	72	12.3	<b>1</b>		
2.2	WORK AND INCLUSION		63	37.9	<b>4</b>		
2.2.1	Employment rate of the population aged 20-64 (%)	41.5	70	3.1	<b>4</b>		
2.2.2	Employment-to-population ratio gender gap 25+ (%)	11.3	15	83.8	_	<b>/</b>	
2.2.3	Early childhood care and education (%)	29.3	64	15.5	_		
2.3	FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)	31.9	66	30.7	<b>\</b>		
2.4	EQUALITY		64	47.3	_		
2.4.1	Gini coefficient disposable income post taxes and transfers (0-100)	43.0	64	48.9	_		
2.4.2	Income share held by the poorest quintile (%)	5.4	60	42.5	_		
3.	Environmental transition		33	57.2	_		
3.1	EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)	1.5	2	93.8	-		
3.2	BIODIVERSITY		25	69.3	_		
3.2.1	Terrestrial key biodiversity areas (KBAs) protected (%)	79.6	19	79.6	_		
3.2.2	Freshwater key biodiversity areas (KBAs) protected (%)	59.1	32	59.1	_		
3.2.3	Pesticide use per area of cropland (kg/ha)	N/A	N/A	N/A	<b>1</b>		
3.3	RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)	1.9	42	30.9	<b>↑</b>	<b>/</b>	
3.4	ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)	7.0	63	34.8	_	<b></b>	
4.	Governance transition		72	26.8	7		
4.1	FUNDAMENTAL RIGHTS		67	26.5	<b>1</b>		
4.1.1	Voice and accountability index (z-score)	(0.4)	61	34.2	<b>1</b>		
4.1.2	Rule of law index (z-score)	(0.9)	72	18.9	<b>1</b>		
4.2	SECURITY: Homicide rate (per 100,000 inhabitants)	34.5	71	1.1	_		
4.3	TRANSPARENCY		69	29.5	_		
4.3.1	Corruption perceptions index (0-100)	27.0	71	27.0	_		
4.3.2	Basel anti-money laundering index (0-10)	6.9	69	31.1	7	_~	
4.4	SOUND PUBLIC FINANCES: Government gross debt (% of GDP)	29.8	10	96.9	Ŋ		
Trancit	ion leader [75-100] Strong transition [65-75] Good transition [55-65]	Madauata tuanaitian [	IC CC!	\\/ , *******	ian [0 45		

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

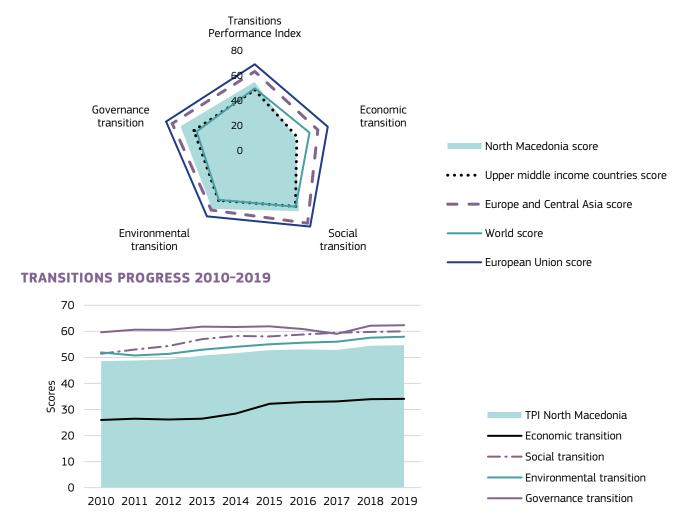
Note: Progress lines use automatic scaling.



<b>X</b> NORTH MACEDONIA			
POPULATION (million inhabitants)	2.1	GDP PER CAPITA (current PPP\$)	16 486.3
GROSS DOMESTIC PRODUCT (GDP) (billion PPP\$)	34.3	TRADE (% of GDP)	137.3
SUMMARY INNOVATION INDEX (0-100)	22.6		

2019	TPI	TRANSITIONS				
2019	IPI	ECONOMIC	SOCIAL	ENVIRONMENTAL	GOVERNANCE	
North Macedonia ranks	42	57	49	31	42	
North Macedonia score	54.7	34.1	60.0	57.9	62.3	
World weighted average score	49.7	46.1	55.8	48.9	48.8	
Upper middle income countries score	48.2	35.4	55.4	49.4	51.2	
Europe and Central Asia score	63.1	53.1	72.0	59.1	69.5	
European Union score	68.8	61.4	75.4	65.2	74.5	

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]





NO	RTH MACEDONIA		2019		2010-2019	
		VALUE	RANK	SCORE	SCO	RE PROGRESS
	ITIONS PERFORMANCE INDEX		42	54.7	7	
1.	Economic transition		57	34.1	<b>1</b>	
1.1	EDUCATION: Government expenditure in education per student (% of GDP per capita)	11.5	52	45.8	<b>↑</b>	
1.2	WEALTH: GDP per capita, current dollars (PPP\$)	16 486.3	53	22.0	<b>1</b>	
1.3	LABOUR PRODUCTIVITY & R&D INTENSITY		58	15.9	7	
1.3.1	Output per worker (2011 constant GDP PPP\$)	36 706.8	56	24.5	_	<b>~</b>
1.3.2	Gross expenditure on R&D (% of GDP)	0.4	61	7.3	<b>1</b>	
1.4	INDUSTRIAL BASE		43	42.6	<b>1</b>	
1.4.1	Gross value added of manufacturing (% of GDP)	12.9	36	42.8	<b>1</b>	<b>~</b>
1.4.2	Patent families filed in two offices (per billion PPP\$ GDP)	0.2	42	42.3	<b>1</b>	
2.	Social transition		49	60.0	<b>1</b>	
2.1	HEALTH: Healthy life expectancy at birth (years)	65.8	39	69.3	_	
2.2	WORK AND INCLUSION		59	43.9	<b>1</b>	
2.2.1	Employment rate of the population aged 20-64 (%)	56.1	57	32.2	<b>1</b>	
2.2.2	Employment-to-population ratio gender gap 25+ (%)	21.2	52	69.8	7	/
2.2.3	Early childhood care and education (%)	29.3	65	15.5	7	
2.3	FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)	48.1	49	60.2	-	_/
2.4	EQUALITY		45	62.6	<b>1</b>	
2.4.1	Gini coefficient disposable income post taxes and transfers (0-100)	34.2	34	68.4	<b>↑</b>	
2.4.2	Income share held by the poorest quintile (%)	5.6	59	45.0	<b>1</b>	
3.	Environmental transition		31	57.9	7	
3.1	EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)	6.2	26	74.0	7	
3.2	BIODIVERSITY		28	66.6	-	
3.2.1	Terrestrial key biodiversity areas (KBAs) protected (%)	23.6	64	23.6	-	
3.2.2	Freshwater key biodiversity areas (KBAs) protected (%)	93.6	7	93.6	-	
3.2.3	Pesticide use per area of cropland (kg/ha)	0.2	4	98.5	-	
3.3	RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)	1.9	40	32.2	<b>↑</b>	
3.4	ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)	11.8	33	59.0	<b>1</b>	
4.	Governance transition		42	62.3	-	<b>/</b>
4.1	FUNDAMENTAL RIGHTS		55	44.2	7	<u></u>
4.1.1	Voice and accountability index (z-score)	(0.0)	53	49.6	7	<u></u>
4.1.2	Rule of law index (z-score)	(0.3)	58	38.8	Ä	
4.2	SECURITY: Homicide rate (per 100,000 inhabitants)	1.2	30	78.2	<b>1</b>	<b>/</b>
4.3	TRANSPARENCY		34	55.5	7	
4.3.1	Corruption perceptions index (0-100)	37.0	56	37.0	$\downarrow$	
4.3.2	Basel anti-money laundering index (0-10)	3.2	4	67.8	<b>1</b>	
4.4	SOUND PUBLIC FINANCES: Government gross debt (% of GDP)	40.7	26	89.8	$\downarrow$	

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

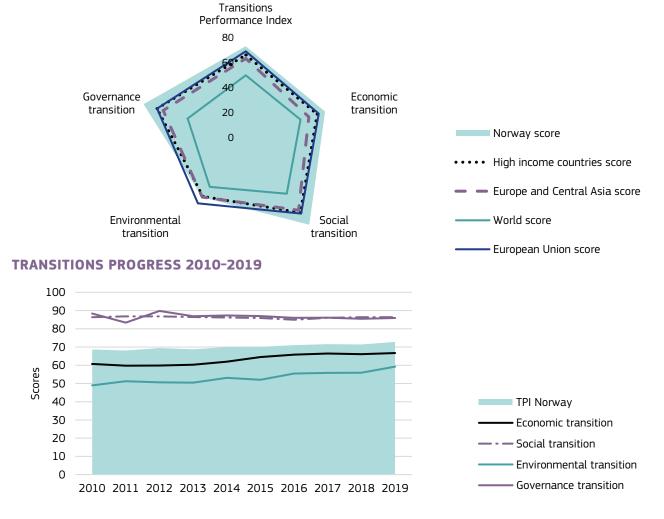
Note: Progress lines use automatic scaling.



H NORWAY			
POPULATION (million inhabitants)	5.4	GDP PER CAPITA (current PPP\$)	76 684.5
GROSS DOMESTIC PRODUCT (GDP) (billion PPP\$)	410.7	TRADE (% of GDP)	72.1
SUMMARY INNOVATION INDEX (0-100)	61.1		

2019	TPI	TRANSITIONS					
2019	IPI	ECONOMIC SOCIAL		ENVIRONMENTAL	GOVERNANCE		
Norway ranks	7	11	2	28	2		
Norway score	72.8	66.7	86.4	59.3	85.9		
World weighted average score	49.7	46.1	55.8	48.9	48.8		
High income countries score	66.0	60.0	74.4	58.4	74.5		
Europe and Central Asia score	63.1	53.1	72.0	59.1	69.5		
European Union score	68.8	61.4	75.4	65.2	74.5		

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]





NORWAY		2	2019			2010-2019		
NORWAY		VALUE	RANK	SCORE	SCO	ORE PROGRESS		
TRANS	ITIONS PERFORMANCE INDEX		7	72.8	-	<b>~~</b>		
1.	Economic transition		11	66.7	7			
1.1	EDUCATION: Government expenditure in education per student (% of GDP per capita)	18.0	23	72.2	7			
1.2	WEALTH: GDP per capita, current dollars (PPP\$)	76 684.5	1	100.0	<b>↑</b>			
1.3	LABOUR PRODUCTIVITY & R&D INTENSITY		7	64.4	<b>↑</b>			
1.3.1	Output per worker (2011 constant GDP PPP\$)	129 989.2	4	86.7	7			
1.3.2	Gross expenditure on R&D (% of GDP)	2.1	16	42.2	<b>↑</b>			
1.4	INDUSTRIAL BASE		46	40.7	7			
1.4.1	Gross value added of manufacturing (% of GDP)	6.3	67	21.0	$\downarrow$	<u></u>		
1.4.2	Patent families filed in two offices (per billion PPP\$ GDP)	1.8	20	70.1	7			
2.	Social transition		2	86.4	_			
2.1	HEALTH: Healthy life expectancy at birth (years)	71.8	11	89.4	_			
2.2	WORK AND INCLUSION		3	85.8	_			
2.2.1	Employment rate of the population aged 20-64 (%)	79.2	10	78.4	N			
2.2.2	Employment-to-population ratio gender gap 25+ (%)	7.8	4	88.8	_			
2.2.3	Early childhood care and education (%)	76.6	6	94.3	_			
2.3	FREE OR NON-REMUNERATED TIME:	62.2	7	85.9	_	~~~		
	Free or non-remunerated time (%)	02.2			_	_ \		
2.4	EQUALITY		9	84.9	71	~		
2.4.1	Gini coefficient disposable income post taxes and transfers (0-100)	27.0	7	84.4	7			
2.4.2	Income share held by the poorest quintile (%)	8.9	10	86.3	Ŋ			
3.	Environmental transition		28	59.3	<b>1</b>			
3.1	EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)	10.3	53	57.1	71			
3.2	BIODIVERSITY		32	61.7	_			
3.2.1	Terrestrial key biodiversity areas (KBAs) protected (%)	51.3	36	51.3	_			
3.2.2	Freshwater key biodiversity areas (KBAs) protected (%)	55.9	33	55.9	_			
3.2.3	Pesticide use per area of cropland (kg/ha)	0.8	14	94.1	_	<b></b>		
3.3	RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)	2.9	18	48.8	<b>↑</b>			
3.4	ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)	13.9	21	69.5	<b>1</b>	<b>/</b>		
4.	Governance transition		2	85.9	7	<b>\</b>		
4.1	FUNDAMENTAL RIGHTS		1	96.7	_			
4.1.1	Voice and accountability index (z-score)	1.7	1	95.8	_	<i></i>		
4.1.2	Rule of law index (z-score)	2.0	2	97.5	_	<b></b>		
4.2	SECURITY: Homicide rate (per 100,000 inhabitants)	0.5	6	89.4	_	<b>\</b>		
4.3	TRANSPARENCY		6	70.1	<b>4</b>			
4.3.1	Corruption perceptions index (0-100)	84.0	7	84.0	7			
4.3.2	Basel anti-money laundering index (0-10)	3.9	11	60.9	<b>4</b>			
4.4	SOUND PUBLIC FINANCES: Government gross debt (% of GDP)	40.0	24	90.3	_			
Trancii	tion leader [75-100] Strong transition [65-75] Good transition [55-65]	Madauata tuanaitian [	4F FF[	Wash tuansit	ia = [0 4]	-r		

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

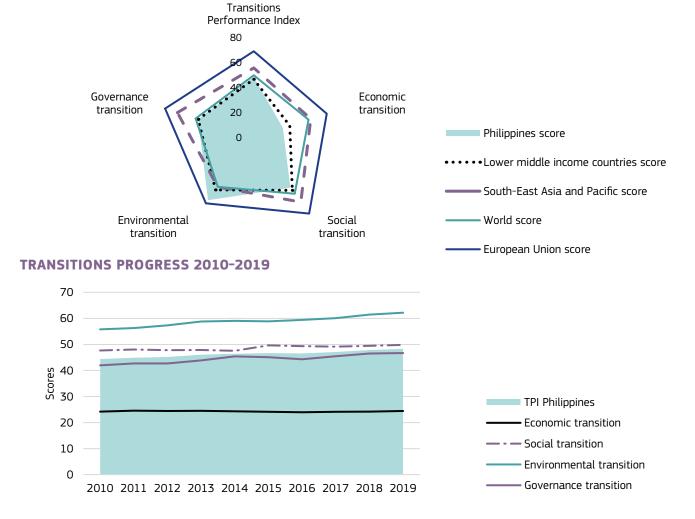
Note: Progress lines use automatic scaling.



<b>PHILIPPINES</b>			
POPULATION (million inhabitants)	108.3	GDP PER CAPITA (current PPP\$)	9 470.9
GROSS DOMESTIC PRODUCT (GDP) (billion PPP\$)	1 025.8	TRADE (% of GDP)	68.6

2019	TPI	TRANSITIONS					
2019	IPI	ECONOMIC	SOCIAL	ENVIRONMENTAL	GOVERNANCE		
Philippines ranks	54	68	63	23	62		
Philippines score	48.3	24.4	49.8	62.2	46.7		
World weighted average score	49.7	46.1	55.8	48.9	48.8		
Lower middle income countries score	46.4	30.3	52.5	52.0	46.6		
South-East Asia and Pacific score	55.6	47.9	64.0	49.0	64.1		
European Union score	68.8	61.4	75.4	65.2	74.5		

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]





PHILIPPINES			2019		2010-2019	
		VALUE	RANK	SCORE	SCORE PROGRESS	
TRANS	ITIONS PERFORMANCE INDEX		54	48.3	7	
1.	Economic transition		68	24.4	- ~~	
1.1	EDUCATION: Government expenditure in education per student (% of GDP per capita)	5.5	68	21.9	7	
1.2	WEALTH: GDP per capita, current dollars (PPP\$)	9 470.9	66	12.6	<b>↑</b>	
1.3	LABOUR PRODUCTIVITY & R&D INTENSITY		71	8.5	<b>↑</b>	
1.3.1	Output per worker (2011 constant GDP PPP\$)	20 433.0	68	13.6	<b>↑</b>	
1.3.2	Gross expenditure on R&D (% of GDP)	0.2	70	3.3	<b>↑</b>	
1.4	INDUSTRIAL BASE		39	45.5	<b>↓</b>	
1.4.1	Gross value added of manufacturing (% of GDP)	19.1	13	63.5	<b>↓</b>	
1.4.2	Patent families filed in two offices (per billion PPP\$ GDP)	0.0	63	18.5	<b>↓</b>	
2.	Social transition		63	49.8	- ~	
2.1	HEALTH: Healthy life expectancy at birth (years)	59.4	67	47.9	7	
2.2	WORK AND INCLUSION		45	59.2	<u>у</u>	
2.2.1	Employment rate of the population aged 20-64 (%)	65.7	46	51.3	-	
2.2.2	Employment-to-population ratio gender gap 25+ (%)	31.5	62	55.0	7	
2.2.3	Early childhood care and education (%)	69.9	13	83.1	<u>v</u>	
2.3	FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)	42.3	59	49.7	<u>и</u>	
2.4	EQUALITY		66	45.9	7	
2.4.1	Gini coefficient disposable income post taxes and transfers (0-100)	44.4	65	45.8	7	
2.4.2	Income share held by the poorest quintile (%)	5.7	57	46.3	<b>1</b>	
3.	Environmental transition		23	62.2	7	
3.1	EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)	1.5	3	93.6	-	
3.2	BIODIVERSITY		55	38.7	-	
3.2.1	Terrestrial key biodiversity areas (KBAs) protected (%)	40.9	43	40.9	-	
3.2.2	Freshwater key biodiversity areas (KBAs) protected (%)	36.5	44	36.5	_	
3.2.3	Pesticide use per area of cropland (kg/ha)	N/A	N/A	N/A	<b>↑</b>	
3.3	RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)	2.5	27	41.1	<b>↑</b>	
3.4	ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)	15.1	12	75.3	7	
4.	Governance transition		62	46.7	7	
4.1	FUNDAMENTAL RIGHTS		56	41.6	7	
4.1.1	Voice and accountability index (z-score)	0.0	50	51.5	-	
4.1.2	Rule of law index (z-score)	(0.5)	66	31.6	7	
4.2	SECURITY: Homicide rate (per 100,000 inhabitants)	6.5	66	44.3	<b>↑</b>	
4.3	TRANSPARENCY		57	39.5		
4.3.1	Corruption perceptions index (0-100)	36.0	57	36.0		
4.3.2	Basel anti-money laundering index (0-10)	5.8	56	41.9	-	
4.4	SOUND PUBLIC FINANCES: Government gross debt (% of GDP)	39.3	23	90.8	7	

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

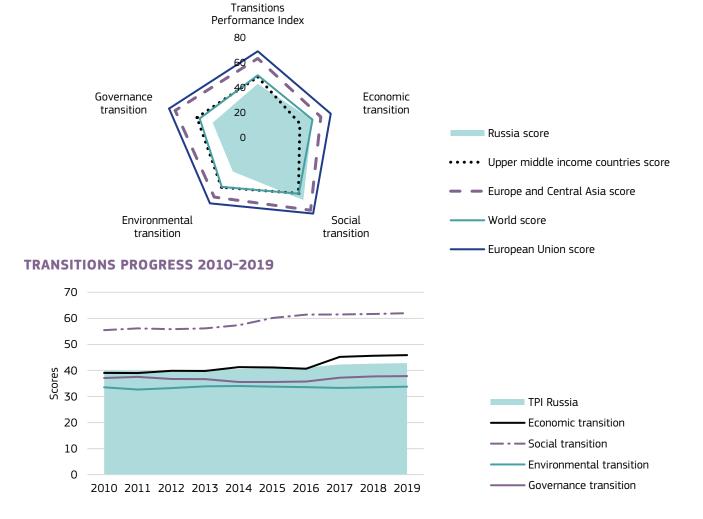
Note: Progress lines use automatic scaling.



RUSSIA			
POPULATION (million inhabitants)	146.7	GDP PER CAPITA (current PPP\$)	29 642.4
GROSS DOMESTIC PRODUCT (GDP) (billion PPP\$)	4 349.4	TRADE (% of GDP)	49.1
SUMMARY INNOVATION INDEX (0-100)	23.4		

2019	TPI	TRANSITIONS					
2019	IPI	ECONOMIC	SOCIAL	ENVIRONMENTAL	GOVERNANCE		
Russia ranks	68	40	44	69	68		
Russia score	42.9	45.9	62.0	33.8	37.9		
World weighted average score	49.7	46.1	55.8	48.9	48.8		
Upper middle income countries score	48.2	35.4	55.4	49.4	51.2		
Europe and Central Asia score	63.1	53.1	72.0	59.1	69.5		
European Union score	68.8	61.4	75.4	65.2	74.5		

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]





RUSSIA		2019			2010-2019		
		VALUE	RANK	SCORE	SC	ORE PROGRESS	
TRANS	ITIONS PERFORMANCE INDEX		68	42.9	7		
1.	Economic transition		40	45.9	<b>1</b>		
1.1	EDUCATION: Government expenditure in education per student (% of GDP per capita)	16.9	30	67.8	<b>1</b>		
1.2	WEALTH: GDP per capita, current dollars (PPP\$)	29 642.4	40	39.5	<b>1</b>		
1.3	LABOUR PRODUCTIVITY & R&D INTENSITY		41	28.7	-		
1.3.1	Output per worker (2011 constant GDP PPP\$)	52 971.5	45	35.3	7		
1.3.2	Gross expenditure on R&D (% of GDP)	1.1	34	22.1	7		
1.4	INDUSTRIAL BASE		50	39.7	7	\~~	
1.4.1	Gross value added of manufacturing (% of GDP)	12.3	39	41.0	7	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	
1.4.2	Patent families filed in two offices (per billion PPP\$ GDP)	0.2	46	37.8	7		
2.	Social transition		44	62.0	7		
2.1	HEALTH: Healthy life expectancy at birth (years)	59.1	68	47.0	<b>1</b>		
2.2	WORK AND INCLUSION		30	71.4	7		
2.2.1	Employment rate of the population aged 20-64 (%)	78.4	14	76.8	<b>1</b>		
2.2.2	Employment-to-population ratio gender gap 25+ (%)	16.8	38	75.9	7		
2.2.3	Early childhood care and education (%)	50.9	45	51.5	<b>1</b>		
2.3	FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)	54.5	32	71.8	7		
2.4	EQUALITY		46	61.8	7		
2.4.1	Gini coefficient disposable income post taxes and transfers (0-100)	37.5	50	61.1	7		
2.4.2	Income share held by the poorest quintile (%)	7.1	36	63.8	<b>1</b>		
3.	Environmental transition		69	33.8	-	<b>\</b>	
3.1	EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)	14.8	63	38.4	7		
3.2	BIODIVERSITY		51	41.6	-		
3.2.1	Terrestrial key biodiversity areas (KBAs) protected (%)	27.4	58	27.4	-		
3.2.2	Freshwater key biodiversity areas (KBAs) protected (%)	27.3	57	27.3	-		
3.2.3	Pesticide use per area of cropland (kg/ha)	0.2	4	98.5	-		
3.3	RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)	1.9	43	30.9	7	<b>\</b>	
3.4	ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)	4.8	70	24.2	-		
4.	Governance transition		68	37.9	-	~	
4.1	FUNDAMENTAL RIGHTS		71	17.6	$\downarrow$	~	
4.1.1	Voice and accountability index (z-score)	(1.1)	66	14.5	$\downarrow$		
4.1.2	Rule of law index (z-score)	(0.8)	71	20.7	7	<b>^</b>	
4.2	SECURITY: Homicide rate (per 100,000 inhabitants)	8.2	67	38.5	<b>1</b>		
4.3	TRANSPARENCY		66	36.7	7		
4.3.1	Corruption perceptions index (0-100)	28.0	68	28.0	-		
4.3.2	Basel anti-money laundering index (0-10)	5.8	55	42.5	<b>\</b>		
4.4	SOUND PUBLIC FINANCES: Government gross debt (% of GDP)	16.5	1	100.0	_	<u> </u>	
Transit	ion leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ M	Inderate transition [4	15-55[ 1	Weak transiti	ion [0-4	5[	

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

Note: Progress lines use automatic scaling.

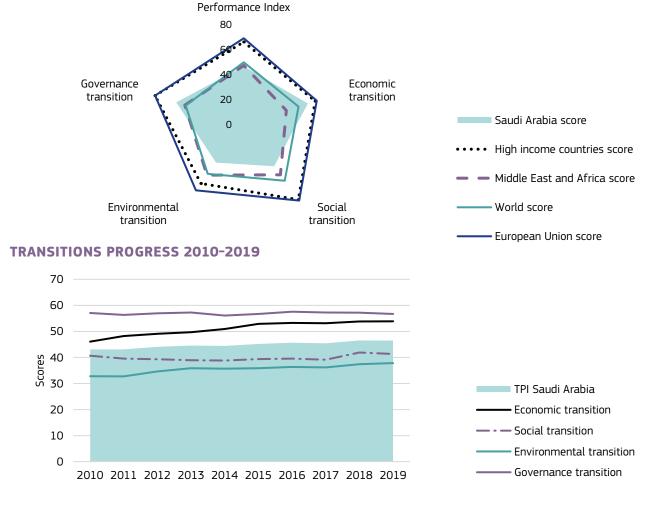


SAUDI ARABIA			
POPULATION (million inhabitants)	34.1	GDP PER CAPITA (current PPP\$)	55 704.3
GROSS DOMESTIC PRODUCT (GDP) (billion PPP\$)	1 898.5	TRADE (% of GDP)	62.2

2019	TPI	TRANSITIONS						
2019	IPI	ECONOMIC SOCIAL		ENVIRONMENTAL	GOVERNANCE			
Saudi Arabia ranks	60	30	69	65	49			
Saudi Arabia score	46.5	53.9	41.3	37.8	56.7			
World weighted average score	49.7	46.1	55.8	48.9	48.8			
High income countries score	66.0	60.0	74.4	58.4	74.5			
Middle East and Africa score	47.1	35.9	49.9	50.2	49.6			
European Union score	68.8	61.4	75.4	65.2	74.5			

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

Transitions





SAUDI ARABIA		2	2019		2010-2019	
		VALUE	RANK	SCORE	SC	ORE PROGRESS
TRANS	ITIONS PERFORMANCE INDEX		60	46.5	7	
1.	Economic transition		30	53.9	<b>1</b>	
1.1	EDUCATION: Government expenditure in education per student (% of GDP per capita)	14.6	41	58.5	<b>1</b>	
1.2	WEALTH: GDP per capita, current dollars (PPP\$)	55 704.3	10	74.3	<b>1</b>	
1.3	LABOUR PRODUCTIVITY & R&D INTENSITY		20	48.9	Z	~
1.3.1	Output per worker (2011 constant GDP PPP\$)	122 167.2	5	81.4	7	~
1.3.2	Gross expenditure on R&D (% of GDP)	0.8	45	16.3	7	
1.4	INDUSTRIAL BASE		51	39.0	<b>1</b>	
1.4.1	Gross value added of manufacturing (% of GDP)	12.8	37	42.7	<b>1</b>	
1.4.2	Patent families filed in two offices (per billion PPP\$ GDP)	0.1	51	33.4	<b>1</b>	
2.	Social transition		69	41.3	_	
2.1	HEALTH: Healthy life expectancy at birth (years)	65.5	40	68.3	_	
2.2	WORK AND INCLUSION		69	18.0	7	\
2.2.1	Employment rate of the population aged 20-64 (%)	58.9	55	37.7	<b>4</b>	<u></u>
2.2.2	Employment-to-population ratio gender gap 25+ (%)	64.9	72	7.3	<b>1</b>	
2.2.3	Early childhood care and education (%)	14.1	68	0.0	7	
2.3	FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)	41.2	61	47.6	7	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
2.4	EQUALITY		69	31.8	_	
2.4.1	Gini coefficient disposable income post taxes and transfers (0-100)	45.9	68	42.4	_	
2.4.2	Income share held by the poorest quintile (%)	1.7	72	0.0	7	
<b>3</b> .	Environmental transition		65	37.8	<b>1</b>	
3.1	EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)	15.0	64	37.4	<b>↑</b>	
3.2	BIODIVERSITY		62	34.2	7	
3.2.1	Terrestrial key biodiversity areas (KBAs) protected (%)	23.1	65	23.1	_	
3.2.2	Freshwater key biodiversity areas (KBAs) protected (%)	17.7	61	17.7	_	
3.2.3	Pesticide use per area of cropland (kg/ha)	1.5	23	89.3	7	
3.3	RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)	2.3	29	38.5	<b>↑</b>	
3.4	ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)	8.3	56	41.4	7	<b>/</b>
4.	Governance transition		49	56.7	7	<b>\\\</b>
4.1	FUNDAMENTAL RIGHTS		64	30.3	-	~~~
4.1.1	Voice and accountability index (z-score)	(1.6)	72	5.0	<b>1</b>	
4.1.2	Rule of law index (z-score)	0.1	43	55.6	7	<b>~</b>
4.2	SECURITY: Homicide rate (per 100,000 inhabitants)	1.3	34	77.3	-	
4.3	TRANSPARENCY		46	48.0	7	
4.3.1	Corruption perceptions index (0-100)	49.0	38	49.0	7	
4.3.2	Basel anti-money laundering index (0-10)	5.3	50	47.4	$\downarrow$	
4.4	SOUND PUBLIC FINANCES: Government gross debt (% of GDP)	23.2	1	100.0	_	
T	.	the transfer of the	45 555			

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

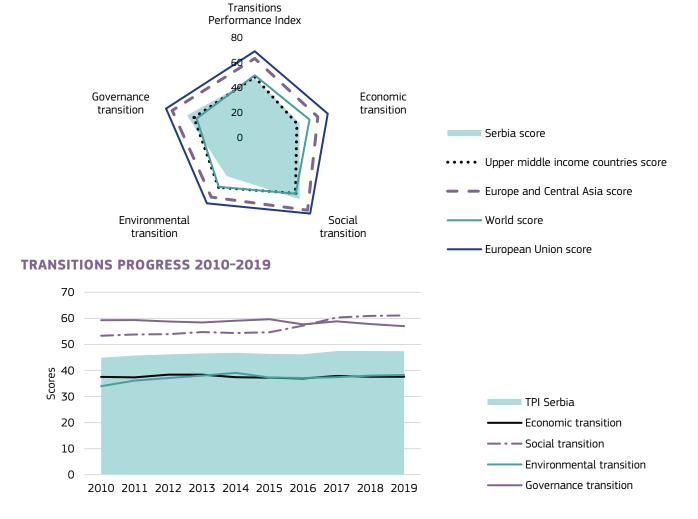
Note: Progress lines use automatic scaling.



<b>SERBIA</b>			
POPULATION (million inhabitants)	7.0	GDP PER CAPITA (current PPP\$)	18 564.5
GROSS DOMESTIC PRODUCT (GDP) (billion PPP\$)	129.3	TRADE (% of GDP)	112.6
SUMMARY INNOVATION INDEX (0-100)	31.3		

2019	TPI	TRANSITIONS					
2019	IPI	ECONOMIC SOCIAL		ENVIRONMENTAL	GOVERNANCE		
Serbia ranks	58	53	46	64	48		
Serbia score	47.4	37.6	61.1	38.2	57.0		
World weighted average score	49.7	46.1	55.8	48.9	48.8		
Upper middle income countries score	48.2	35.4	55.4	49.4	51.2		
Europe and Central Asia score	63.1	53.1	72.0	59.1	69.5		
European Union score	68.8	61.4	75.4	65.2	74.5		

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]





TRANSITIONS PERFORMANCE INDEX   50   47.4   -	SERBIA			2019	2010-2019	
ECONOMIC transition   13   37.6   -			VALUE	RANK	SCORE	SCORE PROGRESS
EDUCATION: Government expenditure in education per student	TRANS	ITIONS PERFORMANCE INDEX		58	47.4	-
11	1.	Economic transition		53	37.6	
1.3 LABOUR PRODUCTIVITY & R&D INTENSITY  1.3.1 Output per worker (2011 constant GDP PPP\$)  1.3.2 Gross expenditure on R&D (% of GDP)  1.3.3 Gross expenditure on R&D (% of GDP)  1.4 INDUSTRIAL BASE  1.4 INDUSTRIAL BASE  1.4 INDUSTRIAL BASE  1.4 INDUSTRIAL BASE  1.5 Social transition  1.6 GE1.1  1.7 Social transition  1.7 Social transition  1.8 FRED OR NON-REMUNEATION (%)  2.1 HEALTH: Healthy life expectancy at birth (years)  2.2 WORK AND INCLUSION  2.2.1 Employment rate of the population aged 20-64 (%)  2.2.2 Employment-to-population ratio gender gap 25+ (%)  2.2.2 Employment-to-population ratio gender gap 25+ (%)  2.3 FREE OR NON-REMUNEATED TIME:  Free or non-remunerated time (%)  2.4 EQUALITY  2.5 Gross where held by the poorest quintile (%)  3. Environmental transition  3. Emilian Emilian Emilian (9-10)  3. Emilian	1.1	·	13.0	48	52.2	<u>и</u>
1.3.1 Output per worker (2011 constant GDP PPPS) 1.3.2 Gross expenditure on R&D (% of GDP) 1.3.3 1 45.7 1.4.1 MNDUSTRIAL BASE 1.4.1 Gross value added of manufacturing (% of GDP) 1.3.7 31 45.7 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 1.4.2 Employment rate of the population aged 20-64 (%) 1.4.2 Employment rate of the population aged 20-64 (%) 1.4.3 Employment rate of the population aged 20-64 (%) 1.4.4 Employment rate of the population aged 20-64 (%) 1.4.5 Employment rate of the population aged 20-64 (%) 1.4.7 Exployer for the population aged 20-64 (%) 1.4.7 Exployer for the population aged 20-64 (%) 1.4.7 Exployer for the population aged 20-64 (%) 1.4.8 Exployer for the population aged 20-64 (%) 1.4.1 On the population ratio gender gap 25+ (%) 1.4.2 Equivalent transition 1.4.4 Evaluation of the population aged 20-64 (%) 1.4.5 Equivalent transition 1.4.6 Equivalent transition 1.5 Emvironmental transition 1.5 Environmental transition 1.6 Evaluation of the population aged 20-64 (%) 1.5 Evaluation of the population aged 20-64 (%) 1.6 Evaluation of the population aged 20-64 (%) 1.6 Evaluation of the population aged 20-64 (%) 1.6 Evaluation of the population aged 20-64 (%) 1.5 Evaluation of the population aged 20-64 (%) 1.5 Evaluation of the population aged 20-64 (%) 1.5 Evaluation of the population aged 20-64 (%) 1.6 Evaluation of the population aged 20-64 (%) 1.7 Evaluation of the population aged	1.2	WEALTH: GDP per capita, current dollars (PPP\$)	18 564.5	51	24.8	↑
1.3.2 Gross expenditure on R&D (% of GDP)  1.4 INDUSTRIAL BASE  1.4.1 Gross value added of manufacturing (% of GDP)  1.3.7 31 45.7 ↓  1.4.2 Patent families filed in two offices (per billion PPPS GDP)  2.1 Social transition  2.1 HEALTH: Healthy life expectancy at birth (years)  2.2 WORK AND INCLUSION  2.2.1 Employment rate of the population aged 20-64 (%)  2.2.2 Employment rate of the population aged 22+ (%)  2.2.3 Early childhood care and education (%)  2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  2.4 EQUALITY  2.5 Gini coefficient disposable income post taxes and transfers (0-100)  2.4.2 Icomes share held by the poorest quintile (%)  3. Environmental transition  4. Gini comes per capita)  3. Environmental transition  4. Get 38.2 7  3.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.2 BIODIVERSITY  3.3.3 Pesticide use per area of cropland (kg/ha)  3.4 ENERGY PRODUCTIVITY: Rengry productivity (PPPS per koe)  4. Governance transition  4. Sex	1.3	LABOUR PRODUCTIVITY & R&D INTENSITY		48	22.9	1
1.4 INDUSTRIAL BASE 1.4.1 Gross value added of manufacturing (% of GDP) 1.3.7 31 45.7 ↓ 1.4.2 Patent familities filed in two offices (per billion PPPS GDP) 2. Social transition 2.1 HEALTH: Healthy life expectancy at birth (years) 2.2 WORK AND INCLUSION 2.2 WORK AND INCLUSION 3.5 Employment rate of the population aged 20-64 (%) 3.6 ENTRY of thildhood care and education (%) 3.7 77.1 − 3.8 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%) 3.6 EQUALITY 3.6 Gini coefficient disposable income post taxes and transfers (Gini coefficient disposable income post taxes and	1.3.1	Output per worker (2011 constant GDP PPP\$)	41 148.1	53	27.4	- /
1.4.1 Gross value added of manufacturing (% of GDP) 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 2. Social transition 2.1 HEALTH: Healthy life expectancy at birth (years) 3.2 WORK AND INCLUSION 3.2.2 WORK AND INCLUSION 4.4 55.4 42 68.0 - 3.2.2 Employment rate of the population aged 20-64 (%) 3.2.2 Employment-to-population ratio gender gap 25+ (%) 3.2.3 Early childhood care and education (%) 3.4 54 41.1 ↑  2.5 FREE OR NON-REMUNERATED TIME: 3.6 FREE OR NON-REMUNERATED TIME: 3.7 FREE OR NON-REMUNERATED TIME: 3.8 FREE OR NON-REMUNERATED TIME: 3.9 FREE OR NON-REMUNERATED TIME: 3.0 Equality 3.1 Gini coefficient disposable income post taxes and transfers (not officient disposable	1.3.2	Gross expenditure on R&D (% of GDP)	0.9	39	18.4	1
1.4.2 Patent families filed in two offices (per billion PPPS GDP) 2. Social transition 46 61.1 ↑ 2.1 HEALTH: Healthy life expectancy at birth (years) 5.4 42 68.0 − 2.2 WORK AND INCLUSION 49 57.5 ↑ 2.2.1 Employment rate of the population aged 20-64 (%) 5.2.2 Employment-to-population ratio gender gap 25+ (%) 5.2.3 Early childhood care and education (%) 44.7 54 41.1 ↑ 2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%) 5.4 EQUALITY 5.5 3 58.0 ↑ 2.4.1 Gini coefficient disposable income post taxes and transfers (0-100) 5.2 63 40.0 ↑ 3. Environmental transition 5.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3.2 BIODIVERSITY 6.6 30.5 ⊅ 3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.2.3 Pesticide use per area of cropland (kg/ha) 3.4 ENERGY PRODUCTIVITY: Resource productivity (PPPS per koe) 4. Governance transition 4. Governance transition 4.1 FUNDAMENTAL RIGHTS 4.1 Voice and accountability index (z-score) 4.1 Rule of law index (z-score) 4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 5. Corruption perceptions index (0-100) 5. Social transition table for index (d-score) 5. Governance transition table for index (d-score) 5. Governance transition 6.1 Social transition table for index (d-score) 6.2 37.6 ↓ 6.3 TRANSPARENCY 6.2 37.6 ↓ 6.3 38.0 ↓ 6.4 TRANSPARENCY 6.2 37.6 ↓ 6.3 38.0 ↓ 6.3 38.0 ↓ 6.4 TRANSPARENCY 6.2 37.6 ↓ 6.3 38.0 ↓ 6.3 38.0 ↓ 6.4 TRANSPARENCY 6.2 37.6 ↓ 6.3 38.0 ↓ 6.3 3	1.4	INDUSTRIAL BASE		45	41.4	7 \\
2. Social transition  2.1 HEALTH: Healthy life expectancy at birth (years)  2.2 WORK AND INCLUSION  2.2.1 Employment rate of the population aged 20-64 (%)  2.2.2 Employment-to-population ratio gender gap 25+ (%)  2.2.2 Employment-to-population ratio gender gap 25+ (%)  2.2.3 Early childhood care and education (%)  44.7 54  41.1 ↑  2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  2.4 EQUALITY  2.5 Gint coefficient disposable income post taxes and transfers (0-100)  2.4.1 Gint coefficient disposable income post taxes and transfers (0-100)  3. Environmental transition  64  38.2  3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3.2 BIODIVERSITY  66  30.5 A  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.3 Pesticide use per area of cropland (kg/ha)  3.1 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per kg)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  4.1 Governance transition  4.1 FUNDAMENTAL RIGHTS  4.2 TAXASSARENCY  4.3 TRANSPARENCY  62  37.6 ↓  43.1 Corruption perceptions index (0-100)  43.2 Basel anti-money laundering index (0-100)  45.2 Basel anti-money laundering index (0-100)  45.3 Basel anti-money laundering index (0-100)  46.5 65.3 65.	1.4.1	Gross value added of manufacturing (% of GDP)	13.7	31	45.7	<b>V</b>
2.1 HEALTH: Healthy life expectancy at birth (years) 2.2 WORK AND INCLUSION 49 57.5 ↑  2.2.1 Employment rate of the population aged 20-64 (%) 2.2.2 Employment-to-population ratio gender gap 25+ (%) 2.2.3 Early childhood care and education (%) 44.7 54 41.1 ↑  FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%) 2.4 EQUALITY 53 58.0 ↑  2.4.1 (Gini coefficient disposable income post taxes and transfers (0-100) 2.4.2 Income share held by the poorest quintile (%) 5. Environmental transition 64 38.2  3.1 (Emissions REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3.2 BIODIVERSITY 66 30.5 ⊅ 3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per kg) 3.4 ENERGY PRODUCTIVITY: Resource productivity (PPPS per koe) 4.1 Governance transition 4.1 FUNDAMENTAL RIGHTS 4.1.1 Voice and accountability index (2-score) 4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 4.3 TRANSPARENCY 4.3 TRANSPARENCY 5.4 4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 5.5 4.5 4.5 5.6 5.6 5.7 5.9 5.0 4.1 5.1 5.1 5.1 5.1 5.1 5.1 5.1 5.1 5.1 5	1.4.2	Patent families filed in two offices (per billion PPP\$ GDP)	0.1	49	35.0	- \
2.2 WORK AND INCLUSION  2.2.1 Employment rate of the population aged 20-64 (%)  2.2.2 Employment-to-population ratio gender gap 25+ (%)  2.2.3 Early childhood care and education (%)  2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  2.4 EQUALITY  2.5 Gini coefficient disposable income post taxes and transfers (36.2 46 64.0 ↑  2.4.1 (Gini coefficient disposable income post taxes and transfers (36.2 46 64.0 ↑  2.4.2 Income share held by the poorest quintile (%)  3. Environmental transition  3. EMISSIONS REDUCTION: Gross greenhouse gas emissions (3.1 tennes per capita)  3.2 BIODIVERSITY  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.2.3 Pesticide use per area of cropland (kg/ha)  3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per kg)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  4.1 Governance transition  4.1 FUNDAMENTAL RIGHTS  5.2 44.2  4.3 TRANSPARENCY  6.2 37.6  4.3 TRANSPARENCY  6.3 3.9 3.9 52 39.0  4.3 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  4.3.2 Basel anti-money laundering index (0-100)  4.3.2 Basel anti-money laundering index (0-100)	2.	Social transition		46	61.1	1
2.2.1 Employment rate of the population aged 20-64 (%) 2.2.2 Employment-to-population ratio gender gap 25+ (%) 2.2.3 Early childhood care and education (%) 44.7 54 41.1 ↑  2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%) 2.4 EQUALITY 2.4.1 Gini coefficient disposable income post taxes and transfers (0-100) 2.4.2 Income share held by the poorest quintile (%) 3. Environmental transition 4. Evaluation transition transition 4. Evaluation transition tra	2.1	HEALTH: Healthy life expectancy at birth (years)	65.4	42	68.0	-
2.2.2 Employment-to-population ratio gender gap 25+ (%) 2.2.3 Early childhood care and education (%) 44.7 54 41.1 ↑  2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%) 2.4 EQUALITY 53 58.0 ↑  2.4.1 Gini coefficient disposable income post taxes and transfers (0-100) 2.4.2 Income share held by the poorest quintile (%) 5.2 63 40.0 ↑  3. Environmental transition 64 38.2 7  3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3.2 BIODIVERSITY 66 30.5 7  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.2.3 Pesticide use per area of cropland (kg/ha)  3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per kg) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per kg) 4. Governance transition 48 57.0  4.1 FUNDAMENTAL RIGHTS 5.0 47.1 \$\frac{1}{2}\$ 4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 1.2 32 77.8 -  4.3 TRANSPARENCY 4.3.1 Corruption perceptions index (0-100) 39.0 52 39.0 -  4.3.2 Basel anti-money laundering index (0-100) 4.3.2 Basel anti-money laundering index (0-100) 4.3.2 Basel anti-money laundering index (0-100)	2.2	WORK AND INCLUSION		49	57.5	<b>↑</b>
2.2.3 Early childhood care and education (%)	2.2.1	Employment rate of the population aged 20-64 (%)	63.1	50	46.2	<b>↑</b>
2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  2.4 EQUALITY  5.5 58.0 ↑  2.4.1 Gini coefficient disposable income post taxes and transfers (0-100)  2.4.2 Income share held by the poorest quintile (%)  5. Environmental transition  6. 38.2  3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3.2 BIODIVERSITY  6. 30.5 57  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.2.3 Pesticide use per area of cropland (kg/ha)  3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per koe)  4. Governance transition  4. Governance transition  4. Governance transition  4. FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.3 TRANSPARENCY  4.3 TRANSPARENCY  4.3 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  4.3.2 Basel anti-money laundering index (0-100)  6.3 65 36.7	2.2.2	Employment-to-population ratio gender gap 25+ (%)	16.0	37	77.1	- /
2.4 EQUALITY 2.4.1 Gini coefficient disposable income post taxes and transfers (0-100) 2.4.2 Income share held by the poorest quintile (%) 3. Environmental transition 3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3.2 BIODIVERSITY 3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.2.3 Pesticide use per area of cropland (kg/ha) 3.2 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per kg) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 4. Governance transition 4. Governance transition 4. I FUNDAMENTAL RIGHTS 4.1.1 Voice and accountability index (z-score) 4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 4.3 TRANSPARENCY 4.3 TRANSPARENCY 4.3 Basel anti-money laundering index (0-100) 4.3.2 Basel anti-money laundering index (0-100) 5. 3 36.2 46 64.0 ↑ 64. 64.0 ↑ 66.4 □ ↑ 66.5 □ ↑ 66.	2.2.3	Early childhood care and education (%)	44.7	54	41.1	1
2.4.1 Gini coefficient disposable income post taxes and transfers (0-100) 2.4.2 Income share held by the poorest quintile (%)  3. Environmental transition  3. EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3.2 BIODIVERSITY  5.2 63 40.0  4. Governance transition  8.1 40 66.4  7.   8.1 40 66.4  7.   8.2 Freshwater key biodiversity areas (KBAs) protected (%) 31.5 54 31.5  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 31.5 54 31.5  3.2.3 Pesticide use per area of cropland (kg/ha)  8.1 N/A N/A N/A N/A  8.2 N/A N/A N/A N/A  1.1 65 18.1  1.2 52 18.1  4.3 Governance transition  4.4 Governance transition  4.5 Governance transition  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  1.2 32 77.8  4.3 TRANSPARENCY  4.3 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  39.0 52 39.0  4.3.2 Basel anti-money laundering index (0-100)  6.3 65 36.7	2.3		48.8	45	61.5	<b>↑</b>
2.4.1 (0-100) 2.4.2 Income share held by the poorest quintile (%) 5.2 63 40.0 ↑  3.1 ENISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3.2 BIODIVERSITY 66 30.5 7  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 29.5 57 29.5 ↑  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 31.5 54 31.5 -  3.2.3 Pesticide use per area of cropland (kg/ha) N/A N/A N/A N/A N/A  3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per koe) 7.6 60 38.0 ↑  4. Governance transition 4. FUNDAMENTAL RIGHTS 4.1.1 Voice and accountability index (z-score) 4.1.2 Rule of law index (z-score) 4.2 SECURITY: Hornicide rate (per 100,000 inhabitants) 1.2 32 77.8 -  4.3 TRANSPARENCY 62 37.6 ↓  4.3.1 Corruption perceptions index (0-100) 4.3.2 Basel anti-money laundering index (0-100) 6.3 65 36.7 ↓	2.4	EQUALITY		53	58.0	↑ <b></b>
S.       Environmental transition       64       38.2       A         3.1       EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)       8.1       40       66.4       A         3.2       BIODIVERSITY       66       30.5       A         3.2.1       Terrestrial key biodiversity areas (KBAs) protected (%)       29.5       57       29.5       ↑         3.2.2       Freshwater key biodiversity areas (KBAs) protected (%)       31.5       54       31.5       -         3.2.3       Pesticide use per area of cropland (kg/ha)       N/A	2.4.1		36.2	46	64.0	<b>↑</b>
3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3.2 BIODIVERSITY 5.2 BIODIVERSITY 6.6 30.5 3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.2.3 Pesticide use per area of cropland (kg/ha) 3.4 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per kg) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 4. Governance transition 4.1 FUNDAMENTAL RIGHTS 4.1.1 Voice and accountability index (z-score) 4.1.2 Rule of law index (z-score) 4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 4.3 TRANSPARENCY 4.3.1 Corruption perceptions index (0-100) 4.3.2 Basel anti-money laundering index (0-101) 6.3 65 36.7	2.4.2	Income share held by the poorest quintile (%)	5.2	63	40.0	<b>↑</b>
S.1	3.	Environmental transition		64	38.2	7
3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.1.5 54 31.5 - 3.2.3 Pesticide use per area of cropland (kg/ha) N/A N/A N/A N/A  3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe) 7.6 60 38.0 ↑ 4. Governance transition 4.1 FUNDAMENTAL RIGHTS 50 47.1 4.1.1 Voice and accountability index (z-score) 4.1.2 Rule of law index (z-score) 4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 1.2 32 77.8 4.3 TRANSPARENCY 62 37.6 4.3.1 Corruption perceptions index (0-100) 39.0 52 39.0 4.3.2 Basel anti-money laundering index (0-10) 6.3 65 36.7	3.1		8.1	40	66.4	7
3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.2.3 Pesticide use per area of cropland (kg/ha)  3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPPŞ per kg)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPŞ per koe)  4. Governance transition  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  4.3.2 Basel anti-money laundering index (0-10)  31.5 54  31.5 -  31.7 -  32.0 -  33.0 -  34.2 -  34.2 -  34.2 -  35.3 -  35.3 -  36.7 -  37.6 -  39.0 -	3.2	BIODIVERSITY		66	30.5	7
3.2.3 Pesticide use per area of cropland (kg/ha)  N/A N/A N/A N/A  N/A N/A N/A  N/A N/A N/A  N/A N/A N/A  N/A N/A N/A  N/A N/A N/A  N/A N/A N/A  N/A N/A N/A  N/A N/A N/A  N/A N/A N/A  N/A N/A N/A  N/A N/A N/A  N/A N/A  N/A N/A  N/A N/A  N/A N/A  N/A N/A  N/A N/A  N/A N/A  N/A N/A  N/A N/A  N/A N/A  N/A N/A  N/A N/A  N/A	3.2.1	Terrestrial key biodiversity areas (KBAs) protected (%)	29.5	57	29.5	↑
3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)  4. Governance transition  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  4.3.2 Basel anti-money laundering index (0-10)  3.5 18.1  ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑	3.2.2	Freshwater key biodiversity areas (KBAs) protected (%)	31.5	54	31.5	-
3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)  4. Governance transition  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  4.3.2 Basel anti-money laundering index (0-10)  5.5 18.1  7.6 60  38.0  ↑  4.7 1  9  4.7 1  9  4.7 1  9  4.7 1  9  4.7 1  9  4.7 1  9  4.7 1  9  4.8 57.0  4.9 1  4.0 2  4.1 1  4.1 1  4.1 1  4.2 1  4.3 2 32  4.3 2 77.8  4.3 1  4.3 1 Corruption perceptions index (0-100)  4.3 2 6.3 65  4.3 36.7 ↓  4.3 1 6.3 65	3.2.3	Pesticide use per area of cropland (kg/ha)	N/A	N/A	N/A	<b>↑</b>
4. Governance transition  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  4.3.2 Basel anti-money laundering index (0-10)  4.5.7 Security index (10-10)  4.6.7 Security index (10-10)  4.7.1 S	3.3		1.1	65	18.1	<b>↑</b>
4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  4.3.2 Basel anti-money laundering index (0-10)  50 47.1 ★  47.1 ★  47.1 ★  47.1 ★  47.1 ★  48.2 ★  47.3 ★  48.3 TRANSPARENCY  49.3 ★  40.4 ★  40.4 ★  40.5 ★  41.5 ★  41.6 ★  42.7 ★  43.6 ★  43.7 ★  43.1 ★	3.4	ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)	7.6	60	38.0	↑ <b>/</b>
4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  4.3.2 Basel anti-money laundering index (0-10)  6.3 65 36.7     50.1    4.4.2   ↑  4.4.2   ↑  4.3.2 SECURITY: Homicide rate (per 100,000 inhabitants)  1.2 32 77.8   62 37.6   ↓  4.3.1 Corruption perceptions index (0-100)  6.3 65 36.7   ↓	4.	Governance transition		48	57.0	<u>и</u> и
4.1.2 Rule of law index (z-score) (0.1) 52 44.2 ↑ 4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 1.2 32 77.8 − 4.3 TRANSPARENCY 62 37.6 ↓ 4.3.1 Corruption perceptions index (0-100) 39.0 52 39.0 − 4.3.2 Basel anti-money laundering index (0-10) 6.3 65 36.7 ↓	4.1	FUNDAMENTAL RIGHTS		50	47.1	7 V
4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  1.2 32 77.8 −  4.3 TRANSPARENCY  62 37.6  4.3.1 Corruption perceptions index (0-100)  39.0 52 39.0 −  4.3.2 Basel anti-money laundering index (0-10)  6.3 65 36.7    □	4.1.1	Voice and accountability index (z-score)	0.0	51	50.1	<b>\</b>
4.3       TRANSPARENCY       62       37.6       ↓         4.3.1       Corruption perceptions index (0-100)       39.0       52       39.0       -         4.3.2       Basel anti-money laundering index (0-10)       6.3       65       36.7       ↓	4.1.2	Rule of law index (z-score)	(0.1)	52	44.2	<b>↑</b>
4.3.1 Corruption perceptions index (0-100) 39.0 52 39.0 − 4.3.2 Basel anti-money laundering index (0-10) 6.3 65 36.7 ↓	4.2	SECURITY: Homicide rate (per 100,000 inhabitants)	1.2	32	77.8	
4.3.2 Basel anti-money laundering index (0-10) 6.3 65 36.7	4.3	TRANSPARENCY		62	37.6	<b>V</b>
	4.3.1	Corruption perceptions index (0-100)	39.0	52	39.0	
4.4 SOUND PUBLIC FINANCES: Government gross debt (% of GDP) 52.7 37 82.1	4.3.2	Basel anti-money laundering index (0-10)	6.3	65	36.7	<b>V</b>
	4.4	SOUND PUBLIC FINANCES: Government gross debt (% of GDP)	52.7	37	82.1	<u>и</u>

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

Note: Progress lines use automatic scaling.

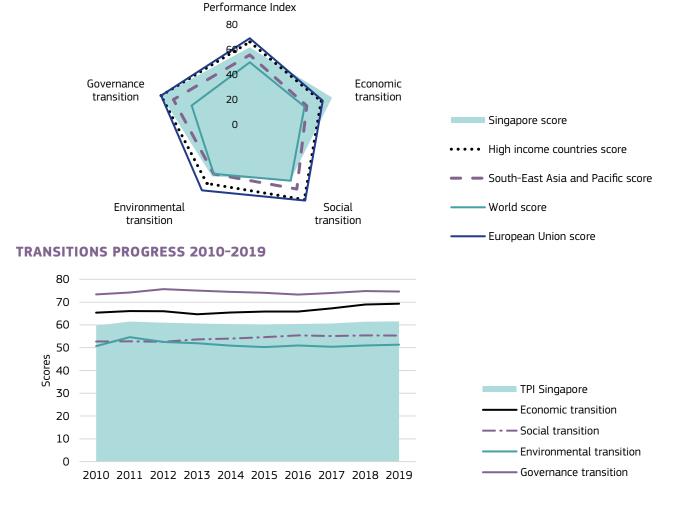


SINGAPORE			
POPULATION (million inhabitants)	5.7	GDP PER CAPITA (current PPP\$)	103 181.2
GROSS DOMESTIC PRODUCT (GDP) (billion PPP\$)	585.1	TRADE (% of GDP)	319.1

2019	TPI	TRANSITIONS					
2019	IPI	ECONOMIC SOCIAL		ENVIRONMENTAL	GOVERNANCE		
Singapore ranks	32	7	56	45	21		
Singapore score	61.6	69.3	55.3	51.3	74.7		
World weighted average score	49.7	46.1	55.8	48.9	48.8		
High income countries score	66.0	60.0	74.4	58.4	74.5		
South-East Asia and Pacific score	55.6	47.9	64.0	49.0	64.1		
European Union score	68.8	61.4	75.4	65.2	74.5		

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

Transitions





SINGAPORE		2	2019	2010-2019	
		VALUE	RANK	SCORE	SCORE PROGRESS
TRANS	ITIONS PERFORMANCE INDEX		32	61.6	- /
1.	Economic transition		7	69.3	-
1.1	EDUCATION: Government expenditure in education per student (% of GDP per capita)	11.8	51	47.1	7
1.2	WEALTH: GDP per capita, current dollars (PPP\$)	103 181.2	1	100.0	-
1.3	LABOUR PRODUCTIVITY & R&D INTENSITY		1	71.7	1
1.3.1	Output per worker (2011 constant GDP PPP\$)	151 522.0	1	100.0	1
1.3.2	Gross expenditure on R&D (% of GDP)	2.2	13	43.3	7
1.4	INDUSTRIAL BASE		7	69.4	-
1.4.1	Gross value added of manufacturing (% of GDP)	20.8	8	69.4	-
1.4.2	Patent families filed in two offices (per billion PPP\$ GDP)	1.7	22	69.5	-
2.	Social transition		56	55.3	-
2.1	HEALTH: Healthy life expectancy at birth (years)	74.7	1	98.9	-
2.2	WORK AND INCLUSION		56	51.9	
2.2.1	Employment rate of the population aged 20-64 (%)	49.7	61	19.5	<b>V</b>
2.2.2	Employment-to-population ratio gender gap 25+ (%)	17.9	44	74.4	7
2.2.3	Early childhood care and education (%)	63.0	22	71.7	_
2.3	FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)	31.4	68	29.7	- ~
2.4	EQUALITY		68	40.8	
2.4.1	Gini coefficient disposable income post taxes and transfers (0-100)	45.9	68	42.4	7
2.4.2	Income share held by the poorest quintile (%)	4.9	68	36.0	7
<b>3</b> .	Environmental transition		45	51.3	- /
3.1	EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)	9.6	50	59.9	-
3.2	BIODIVERSITY		70	21.1	_
3.2.1	Terrestrial key biodiversity areas (KBAs) protected (%)	21.1	67	21.1	_
3.2.2	Freshwater key biodiversity areas (KBAs) protected (%)	N/A	N/A	N/A	<b>↑</b>
3.2.3	Pesticide use per area of cropland (kg/ha)	N/A	N/A	N/A	<b>↑</b>
3.3	RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)	3.1	17	52.4	<b>↑</b>
3.4	ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)	14.4	17	71.9	<b>↓</b>
4.	Governance transition		21	74.7	- /
4.1	FUNDAMENTAL RIGHTS		34	72.2	- /
4.1.1	Voice and accountability index (z-score)	(0.1)	55	47.6	1
4.1.2	Rule of law index (z-score)	1.8	7	96.7	- /
4.2	SECURITY: Homicide rate (per 100,000 inhabitants)	0.2	1	96.0	- /
4.3	TRANSPARENCY		9	66.5	٧ لا
4.3.1	Corruption perceptions index (0-100)	85.0	3	85.0	<u>и</u> и
4.3.2	Basel anti-money laundering index (0-10)	4.6	29	54.2	<u>и</u> и
4.4	SOUND PUBLIC FINANCES: Government gross debt (% of GDP)	114.1	68	42.5	<b>V</b>
	tion loader [75, 100] Strong transition [65, 75] Conditransition [55, 65]	A 4 1 1 1 1 1 1 1 1 1			

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

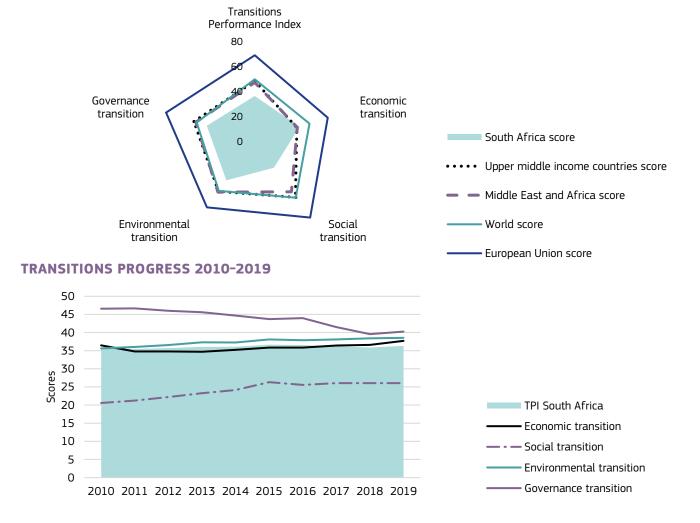
Note: Progress lines use automatic scaling.



> SOUTH AFRICA			
POPULATION (million inhabitants)	58.8	GDP PER CAPITA (current PPP\$)	13 753.8
GROSS DOMESTIC PRODUCT (GDP) (billion PPP\$)	809.0	TRADE (% of GDP)	59.2
SUMMARY INNOVATION INDEX (0-100)	17.9		

2019	TPI	TRANSITIONS					
2019	IPI	ECONOMIC SOCIAL		ENVIRONMENTAL	GOVERNANCE		
South Africa ranks	71	52	72	63	66		
South Africa score	36.3	37.7	26.0	38.5	40.3		
World weighted average score	49.7	46.1	55.8	48.9	48.8		
Upper middle income countries score	48.2	35.4	55.4	49.4	51.2		
Middle East and Africa score	47.1	35.9	49.9	50.2	49.6		
European Union score	68.8	61.4	75.4	65.2	74.5		

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]





TRANSITIONS PERFORMANCE INDEX   71   36.3	SOUTH AFRICA		2	019		2010-2019	
1.			VALUE	RANK	SCORE	SCORE PROGRESS	
1.1 EDUCATION: Government expenditure in education per student (% of GDP per capita) (% of GDP per capita) (1.2 WEALTH: GDP per capita) (1.3 Capital) (1.3 T553.8 61 18.3 ↑ 1.3 LABOUR PRODUCTIVITY & R&D INTENSITY 50 22.3 − 1.3 LABOUR PRODUCTIVITY & R&D INTENSITY 50 22.3 − 1.3 LABOUR PRODUCTIVITY & R&D INTENSITY 50 22.3 − 1.3 LABOUR PRODUCTIVITY & R&D INTENSITY 50 22.3 − 1.3 LABOUR PRODUCTIVITY & R&D INTENSITY 50 22.3 − 1.3 LABOUR PRODUCTIVITY & R&D INTENSITY 50 22.3 − 1.3 LABOUR PRODUCTIVITY & R&D INTENSITY 50 22.3 − 1.3 LABOUR PRODUCTIVITY & R&D INTENSITY 50 22.3 − 1.4 LABOUR PRODUCTIVITY & R&D INTENSITY 50 22.3 − 1.4 LABOUR PRODUCTIVITY & R&D INTENSITY 50 22.3 LABOUR PRODUCTIVITY & R&D INTENSITY 50 22.3 LABOUR PRODUCTIVITY & RESPONDENCE OF PROD	TRANS	ITIONS PERFORMANCE INDEX		71	36.3		
1.1	1.	Economic transition		52	37.7	- \	
1.3 LABOUR PRODUCTIVITY & R&O INTENSITY  1.3.1 Output per worker (2011 constant GDP PPPS)  1.3.2 Gross expenditure on R&O (% of GDP)  1.4 INDUSTRIAL BASE  1.4.1 Gross value added of manufacturing (% of GDP)  1.4.1 Gross value added of manufacturing (% of GDP)  1.4.2 Patent families filed in two offices (per billion PPPS GDP)  2. Social transition  7. 2 26.0 ↑  2.1 HEALTH: Healthy life expectancy at birth (years)  2.2 WORK AND INCLUSION  2.2.1 Employment rate of the population aged 20-64 (%)  2.2.2 Employment-to-population ratio gender gap 25+ (%)  2.2.2 Employment-to-population ratio gender gap 25+ (%)  1.2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  2.4 EQUALITY  2.4 Gini coefficient disposable income post taxes and transfers (0-100)  2.4 Income share held by the poorest quintile (%)  2.4 EQUALITY  3. Environmental transition  5. BNISSIONS REDUCTION: Gross greenhouse gas emissions (10-100)  3. ENVISONMENEATED TIME: 48 43.5 7  3.1 Environmental transition  5. BNISSIONS REDUCTION: Gross greenhouse gas emissions (10-100)  3. Environmental transity areas (KBAs) protected (%)  3. BNISSIONS REDUCTION: Gross greenhouse gas emissions (10-100)  3. Environmental transity areas (KBAs) protected (%)  3. S. Sebudice PRODUCTIVITY: Resource productivity (PPPS per ko)  3. ENGRY PRODUCTIVITY: Energy productivity (PPPS per koe)  4. Governance transition  6. Governance transition  7. Governance transition  8. Governance transition  8. Governance transition  8. Governance transition  8. Governance transitio	1.1		14.2	44	56.9	<b>†</b>	
1.3.1 Output per worker (2011 constant GDP PPPS)  1.3.2 Gross expenditure on R&D (% of GDP)  1.3.2 Gross expenditure on R&D (% of GDP)  1.4.3 INDUSTRIAL BASE  1.4.1 Gross value added of manufacturing (% of GDP)  1.4.2 Patent families filed in two offices (per billion PPPS GDP)  1.4.2 Patent families filed in two offices (per billion PPPS GDP)  2. Social transition  7. 2 26.0 ↑  2.1 HEALTH: Healthy life expectancy at birth (years)  2.2 WORK AND INCLUSION  6.2 38.4 ⅓  2.2.2 Employment rate of the population aged 20-64 (%)  2.2.3 Early childhood care and education (%)  2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  2.4 EQUALITY  2.4.1 Gini coefficient disposable income post taxes and transfers (0-100)  2.4.2 Income share held by the poorest quintile (%)  3. Environmental transition  5. Environmental transition  5. Environmental transition  6. 3 38.5 ⅓  3. Environmental transition  5. Environmental transition  6. 3 38.5 ⅓  3. Environmental transition  6. 3 38.5 ⅙  3. RESOURCE PRODUCTIVITY: Resource productivity (PPPS per kg)  3. ENGREY PRODUCTIVITY: Resource productivity (PPPS per koe)  4. Governance transition  4. ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  4. Governance transition 4. Governance	1.2	WEALTH: GDP per capita, current dollars (PPP\$)	13 753.8	61	18.3	1	
1.3.2 Gross expenditure on R&D (% of GDP)  1.4 INDUSTRIAL BASE  1.4.1 Gross value added of manufacturing (% of GDP)  1.1.8 44 41.6 ↓  1.4.1 Gross value added of manufacturing (% of GDP)  1.1.8 44 39.2 ↓  1.4.2 Patent families filed in two offices (per billion PPPS GDP)  2. Social transition  7. 2 26.0 ↑  2.1 HEALTH: Healthy life expectancy at birth (years)  2.2 WORK AND INCLUSION  6.2 38.4 ↑  2.2.1 Employment rate of the population aged 20-64 (%)  2.2.2 Employment-to-population ratio gender gap 25+ (%)  2.2.3 Early childhood care and education (%)  1.2.0 68 0.0 ↑  2.3 FREE OR NON-REMUNERATED TIME:  FREE OR NON-REMUNERATED TIME:  FREE OR NON-REMUNERATED TIME:  Gini coefficient disposable income post taxes and transfers  Gas.0 72 4.4 ↑  (Gini coefficient disposable income post taxes and transfers  Gas.0 72 4.4 ↑  (Gini coefficient disposable income post taxes and transfers  BMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3.1 Environmental transition  5.3 38.5 ↑  3.1 Environmental transition  5.3 BIODIVERSITY  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per koe)  3.4 ENERGY PRODUCTIVITY: Resource productivity (PPPS per koe)  4. Governance transition  6.6 40.3 ↓  4.1 FUNDAMENTAL RIGHTS  4.1 Good Additional Company (Company Company Com	1.3	LABOUR PRODUCTIVITY & R&D INTENSITY		50	22.3	- ~~~	
1.4 INDUSTRIAL BASE 1.4.1 Gross value added of manufacturing (% of GDP) 1.1.8 44 39.2 № 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 2. Social transition 2. HEALTH: Healthy life expectancy at birth (years) 2.1 HEALTH: Healthy life expectancy at birth (years) 2.2 WORK AND INCLUSION 2.2.1 Employment rate of the population aged 20-64 (%) 2.2.2 Employment-to-population ratio gender gap 25+ (%) 2.2.3 Early childhood care and education (%) 2.3 FREE OR NON-REMUNERATED TIME: 3.4 FREE OR NON-REMUNERATED TIME: 4.4 EQUALITY 2.4.1 Gini coefficient disposable income post taxes and transfers 3.1 (Sont coefficient disposable income post taxes and transfers 4.4 EMISSIONS REDUCTION: Gross greenhouse gas emissions 3.1 (Lonome share held by the poorest quintile (%) 3.2 BIODIVERSITY 3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per kg) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 4. Governance transition 4.1 FUNDAMENTAL RIGHTS 4.1 Voice and accountability index (z-score) 4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 3.4 SECURITY: Homicide rate (per 100,000 inhabitants) 3.5 SECURITY: Homicide rate (per 100,000 inhabitants) 3.6 SECURITY: Homicide rate (per 100,000 inhabitants) 3.6 SECURITY: Homicide rate (per 100,000 inhabitants) 3.6 SECURITY: Homicide rate (per 100,000 inhabitants) 3.7 SECURITY: Homicide rate (per 100,000 inhabitants)	1.3.1	Output per worker (2011 constant GDP PPP\$)	42 209.6	49	28.1	У К	
1.4.1 Gross value added of manufacturing (% of GDP) 1.4.2 Patent families filed in two offices (per billion PPP\$ GDP) 1.4.2 Patent families filed in two offices (per billion PPP\$ GDP) 2.	1.3.2	Gross expenditure on R&D (% of GDP)	0.8	44	16.4	7	
1.4.2 Patent families filed in two offices (per billion PPPS GDP)  2. Social transition  7. 2 26.0 ↑  2.1 HEALTH: Healthy life expectancy at birth (years)  2.2 WORK AND INCLUSION  6.2 38.4 ₹  2.2.1 Employment rate of the population aged 20-64 (%)  2.2.2 Employment-to-population ratio gender gap 25+ (%)  1.4.6 32 79.2 ₹  2.2.3 Early childhood care and education (%)  2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  2.4 EQUALITY  7.2 4.6 ₹  2.4.1 Ginil coefficient disposable income post taxes and transfers (0-100)  2.4.2 Income share held by the poorest quintile (%)  3. Emissions ReDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3.2 BIODIVERSITY  3.3 Pesticide use per area of cropland (kg/ha)  3.4 ENERGY PRODUCTIVITY: Resource productivity (PPPS per koe)  4. Governance transition  6. 40.3 ↓  4. FUNDAMENTAL RIGHTS  4.1 Voice and accountability index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  5. SECURITY: Homicide rate (per 100,000 inhabitants)	1.4	INDUSTRIAL BASE		44	41.6	<b>V</b>	
2.       Social transition       72       26.0       ↑         2.1       HEALTH: Healthy life expectancy at birth (years)       53.2       71       27.4       ↑         2.2       WORK AND INCLUSION       62       38.4       ౫         2.2.1       Employment rate of the population aged 20-64 (%)       48.5       62       16.9       ¬         2.2.2       Employment-to-population ratio gender gap 25+ (%)       14.6       32       79.2       ౫         2.2.3       Early childhood care and education (%)       12.0       68       0.0       ౫         2.3       FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)       42.2       60       49.4       ↑         2.4       EQUALITY       72       4.6       ౫         2.4       EQUALITY       72       4.6       ౫         2.4.1       Gini coefficient disposable income post taxes and transfers (0-100)       63.0       72       4.4       ↑         2.4.1       Gini coefficient disposable income post taxes and transfers (none per capita)       63.0       72       4.4       ↑         3.1       EMISSIONS REDUCTION: Gross greenhouse gas emissions (connes per capita)       9.2       48       61.6       -         3.2       BIODIVERSITY<	1.4.1	Gross value added of manufacturing (% of GDP)	11.8	44	39.2	У К	
2.1 HEALTH: Healthy life expectancy at birth (years)  2.2 WORK AND INCLUSION  2.2.1 Employment rate of the population aged 20-64 (%)  2.2.2 Employment rate of the population aged 20-64 (%)  2.2.3 Early childhood care and education (%)  2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  2.4 EQUALITY  2.4.1 Gini coefficient disposable income post taxes and transfers (0-100)  2.4.2 Income share held by the poorest quintile (%)  3. Environmental transition  3. EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3.2 BIODIVERSITY  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per ko)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  4.5 Governance transition  4.1 FUNDAMENTAL RIGHTS  4.1 Voice and accountability index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  3.5 SECURITY: Homicide rate (per 100,000 inhabitants)  3.6 SECURITY: Homicide rate (per 100,000 inhabitants)  3.6 Covernance transition 4.5 Covernance transition 4.	1.4.2	Patent families filed in two offices (per billion PPP\$ GDP)	0.3	39	45.3	<b>V</b>	
2.2 WORK AND INCLUSION  2.2.1 Employment rate of the population aged 20-64 (%)  2.2.2 Employment-to-population ratio gender gap 25+ (%)  2.2.3 Early childhood care and education (%)  2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  2.4 EQUALITY  2.4.1 Gini coefficient disposable income post taxes and transfers (0-100)  2.4.2 Income share held by the poorest quintile (%)  3. Environmental transition  3. EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3.2 BIODIVERSITY  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per koe)  4. Governance transition  4.1 FUNDAMENTAL RIGHTS  4.1 Voice and accountability index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  36.4 72 0.0   47.2 16.6  38.4 7 79.2  48.4	2.	Social transition		72	26.0	1	
2.2.1 Employment rate of the population aged 20-64 (%) 48.5 62 16.9 - 2.2.2 Employment-to-population ratio gender gap 25+ (%) 14.6 32 79.2 7  2.2.3 Early childhood care and education (%) 12.0 68 0.0 7  2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%) 72 46 7  2.4 EQUALITY 72 46 7  2.4.1 Gini coefficient disposable income post taxes and transfers (0-100) 63.0 72 4.4 ↑  2.4.2 Income share held by the poorest quintile (%) 2.4 71 5.0 ↓  3. Environmental transition 63 38.5 7  3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 48 43.5 7  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 30.7 56 30.7 - 3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 35.8 47 35.8 ↑  3.2.3 Pesticide use per area of cropland (kg/ha) 2.2 32 84.6 3  3.4 ENERGY PRODUCTIVITY: Resource productivity (PPPS per koe) 5.6 69 27.9 ↑  4. Governance transition 66 40.3 ↓  4.1 FUNDAMENTAL RIGHTS 41 60.2 \$\frac{1}{2}\$ 42 SECURITY: Homicide rate (per 100,000 inhabitants) 36.4 72 0.0 ↓	2.1	HEALTH: Healthy life expectancy at birth (years)	53.2	71	27.4	<b>↑</b>	
2.2.2 Employment-to-population ratio gender gap 25+ (%)  2.2.3 Early childhood care and education (%)  2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  2.4 EQUALITY  2.5 Gini coefficient disposable income post taxes and transfers (0-100)  2.6 Income share held by the poorest quintile (%)  3. Environmental transition  3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3.2 BIODIVERSITY  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.3.3 Pesticide use per area of cropland (kg/ha)  3.4 ENERGY PRODUCTIVITY: Resource productivity (PPPS per kg)  3.5 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  4. Governance transition  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  3.5 ECURITY: Homicide rate (per 100,000 inhabitants)  3.6 4 72 0.0	2.2	WORK AND INCLUSION		62	38.4	7	
2.2.3 Early childhood care and education (%)  2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  2.4 EQUALITY  2.5 Gini coefficient disposable income post taxes and transfers (0-100)  2.6 Income share held by the poorest quintile (%)  3. Environmental transition  3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3.2 BIODIVERSITY  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per koe)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  4. Governance transition  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  3.6 4 72 0.0	2.2.1	Employment rate of the population aged 20-64 (%)	48.5	62	16.9		
2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  2.4 EQUALITY  2.4.1 Gini coefficient disposable income post taxes and transfers (0-100)  2.4.2 Income share held by the poorest quintile (%)  3. Environmental transition  3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3.2 BIODIVERSITY  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per koe)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  4. Governance transition  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  36.4 72 0.0	2.2.2	Employment-to-population ratio gender gap 25+ (%)	14.6	32	79.2	7	
Free or non-remunerated time (%)  2.4 EQUALITY  2.4.1 Gini coefficient disposable income post taxes and transfers (0-100)  2.4.2 Income share held by the poorest quintile (%)  3. Environmental transition  3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3.2 BIODIVERSITY  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.3.8 RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per koe)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)  4.6 Governance transition  4.1 FUNDAMENTAL RIGHTS  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  3.4 SECURITY: Homicide rate (per 100,000 inhabitants)  3.6 SECURITY: Homicide rate (per 100,000 inhabitants)	2.2.3	Early childhood care and education (%)	12.0	68	0.0	7	
2.4.1 Gini coefficient disposable income post taxes and transfers (0-100) 2.4.2 Income share held by the poorest quintile (%)  2.4 71 5.0 ↓  3. Environmental transition  3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3.2 BIODIVERSITY  48 43.5 7  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.2.3 Pesticide use per area of cropland (kg/ha)  3.2.4 ENERGY PRODUCTIVITY: Resource productivity (PPPS per koe)  4. Governance transition  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  63 38.5 7  4.4 ↑  5.0 ↓  4.4 ↑  5.0 ↓  4.5 ↑  5.0 ↓  4.6 ↑  5.0 ↓  4.7 ↑  5.0 ↓  4.8 ↑  5.0 ↓  4.9 ↑  4.9 ↑  4.4 ↑  5.0 ↓  4.4 ↑  5.0 ↓  4.4 ↑  5.0 ↓  4.4 ↑  5.0 ↓  4.5 ↑  4.6 ↑  4.7 ↑  4.7 ↑  4.8 ↑  4.9 ↑  4.9 ↑  4.9 ↑  4.9 ↑  4.9 ↑  4.9 ↑  4.9 ↑  4.0 ↑  4.1 FUNDAMENTAL RIGHTS  4.1 ↑  4.1 ↑  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 ↑  4.4 ↑  5.6 ↑  5.7 ↑  5.0 ↓  4.4 ↑  5.0 ↓  4.4 ↑  5.0 ↓  5.0 ↓  5.0 ↓  6.0 ↓	2.3		42.2	60	49.4	<b>↑</b>	
2.4.1 (0-100) 2.4.2 Income share held by the poorest quintile (%)  2.4.2 Income share held by the poorest quintile (%)  3. Environmental transition  3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3.2 BIODIVERSITY  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.2.3 Pesticide use per area of cropland (kg/ha)  3.2.3 Pesticide use per area of cropland (kg/ha)  3.4 ENERGY PRODUCTIVITY: Resource productivity (PPP\$ per koe)  4. Governance transition  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  3.6.4 72 0.0	2.4	EQUALITY		72	4.6	7	
3. Environmental transition  3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3.2 BIODIVERSITY  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.2.3 Pesticide use per area of cropland (kg/ha)  3.2.3 Pesticide use per area of cropland (kg/ha)  3.2.4 ENERGY PRODUCTIVITY: Resource productivity (PPP\$ per koe)  4. Governance transition  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  63 38.5  38.5  38.5  4 61.6  -  48 43.5  30.7  -  35.8  4 7 35.8  ↑  35.8  ↑  35.8  ↑  4.1  4.1  5.6  69  69  7.9  ↑  4.7  4.7  60.2  4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  36.4  72 0.0	2.4.1		63.0	72	4.4	↑ <u> </u>	
3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3.2 BIODIVERSITY  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.2.3 Pesticide use per area of cropland (kg/ha)  3.2.4 ENERGY PRODUCTIVITY: Resource productivity (PPP\$ per koe)  4. Governance transition  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  9.2 48 61.6 -  48 43.5 7  48 43.5 7  30.7 -  30.7 -  31.3 59 30.7 -  31.3 59 21.1 ↑  41.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  3.4 8 61.6 -  4.8 43.5 7  4.8 43.5 7  4.7 35.8 ↑  4	2.4.2	Income share held by the poorest quintile (%)	2.4	71	5.0	<b>V</b>	
3.2 BIODIVERSITY  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.2.3 Pesticide use per area of cropland (kg/ha)  3.2.4 ENERGY PRODUCTIVITY: Resource productivity (PPP\$ per koe)  4. Governance transition  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  3.6 4 72  3.7 48  61.6 −  48 43.5 7  30.7 −  41.1 ↑  41.1 FUNDAMENTAL RIGHTS  41.2 Rule of law index (z-score)  30.7 −  30.8 + −  30	3.	Environmental transition		63	38.5	7	
3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.2.3 Pesticide use per area of cropland (kg/ha) 2.2 32 84.6 3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPPŞ per kg) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPŞ per koe) 4. Governance transition 4.1 FUNDAMENTAL RIGHTS 4.1.1 Voice and accountability index (z-score) 4.1.2 Rule of law index (z-score) 4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 30.7 56 30.7 - 35.8 ↑ 36.4 72 0.0 ↓	3.1		9.2	48	61.6	-	
3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.2.3 Pesticide use per area of cropland (kg/ha) 2.2 32 84.6  3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe) 5.6 69 27.9  4. Governance transition 66 40.3  4.1 FUNDAMENTAL RIGHTS 41 60.2  4.1.1 Voice and accountability index (z-score) 6.7 35 74.5  4.1.2 Rule of law index (z-score) 6.1 50 45.9  4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 35.8 47 35.8  ↑  35.8 47 35.8  ↑  35.8 47 35.8  ↑  35.8	3.2	BIODIVERSITY		48	43.5	7	
3.2.3 Pesticide use per area of cropland (kg/ha)  3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)  4. Governance transition  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)  5.6 69 27.9  4.0.3 ↓  4.1 60.2 ↓  4.1 60.2 ↓  4.1.1 Voice and accountability index (z-score)  6.7 35 74.5 −  6.8 40.3 ↓  6.9 ↓  7.0 ↓  7.1 € Company of the productivity (PPP\$ per koe)  7.2 0.0 ↓	3.2.1	Terrestrial key biodiversity areas (KBAs) protected (%)	30.7	56	30.7	-	
3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)  4. Governance transition  4.1 FUNDAMENTAL RIGHTS  4.1 Voice and accountability index (z-score)  4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  3.3 59  21.1 ↑  4.6 40.3 ↓  4.7 50.0 ↓	3.2.2	Freshwater key biodiversity areas (KBAs) protected (%)	35.8	47	35.8	<b>↑</b>	
3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)  4. Governance transition  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  1.3 \$9 21.1	3.2.3	Pesticide use per area of cropland (kg/ha)	2.2	32	84.6	<u>и</u> /	
4.       Governance transition       66       40.3       ↓         4.1       FUNDAMENTAL RIGHTS       41       60.2       ¾         4.1.1       Voice and accountability index (z-score)       0.7       35       74.5       -         4.1.2       Rule of law index (z-score)       (0.1)       50       45.9       ↓         4.2       SECURITY: Homicide rate (per 100,000 inhabitants)       36.4       72       0.0       ↓	3.3		1.3	59	21.1	1	
4.1 FUNDAMENTAL RIGHTS  4.1 60.2 ★  4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  41 60.2 ★  42 0.0 ★	3.4	ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)	5.6	69	27.9	1	
4.1.1 Voice and accountability index (z-score)       0.7 35 74.5 -         4.1.2 Rule of law index (z-score)       (0.1) 50 45.9 ↓         4.2 SECURITY: Homicide rate (per 100,000 inhabitants)       36.4 72 0.0 ↓	4.	Governance transition		66	40.3	<b>V</b>	
4.1.2 Rule of law index (z-score) (0.1) 50 45.9 ↓ 4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 36.4 72 0.0 ↓	4.1	FUNDAMENTAL RIGHTS		41	60.2	ν ~~~	
4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 36.4 72 0.0	4.1.1	Voice and accountability index (z-score)	0.7	35	74.5		
	4.1.2	Rule of law index (z-score)	(0.1)	50	45.9	<b>+</b>	
4.3 TRANSPARENCY 45 48.2 $\downarrow$	4.2	SECURITY: Homicide rate (per 100,000 inhabitants)	36.4	72	0.0	<b>V</b>	
	4.3	TRANSPARENCY		45	48.2	<b>V</b>	
4.3.1 Corruption perceptions index (0-100) 43.0 45 43.0 -	4.3.1	Corruption perceptions index (0-100)	43.0	45	43.0		
4.3.2 Basel anti-money laundering index (0-10)  4.8 35 51.7	4.3.2	Basel anti-money laundering index (0-10)	4.8	35	51.7	<b>+</b>	
4.4 SOUND PUBLIC FINANCES: Government gross debt (% of GDP) 59.9 44 77.5	4.4	SOUND PUBLIC FINANCES: Government gross debt (% of GDP)	59.9	44	77.5	<b>V</b>	

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

Note: Progress lines use automatic scaling.

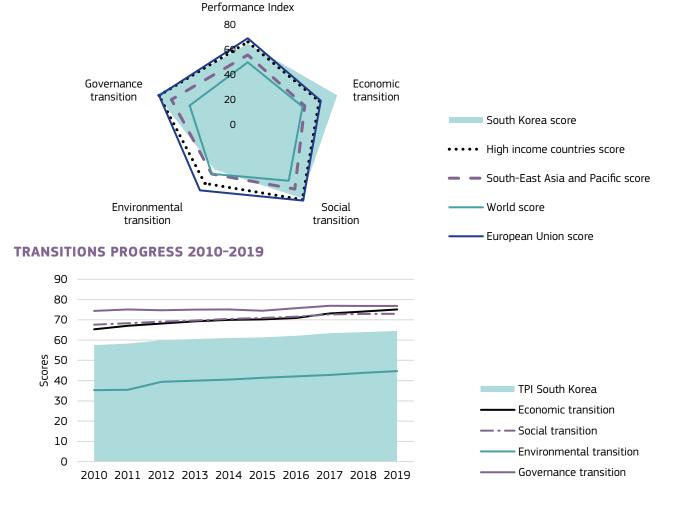


<b>SOUTH KOREA</b>			
POPULATION (million inhabitants)	51.8	GDP PER CAPITA (current PPP\$)	44 740.4
GROSS DOMESTIC PRODUCT (GDP) (billion PPP\$)	2 319.6	TRADE (% of GDP)	76.7
SUMMARY INNOVATION INDEX (0-100)	68.0		

2019	TPI	TRANSITIONS					
2019	IPI	ECONOMIC SOCIAL		ENVIRONMENTAL	GOVERNANCE		
South Korea ranks	22	3	27	58	18		
South Korea score	64.5	75.1	72.9	44.7	76.8		
World weighted average score	49.7	46.1	55.8	48.9	48.8		
High income countries score	66.0	60.0	74.4	58.4	74.5		
South-East Asia and Pacific score	55.6	47.9	64.0	49.0	64.1		
European Union score	68.8	61.4	75.4	65.2	74.5		

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

Transitions





TRANSITIONS PERFORMANCE INDEX	SOUTH KOREA		2	2019		2010-2019	
1. Economic transition 1.1 EDUCATION: Government expenditure in education per student (% of GDP per capita) 1.2 WEALTH: GDP per capita, current dollars (PPPS) 1.3 LABOUR PRODUCTIVITY & R&O INTENSITY 1.5 LABOUR PRODUCTIVITY & R&O INTENSITY 1.5 LABOUR PRODUCTIVITY & R&O INTENSITY 1.5 Output per worker (2011 constant GDP PPPS) 1.6 1 1 91.1 ↑ 1.7 LABOUR PRODUCTIVITY & R&O INTENSITY 1.7 LABOUR PRODUCTIVITY & R&O INTENSITY 1.8 LABOUR PRODUCTIVITY & R&O INTENSITY 1.9 LABOUR PRODUCTIVITY & R&O INTENSITY 1.1 LABOUR PRODUCTIVITY & R&O INTENSITY 1.1 LABOUR PRODUCTIVITY & R&O INTENSITY 1.2 LABOUR PRODUCTIVITY & R&O INTENSITY 1.3 CHORD AND INTENSITY 1.4 INDUSTRIAL BASE 1.5 LABOUR PRODUCTIVITY & R&O INTENSITY 1.5 LABOUR PRODUCTIVITY & R&O INTENSITY 1.6 LABOUR PRODUCTIVITY & R&O INTENSITY 1.7 LABOUR PRODUCTIVITY & R&O INTENSITY 1.8 LABOUR PRODUCTIVITY & R&O INTENSITY 1.9 LABOUR PRODUCTIVITY & R&O INTENSITY 1.0 LABOUR PRODUCTIVITY & RECEIVED PRODUCTIV			VALUE	RANK	SCORE	SCORE PROGRESS	
1.1   EDUCATION: Government expenditure in education per student   17.8   24   71.3   ↑	TRANS	ITIONS PERFORMANCE INDEX		22	64.5	7	
1.1. (% of GDP per capita, current dollars (PPPS)	1.	Economic transition		3	75.1	1	
1.3 LABOUR PRODUCTIVITY & R&D INTENSITY  1.3.1 Output per worker (2011 constant GDP PPPS)  7.1 122.5 28 47.4 ↑  1.3.2 Gross expenditure on R&D (% of GDP)  4.6 1 91.1 ↑  1.4 INDUSTRIAL BASE  1.1 93.2 ¥  1.4.1 Gross value added of manufacturing (% of GDP)  1.4.2 Patent families filed in two offices (per billion PPPS GDP)  1.4.2 Patent families filed in two offices (per billion PPPS GDP)  1.4.2 Patent families filed in two offices (per billion PPPS GDP)  2. Social transition  2.7 72.9 ₹  2.2 WORK AND INCLUSION  3.1 69.9 ↑  2.2.2 Employment rate of the population aged 20-64 (%)  2.2.3 Employment rate of the population aged 20-64 (%)  2.2.1 Employment trace of the population aged 20-64 (%)  2.2.2 Employment-to-population ratio gender gap 25+ (%)  2.3 FREE OR NON-REMUNEATED TIME:  Free or non-remunerated time (%)  2.4 EQUALITY  2.4 1 Gin incoefficient disposable income post taxes and transfers (0-10.0)  2.4.2 Income share held by the poorest quintile (%)  3. Environmental transition  3. Environmental Environmental (%)  3. Environmental Environmental (%)  3. Environmental transition  3. Environmental (%)  3. Environmental transition  3. Environmental (%)  3. Environmental transition  4. Environmental (%)  3. Environmental transition  3. Environmental (%)  3. Environmental (%	1.1		17.8	24	71.3	<b>↑</b>	
1.3.1 Output per worker (2011 constant GDP PPPS) 1.3.2 Gross expenditure on R&D (% of GDP) 1.3.4 INDUSTRIAL BASE 1.4.1 Gross value added of manufacturing (% of GDP) 2.7.2 3 90.8 1 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 2.7.2 3 90.8 1 2.1 HEALTH: Healthy life expectancy at birth (years) 2.2 WORK AND INCLUSION 2.1 Employment rate of the population aged 20-64 (%) 2.2.1 Employment-to-population ratio gender gap 25+ (%) 2.2.2 Employment-to-population ratio gender gap 25+ (%) 2.3 FREE OR NON-REMUNERATED TIME: 48.7 46 61.3 ↑ Free or non-remunerated time (%) 2.4 EQUALITY 2.4.1 (0-100) 3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (fonce per capita) 3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3.2 BIODIVERSITY 3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2.3 Pesticide use per area of cropland (kg/ha) 3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per kg) 3.4 ENERGY PRODUCTIVITY: Resource productivity (PPPS per kg) 3.5 ENERGY PRODUCTIVITY: Energy productivity (PPPS per kg) 3.6 ENERGY PRODUCTIVITY: Energy productivity (PPPS per kg) 3.7 ENERGY PRODUCTIVITY: Energy productivity (PPPS per kg) 3.8 ENERGY PRODUCTIVITY: Energy productivity (PPPS per kg) 3.9 ENERGY PRODUCTIVITY: Energy productivity (PPPS per kg) 3.1 EMISDAMENTAL RIGHTS 4.1 FUNDAMENTAL RIGHTS 4.2 EQUALITY 4.3 TRANSPARENCY 4.3 TRANSPARENCY 4.3 TRANSPARENCY 4.3 Basel anti-money laundering index (0-10) 57.0 43.2 Basel anti-money laundering index (0-10) 57.0 43.2 Basel anti-money laundering index (0-10) 57.0 43.2 Basel anti-money laundering index (0-10)	1.2	WEALTH: GDP per capita, current dollars (PPP\$)	44 740.4	23	59.7	<b>↑</b>	
1.5.2 Gross expenditure on R&D (% of GDP)  1.4 INDUSTRIAL BASE  1.1 95.2 N  1.4.1 Gross value added of manufacturing (% of GDP)  1.4.2 Patent families filed in two offices (per billion PPPS GDP)  1.4.2 Patent families filed in two offices (per billion PPPS GDP)  2.1 HEALTH: Healthy life expectancy at birth (years)  2.1 HEALTH: Healthy life expectancy at birth (years)  2.2 WORK AND INCLUSION  2.1.1 Employment rate of the population aged 20-64 (%)  2.2.2 Employment-to-population ratio gender gap 25+ (%)  2.2.3 Early childhood care and education (%)  2.5 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  2.6 EQUALITY  2.4 EQUALITY  2.4 Gini coefficient disposable income post taxes and transfers (0-100)  2.4.2 Income share held by the poorest quintile (%)  3. Environmental transition  5. EMISSION'S REDUCTION: Gross greenhouse gas emissions (0-100)  3. Environmental transition  5. EMISSION'S REDUCTION: Gross greenhouse gas emissions (13.6 62 43.3 N)  3. BIODIVERSITY  3. BIODIVERSITY  3. GROSS GROSS greenhouse gas emissions (13.6 62 43.3 N)  3. ENVIRON SEDUCTION: Gross greenhouse gas emissions (13.6 62 43.3 N)  3. ENVIRON SEDUCTION: Gross greenhouse gas emissions (13.6 62 43.3 N)  3. ENVIRON SEDUCTION: Gross greenhouse gas emissions (13.6 62 43.3 N)  3. ENVIRON SEDUCTION: Gross greenhouse gas emissions (13.6 62 43.3 N)  3. ENVIRON SEDUCTION: Gross greenhouse gas emissions (13.6 62 43.3 N)  3. ENVIRON SEDUCTION: Gross greenhouse gas emissions (13.6 62 43.3 N)  3. ENVIRON SEDUCTION: Gross greenhouse gas emissions (13.6 62 43.3 N)  4. ENVIRON SEQUENTIAL	1.3	LABOUR PRODUCTIVITY & R&D INTENSITY		3	69.2	1	
1.4 INDUSTRIAL BASE 1.4.1 Gross value added of manufacturing (% of GDP) 1.4.2 Patent familities filed in two offices (per billion PPPS GDP) 1.4.2 Patent familities filed in two offices (per billion PPPS GDP) 1.4.2 Patent familities filed in two offices (per billion PPPS GDP) 1.4.2 Patent familities filed in two offices (per billion PPPS GDP) 1.4.2 Patent familities filed in two offices (per billion PPPS GDP) 1.4.2 Patent familities filed in two offices (per billion PPPS GDP) 1.4.2 Patent familities filed in two offices (per billion PPPS GDP) 1.4.2 Patent familities filed in two offices (per billion PPPS GDP) 1.4.2 Patent familities filed in two offices (per billion PPPS GDP) 1.4.2 Employment rate of the population aged 20-64 (%) 1.4.3 Early childhood care and education (%) 1.4.4 Equipart for the filed filed familities filed for the filed familities familities filed familities filed familities	1.3.1	Output per worker (2011 constant GDP PPP\$)	71 122.5	28	47.4	<b>↑</b>	
1.4.1 Gross value added of manufacturing (% of GDP) 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 1.4.2 96.8 - 2. Social transition 2.7 72.9 7 2.1 HEALTH: Healthy life expectancy at birth (years) 2.2 WORK AND INCLUSION 2.1. Employment rate of the population aged 20-64 (%) 2.2.1 Employment-to-population ratio gender gap 25+ (%) 2.2.2 Employment-to-population ratio gender gap 25+ (%) 2.2.3 Early childhood care and education (%) 7.5 8 92.4 ↑ 2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%) 2.4 EQUALITY 2.4 [Gini coefficient disposable income post taxes and transfers (including and addition of the composition	1.3.2	Gross expenditure on R&D (% of GDP)	4.6	1	91.1	1	
1.4.2 Patent families filed in two offices (per billion PPPS GDP)  2. Social transition  2. 7 72.9  2. 1 HEALTH: Healthy life expectancy at birth (years)  2. 2 WORK AND INCLUSION  2. 2.1 Employment rate of the population aged 20-64 (%)  2.2.1 Employment rate of the population aged 20-64 (%)  2.2.2 Employment-to-population ratio gender gap 25+ (%)  2.2.3 Early childhood care and education (%)  75.5 8 92.4 ↑  2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  2.4 EQUALITY  2.4 Gini coefficient disposable income post taxes and transfers (0-100)  3. Environmental transition  3. EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3.2 BIODIVERSITY  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.3 Pesticide use per area of cropland (kg/ha)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per ko)  3.5 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  4. Governance transition  4. Governance transition  4. Governance transition  4. RESOURCE PRODUCTIVITY: Energy productivity (PPPS per koe)  3. SECURITY: Homicide rate (per 100,000 inhabitants)  4. TRANSPARENCY  3. SECURITY: Homicide rate (per 100,000 inhabitants)  4. TRANSPARENCY  3. Basel anti-money laundering index (0-100)  4. Governance transition index (2-score)  3. SECURITY: Homicide rate (per 100,000 inhabitants)  4. Governance transition index (2-score)  3. SECURITY: Homicide rate (per 100,000 inhabitants)  4. Governance transition index (3-50 in 3 in 3 index (3-50 in 3 index (3-50 in 3 in 3 index	1.4	INDUSTRIAL BASE		1	93.2	<u>v</u> ~~	
2. Social transition 2. To 72.9 2. HEALTH: Healthy life expectancy at birth (years) 2.1 HEALTH: Healthy life expectancy at birth (years) 2.2 WORK AND INCLUSION 3.1 69.9 ↑  2.2.1 Employment rate of the population aged 20-64 (%) 2.2.2 Employment-to-population ratio gender gap 25+ (%) 2.2.3 Early childhood care and education (%) 2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%) 2.4 EQUALITY 2.4.1 Gini coefficient disposable income post taxes and transfers (0-100) 2.4.2 Income share held by the poorest quintile (%) 3. Environmental transition 3. Environmental transition 3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3.2 BIODIVERSITY 68 30.0 Society (10 per society) 3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.2.3 Pesticide use per area of cropland (kg/ha) 3.1 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per ko) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 4.1 Governance transition 4.1 FUNDAMENTAL RIGHTS 4.2 BESCURITY: Homicide rate (per 100,000 inhabitants) 4.3 TRANSPARENCY 5.5 Society (10 per ceptions index (0-100) 5.7 Societ	1.4.1	Gross value added of manufacturing (% of GDP)	27.2	3	90.8	Z ~~~ K	
2.1 HEALTH: Healthy life expectancy at birth (years) 2.2 WORK AND INCLUSION 3.1 69.9 ↑  2.2.1 Employment rate of the population aged 20-64 (%) 2.2.2 Employment-to-population ratio gender gap 25+ (%) 2.2.3 Early childhood care and education (%) 7.5 8 92.4 ↑  2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%) 2.4 EQUALITY 2.4 1 (Gini coefficient disposable income post taxes and transfers (0-100) 2.4.2 Income share held by the poorest quintile (%) 3.1 Environmental transition 5.8 Environmental transition 5.8 ENVISOR SEDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3.1 (tonnes per capita) 3.2 BIODIVERSITY 3.3.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.2.3 Pesticide use per area of cropland (kg/ha) 3.1 RESSOURCE PRODUCTIVITY: Energy productivity (PPPS per kg) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per kg) 4.1 Voice and accountability index (z-score) 4.1 RUNDAMENTAL RIGHTS 4.1 Voice and accountability index (z-score) 4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 4.3 TRANSPARENCY 5.4 Basel anti-money laundering index (0-100) 5.7 0 34 57.0 5. 5. Carry did not contability index (0-100) 5.7 0 34 57.0 5. Carry did not contability index (0-100) 5.7 0 34 57.0 5. Carry did not contability index (0-100) 5.7 0 34 57.0 5. Carry did not contability index (0-100) 5.7 0 34 57.0 5. Carry did not contability index (0-100) 5.7 0 34 57.0 5. Carry did not contability index (0-100) 5.7 0 34 57.0 5. Carry did not contability index (0-100) 5.7 0 34 57.0 5. Carry did not contability index (0-100) 5.7 0 34 57.0 5. Carry did not contability index (0-100) 5.7 0 34 57.0 5. Carry did not contability index (0-100) 5.7 0 34 57.0 5. Carry did not contability index (0-100) 5.7 0 34 57.0 5. Carry did not contability index (0-100) 5.7 0 34 57.0 5. Carry did not contability index (0-100) 5.7 0 34 57.0 5. Carry did not contability index (0-100) 5.7 0 34 57.0 5. Carry did not contability index (0-100) 5.7 0 34 57.0 5. Carry did	1.4.2	Patent families filed in two offices (per billion PPP\$ GDP)	12.7	2	96.8	- /	
2.2 WORK AND INCLUSION 2.2.1 Employment rate of the population aged 20-64 (%) 2.2.2 Employment rate of the population aged 20-64 (%) 2.2.3 Early childhood care and education (%) 2.3.7 55 66.2 7  2.2.3 Early childhood care and education (%) 2.3.7 FREE OR NON-REMUNERATED TIME: rere or non-remunerated time (%) 2.4 EQUALITY 2.4 FQUALITY 2.4.1 Gini coefficient disposable income post taxes and transfers (0-100) 2.4.2 Income share held by the poorest quintile (%) 3.1 Environmental transition 3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3.2 BIODIVERSITY 3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.2.3 Pesticide use per area of cropland (kg/ha) 3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per kg) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 4.1 FUNDAMENTAL RIGHTS 4.1 FUNDAMENTAL RIGHTS 4.1 FUNDAMENTAL RIGHTS 4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 4.3 TRANSPARENCY 5.5 G6.2 7  4.5 George and accountability index (z-score) 4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 5.6 G2 7.7 S9 7.7 S	2.	Social transition		27	72.9	7	
2.2.1 Employment rate of the population aged 20-64 (%) 2.2.2 Employment-to-population ratio gender gap 25+ (%) 2.2.3 Early childhood care and education (%) 75.5 8 92.4 ↑  2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%) 2.4 EQUALITY 2.4 Gini coefficient disposable income post taxes and transfers (0-100) 2.4.1 Gini coefficient disposable income post taxes and transfers (0-100) 2.4.2 Income share held by the poorest quintile (%) 3.1 Emvironmental transition 3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3.2 BIODIVERSITY 3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.2.3 Pesticide use per area of cropland (kg/ha) 3.1 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per koe) 3.3 RESOURCE PRODUCTIVITY: Energy productivity (PPPS per koe) 4. Governance transition 4. FUNDAMENTAL RIGHTS 4. In Voice and accountability index (z-score) 4.1 Voice and accountability index (z-score) 4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 4.3 TRANSPARENCY 5. SEA SECURITY: Homicide rate (per 100,000 inhabitants) 6. SEA SECURITY: Homicide rate (per 100,000 inhabitants) 7. SEA SECURITY: Homicide rate (per 100,000 inhabitants) 8. SEA SEA SEA SECURITY: Homicide rate (per 100,000 inhabitants) 8. SEA	2.1	HEALTH: Healthy life expectancy at birth (years)	70.7	22	85.7	7	
2.2.2 Employment-to-population ratio gender gap 25+ (%) 2.2.3 Early childhood care and education (%) 75.5 8 92.4 ↑  2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%) 2.4 EQUALITY 2.4.1 Gini coefficient disposable income post taxes and transfers (0-100) 2.4.2 Income share held by the poorest quintile (%) 3.1 Emironmental transition 3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3.2 BIODIVERSITY 3.2 BIODIVERSITY 3.3.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.2.3 Pesticide use per area of cropland (kg/ha) 3.1 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per kg) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 4. Governance transition 4.1 FUNDAMENTAL RIGHTS 4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 4.3 TRANSPARENCY 4.3 TRANSPARENCY 4.3.1 Corruption perceptions index (0-100) 4.5 Basel anti-money laundering index (0-100) 57.0 54.0	2.2	WORK AND INCLUSION		31	69.9	<b>↑</b>	
2.2.3 Early childhood care and education (%)  75.5 8 92.4 ↑  2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  2.4 EQUALITY  2.4 72.2 −  2.4.1 Gini coefficient disposable income post taxes and transfers (0-100)  2.4.2 Income share held by the poorest quintile (%)  3.1 Environmental transition  3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3.2 BIODIVERSITY  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.2.3 Pesticide use per area of cropland (kg/ha)  3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per kg)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  4. Governance transition  4.1 FUNDAMENTAL RIGHTS  4.1 Voice and accountability index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  4.5 Basel anti-money laundering index (0-100)  4.6 30 54.0	2.2.1	Employment rate of the population aged 20-64 (%)	71.2	38	62.4	7	
2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%) 2.4 EQUALITY 2.5 EQUALITY 2.6 EQUALITY 2.7 Free or non-remunerated time (%) 2.7 Fig. 31.6 Septicient disposable income post taxes and transfers (0-100) 2.4.2 Income share held by the poorest quintile (%) 3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3.2 BIODIVERSITY 3.3 BIODIVERSITY 3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.2.3 Pesticide use per area of cropland (kg/ha) 3.2 Pesticide use per area of cropland (kg/ha) 3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per koe) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 3.5 Formula in the productivity (PPPS per koe) 3.6 Septicide use dead accountability index (z-score) 3.7 Septicide use dead accountability index (z-score) 3.8 TRANSPARENCY 3.9 SECURITY: Homicide rate (per 100,000 inhabitants) 3.0 TRANSPARENCY 3.1 Corruption perceptions index (0-100) 3.2 SECURITY: Homicide index (0-100) 3.3 Resource production index (0-100) 3.4 Corruption perceptions index (0-100) 3.5 Society of the production index (0-100) 3.7 Society of the production index (0-100) 3.8 Society of the production index (0-100) 3.9 Society of the production index (0-100) 3.0 Society of the production index (0-100) 3.1 EMISSIONS and transfers a	2.2.2	Employment-to-population ratio gender gap 25+ (%)	23.7	55	66.2	7	
2.5 Free or non-remunerated time (%)  2.4 EQUALITY  2.4.1 Gini coefficient disposable income post taxes and transfers (0-100)  2.4.2 Income share held by the poorest quintile (%)  3.1 Environmental transition  3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3.2 BIODIVERSITY  3.3 1 Errestrial key biodiversity areas (KBAs) protected (%)  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.2.3 Pesticide use per area of cropland (kg/ha)  3.2.4 ENERGY PRODUCTIVITY: Resource productivity (PPPS per kg)  3.5 Environmental transition  3.6 62 43.3 №  4.0 9 67.0 ↑  4.1 FUNDAMENTAL RIGHTS  4.1 FUNDAMENTAL RIGHTS  4.1 Voice and accountability index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3 ENSIGNER PRODUCTION (0-100)  4.5 57.0 34 57.0 −  4.3.2 Basel anti-money laundering index (0-100)  4.6 30 54.0 −	2.2.3	Early childhood care and education (%)	75.5	8	92.4	<b>↑</b>	
2.4 EQUALITY 2.4.1 Gini coefficient disposable income post taxes and transfers (0-100) 2.4.2 Income share held by the poorest quintile (%) 3.1.6 22 74.2 -  2.4.2 Income share held by the poorest quintile (%) 3.3 34 66.3 -  3. Environmental transition 58 44.7 ↑  3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3.2 BIODIVERSITY 68 30.0 №  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.2.3 Pesticide use per area of cropland (kg/ha) 3.2.3 Pesticide use per area of cropland (kg/ha) 3.4 ENERGY PRODUCTIVITY: Resource productivity (PPPS per kg) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 4. Governance transition 4. Governance transition 4.1 FUNDAMENTAL RIGHTS 4.2 Rule of law index (z-score) 4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 4.3 TRANSPARENCY 57.0 34 57.0 -  4.3.1 Corruption perceptions index (0-100) 57.0 34 57.0 -  4.3.2 Basel anti-money laundering index (0-101)	2.3	FREE OR NON-REMUNERATED TIME:	48.7	46	61.3	<b>†</b>	
2.4.1 Gini coefficient disposable income post taxes and transfers (0-100) 2.4.2 Income share held by the poorest quintile (%)  3. Environmental transition  58 44.7  3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3.2 BIODIVERSITY  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.2.3 Pesticide use per area of cropland (kg/ha) 3.2 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per kg) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  4. Governance transition  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  3.5 Sa.4 Sasel anti-money laundering index (0-100)  57.0 34 57.0 -  4.3.2 Basel anti-money laundering index (0-100)  57.0 34 57.0 -	2.4			24	72.2	-	
2.4.2 Income share held by the poorest quintile (%)  7.3 34 66.3 -  3. Environmental transition  58 44.7 ↑  3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3.2 BIODIVERSITY  68 30.0 №  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.2.3 Pesticide use per area of cropland (kg/ha)  3.4 ENERGY PRODUCTIVITY: Resource productivity (PPPS per koe)  7.7 59 38.4 ↑  4. Governance transition  18 76.8 -  4.1 FUNDAMENTAL RIGHTS  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  3.5 55.2 -  4.3.1 Corruption perceptions index (0-100)  4.5 30 54.0 -		Gini coefficient disposable income post taxes and transfers	31.6	22			
3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3.2 BIODIVERSITY 5.2 Firestrial key biodiversity areas (KBAs) protected (%) 3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.2.3 Pesticide use per area of cropland (kg/ha) 3.2 RESOURCE PRODUCTIVITY: Resource productivity (PPPŞ per kg) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPŞ per koe) 4. Governance transition 4.1 FUNDAMENTAL RIGHTS 4.1.1 Voice and accountability index (z-score) 4.1.2 Rule of law index (z-score) 4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 4.3 TRANSPARENCY 4.3.1 Corruption perceptions index (0-100) 57.0 34 57.0 4.3.2 Basel anti-money laundering index (0-10) 4.6 30 54.0	2.4.2		7.3	34	66.3		
3.2 BIODIVERSITY  3.2 BIODIVERSITY  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.2.3 Pesticide use per area of cropland (kg/ha)  3.4 RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per koe)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)  4.1 FUNDAMENTAL RIGHTS  4.1 FUNDAMENTAL RIGHTS  4.1 Voice and accountability index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  4.5 Basel anti-money laundering index (0-101)	3.	Environmental transition		58	44.7	1	
3.2 BIODIVERSITY  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.2.5 53 32.5 -  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.3.8 Pesticide use per area of cropland (kg/ha)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)  4.0 9 67.0 ↑  4.1 FUNDAMENTAL RIGHTS  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  4.5 Basel anti-money laundering index (0-10)  57.0 34 57.0 -  4.3.2 Basel anti-money laundering index (0-10)  57.0 34 57.0 -	3.1		13.6	62	43.3	и	
3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.2.3 Pesticide use per area of cropland (kg/ha) 12.4 61 11.6 ↓  3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPPŞ per kg) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPŞ per koe) 7.7 59 38.4 ↑  4. Governance transition 18 76.8 −  4.1 FUNDAMENTAL RIGHTS 26 83.9 −  4.1.1 Voice and accountability index (z-score) 0.8 33 78.7 −  4.1.2 Rule of law index (z-score) 1.2 22 89.2 −  4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 0.6 13 86.9 ₹  4.3 TRANSPARENCY 35 55.2 −  4.3.1 Corruption perceptions index (0-100) 57.0 34 57.0 −  4.3.2 Basel anti-money laundering index (0-10) 4.6 30 54.0 −	3.2			68	30.0	7	
3.2.3 Pesticide use per area of cropland (kg/ha)  3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)  4. Governance transition  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  4.5 30 54.0 −	3.2.1	Terrestrial key biodiversity areas (KBAs) protected (%)	32.5	53	32.5	- /	
3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)  7.7 59 38.4 ↑  4. Governance transition  18 76.8 −  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  57.0 34 57.0 −  4.3.2 Basel anti-money laundering index (0-10)  4.6 30 54.0 −	3.2.2	Freshwater key biodiversity areas (KBAs) protected (%)	36.8	42	36.8	-	
3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)  7.7 59 38.4 ↑  4. Governance transition  18 76.8 −  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  4.3.2 Basel anti-money laundering index (0-10)  3.4 57.0 −  4.5 30 54.0 −	3.2.3	Pesticide use per area of cropland (kg/ha)	12.4	61	11.6	<b>↓</b>	
4.       Governance transition       18       76.8       -         4.1       FUNDAMENTAL RIGHTS       26       83.9       -         4.1.1       Voice and accountability index (z-score)       0.8       33       78.7       -         4.1.2       Rule of law index (z-score)       1.2       22       89.2       -         4.2       SECURITY: Homicide rate (per 100,000 inhabitants)       0.6       13       86.9       7         4.3       TRANSPARENCY       35       55.2       -         4.3.1       Corruption perceptions index (0-100)       57.0       34       57.0       -         4.3.2       Basel anti-money laundering index (0-10)       4.6       30       54.0       -	3.3		4.0	9	67.0	1	
4.1       FUNDAMENTAL RIGHTS       26       83.9       -         4.1.1       Voice and accountability index (z-score)       0.8       33       78.7       -         4.1.2       Rule of law index (z-score)       1.2       22       89.2       -         4.2       SECURITY: Homicide rate (per 100,000 inhabitants)       0.6       13       86.9       7         4.3       TRANSPARENCY       35       55.2       -         4.3.1       Corruption perceptions index (0-100)       57.0       34       57.0       -         4.3.2       Basel anti-money laundering index (0-10)       4.6       30       54.0       -	3.4	ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)	7.7	59	38.4	<b>↑</b>	
4.1.1 Voice and accountability index (z-score)       0.8       33       78.7       -         4.1.2 Rule of law index (z-score)       1.2       22       89.2       -         4.2 SECURITY: Homicide rate (per 100,000 inhabitants)       0.6       13       86.9       7         4.3 TRANSPARENCY       35       55.2       -         4.3.1 Corruption perceptions index (0-100)       57.0       34       57.0       -         4.3.2 Basel anti-money laundering index (0-10)       4.6       30       54.0       -	4.	Governance transition		18	76.8	- ~~/	
4.1.2 Rule of law index (z-score)       1.2       22       89.2       -         4.2 SECURITY: Homicide rate (per 100,000 inhabitants)       0.6       13       86.9       7         4.3 TRANSPARENCY       35       55.2       -         4.3.1 Corruption perceptions index (0-100)       57.0       34       57.0       -         4.3.2 Basel anti-money laundering index (0-10)       4.6       30       54.0       -	4.1	FUNDAMENTAL RIGHTS		26	83.9	-	
4.2       SECURITY: Homicide rate (per 100,000 inhabitants)       0.6       13       86.9       7         4.3       TRANSPARENCY       35       55.2       -         4.3.1       Corruption perceptions index (0-100)       57.0       34       57.0       -         4.3.2       Basel anti-money laundering index (0-10)       4.6       30       54.0       -	4.1.1	Voice and accountability index (z-score)	0.8	33	78.7	-	
4.3       TRANSPARENCY       35       55.2       -         4.3.1       Corruption perceptions index (0-100)       57.0       34       57.0       -         4.3.2       Basel anti-money laundering index (0-10)       4.6       30       54.0       -	4.1.2	Rule of law index (z-score)	1.2	22	89.2	- ~	
4.3.1 Corruption perceptions index (0-100)       57.0       34       57.0       -         4.3.2 Basel anti-money laundering index (0-10)       4.6       30       54.0       -	4.2	SECURITY: Homicide rate (per 100,000 inhabitants)	0.6	13	86.9	7	
4.3.2 Basel anti-money laundering index (0-10) 4.6 30 54.0 -	4.3	TRANSPARENCY		35	55.2	~	
4.3.2 Basel anti-money laundering index (0-10) 4.6 30 54.0 -	4.3.1	Corruption perceptions index (0-100)	57.0	34	57.0		
4.4 SOUND PUBLIC FINANCES: Government gross debt (% of GDP) 40.1 25 90.2	4.3.2	Basel anti-money laundering index (0-10)	4.6	30	54.0		
1012 20 2012	4.4	SOUND PUBLIC FINANCES: Government gross debt (% of GDP)	40.1	25	90.2	N N	

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

Note: Progress lines use automatic scaling.

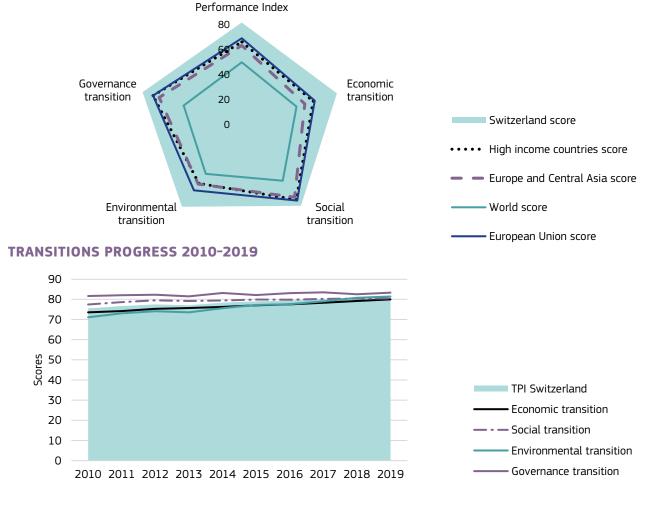


+ SWITZERLAND			
POPULATION (million inhabitants)	8.5	GDP PER CAPITA (current PPP\$)	66 196.1
GROSS DOMESTIC PRODUCT (GDP) (billion PPP\$)	565.6	TRADE (% of GDP)	119.4
SUMMARY INNOVATION INDEX (0-100)	83.7		

2019	TPI	TRANSITIONS					
2019	IPI	ECONOMIC SOCIA		ENVIRONMENTAL	GOVERNANCE		
Switzerland ranks	1	1	8	2	6		
Switzerland score	81.4	80.0	80.5	81.4	83.4		
World weighted average score	49.7	46.1	55.8	48.9	48.8		
High income countries score	66.0	60.0	74.4	58.4	74.5		
Europe and Central Asia score	63.1	53.1	72.0	59.1	69.5		
European Union score	68.8	61.4	75.4	65.2	74.5		

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

Transitions





C//	SWITZERLAND		2019			2010-2019	
JWIIZENEAND		VALUE	RANK	SCORE	SC	ORE PROGRESS	
TRANS	ITIONS PERFORMANCE INDEX		1	81.4	7		
1.	Economic transition		1	80.0	7		
1.1	EDUCATION: Government expenditure in education per student (% of GDP per capita)	21.9	8	87.6	7		
1.2	WEALTH: GDP per capita, current dollars (PPP\$)	66 196.1	6	88.3	<b>1</b>		
1.3	LABOUR PRODUCTIVITY & R&D INTENSITY		4	69.2	-		
1.3.1	Output per worker (2011 constant GDP PPP\$)	106 530.0	7	71.0	-		
1.3.2	Gross expenditure on R&D (% of GDP)	3.4	3	67.4	-		
1.4	INDUSTRIAL BASE		5	74.0	7	~	
1.4.1	Gross value added of manufacturing (% of GDP)	18.7	16	62.3	7	~~	
1.4.2	Patent families filed in two offices (per billion PPP\$ GDP)	8.6	4	91.5	7		
2.	Social transition		8	80.5	-	/	
2.1	HEALTH: Healthy life expectancy at birth (years)	72.4	3	91.3	-		
2.2	WORK AND INCLUSION		22	74.8	7		
2.2.1	Employment rate of the population aged 20-64 (%)	82.5	4	85.0	7		
2.2.2	Employment-to-population ratio gender gap 25+ (%)	12.4	23	82.3	7		
2.2.3	Early childhood care and education (%)	43.8	57	39.6	<b>1</b>		
2.3	FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)	63.5	4	88.2	7		
2.4	EQUALITY		27	71.6	7	~~	
2.4.1	Gini coefficient disposable income post taxes and transfers (0-100)	32.7	26	71.8	Ŋ		
2.4.2	Income share held by the poorest quintile (%)	7.7	25	71.3	7	<b>^</b>	
3.	Environmental transition		2	81.4	<b>1</b>		
3.1	EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)	6.2	24	74.2	7		
3.2	BIODIVERSITY		42	51.4	-	<b>\</b>	
3.2.1	Terrestrial key biodiversity areas (KBAs) protected (%)	35.2	50	35.2	-		
3.2.2	Freshwater key biodiversity areas (KBAs) protected (%)	60.1	31	60.1	-		
3.2.3	Pesticide use per area of cropland (kg/ha)	4.7	47	66.3	-	<b>\</b>	
3.3	RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)	6.0	1	100.0	<b>↑</b>		
3.4	ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)	23.4	1	100.0	7		
4.	Governance transition		6	83.4	-	~~~	
4.1	FUNDAMENTAL RIGHTS		3	96.0	-	<b></b>	
4.1.1	Voice and accountability index (z-score)	1.6	3	94.7	-	<b>-</b>	
4.1.2	Rule of law index (z-score)	1.9 3 97.3		97.3	-		
4.2	SECURITY: Homicide rate (per 100,000 inhabitants)	0.6 12 87.2		-	<b>///</b>		
4.3	TRANSPARENCY		13 64.2		-		
4.3.1	Corruption perceptions index (0-100)	85.0	3	85.0	7		
4.3.2	Basel anti-money laundering index (0-10)	5.0	40	50.4	7		
4.4	SOUND PUBLIC FINANCES: Government gross debt (% of GDP)	38.6	21	91.2	-	/	

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

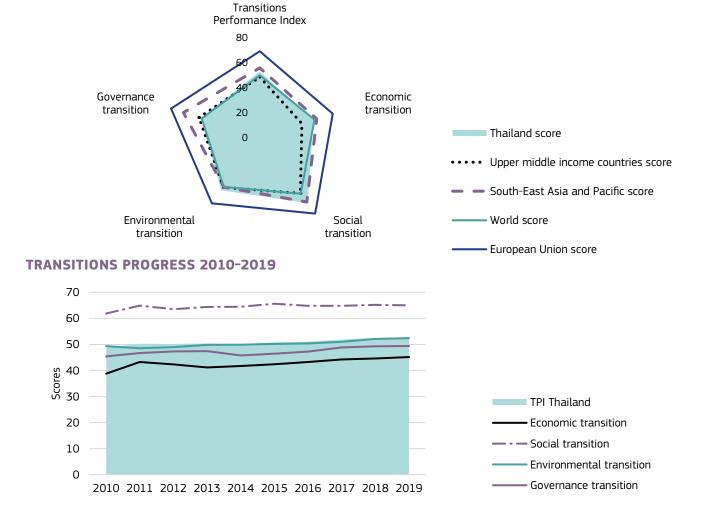
Note: Progress lines use automatic scaling.



<b>THAILAND</b>			
POPULATION (million inhabitants)	67.9	GDP PER CAPITA (current PPP\$)	20 364.5
GROSS DOMESTIC PRODUCT (GDP) (billion PPP\$)	1 383.0	TRADE (% of GDP)	110.3

2019	TPI	TRANSITIONS					
2019	IPI	ECONOMIC SOCIAL		ENVIRONMENTAL	GOVERNANCE		
Thailand ranks	46	42	39	42	58		
Thailand score	52.7	45.1	65.0	52.4	49.4		
World weighted average score	49.7	46.1	55.8	48.9	48.8		
Upper middle income countries score	48.2	35.4	55.4	49.4	51.2		
South-East Asia and Pacific score	55.6	47.9	64.0	49.0	64.1		
European Union score	68.8	61.4	75.4	65.2	74.5		

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]





THAILAND		2019			2010-2019	
		VALUE	RANK	SCORE	SCORE PROGRESS	
TRANS	ITIONS PERFORMANCE INDEX		46	52.7	7	
1.	Economic transition		42	45.1	1	
1.1	EDUCATION: Government expenditure in education per student (% of GDP per capita)	13.7	45	54.7	1	
1.2	WEALTH: GDP per capita, current dollars (PPP\$)	20 364.5	47	27.2	<b>↑</b>	
1.3	LABOUR PRODUCTIVITY & R&D INTENSITY		52	20.4	<b>↑</b>	
1.3.1	Output per worker (2011 constant GDP PPP\$)	31 203.6	60	20.8	<b>↑</b>	
1.3.2	Gross expenditure on R&D (% of GDP)	1.0	37	20.1	<b>↑</b>	
1.4	INDUSTRIAL BASE		12	64.1	7	
1.4.1	Gross value added of manufacturing (% of GDP)	26.9	5	89.7	<b>V</b>	
1.4.2	Patent families filed in two offices (per billion PPP\$ GDP)	0.1	60	25.5	<b>↑</b>	
2.	Social transition		39	65.0	- /	
2.1	HEALTH: Healthy life expectancy at birth (years)	64.0	55	63.3	-	
2.2	WORK AND INCLUSION		27	72.1	<u>v</u>	
2.2.1	Employment rate of the population aged 20-64 (%)	78.2	17	76.5	<u>и</u> и	
2.2.2	Employment-to-population ratio gender gap 25+ (%)	17.8	42	74.6	<u>v</u>	
2.2.3	Early childhood care and education (%)	55.0	36	58.4	<b>↑</b>	
2.3	FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)	49.0	43	61.8	- /	
2.4	EQUALITY		40	63.9	7	
2.4.1	Gini coefficient disposable income post taxes and transfers (0-100)	36.4	47	63.6	7	
2.4.2	Income share held by the poorest quintile (%)	7.2	35	65.0	<b>↑ /</b>	
3.	Environmental transition		42	52.4	-	
3.1	EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)	6.3	27	73.6	7	
3.2	BIODIVERSITY		31	63.6	-	
3.2.1	Terrestrial key biodiversity areas (KBAs) protected (%)	71.3	27	71.3	-	
3.2.2	Freshwater key biodiversity areas (KBAs) protected (%)	43.6	36	43.6	_	
3.2.3	Pesticide use per area of cropland (kg/ha)	1.7	24	88.1	<b>↑</b>	
3.3	RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)	1.6	52	26.2	<b>↑</b>	
3.4	ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)	9.2	52	46.2	7	
4.	Governance transition		58	49.4	7	
4.1	FUNDAMENTAL RIGHTS		63	33.3	<u>۷</u>	
4.1.1	Voice and accountability index (z-score)	(1.0)	65	15.7	<b>↓</b>	
4.1.2	Rule of law index (z-score)	0.0	47	50.9	<b>↑</b>	
4.2	SECURITY: Homicide rate (per 100,000 inhabitants)	2.6	54	64.7	1	
4.3	TRANSPARENCY		63	37.1	- ~~	
4.3.1	Corruption perceptions index (0-100)	36.0	57	36.0	<u>и</u> —	
4.3.2	Basel anti-money laundering index (0-10)	6.2	63	37.8	- ~~	
4.4	SOUND PUBLIC FINANCES: Government gross debt (% of GDP)	42.4	28	88.8	<u>у</u> к	

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

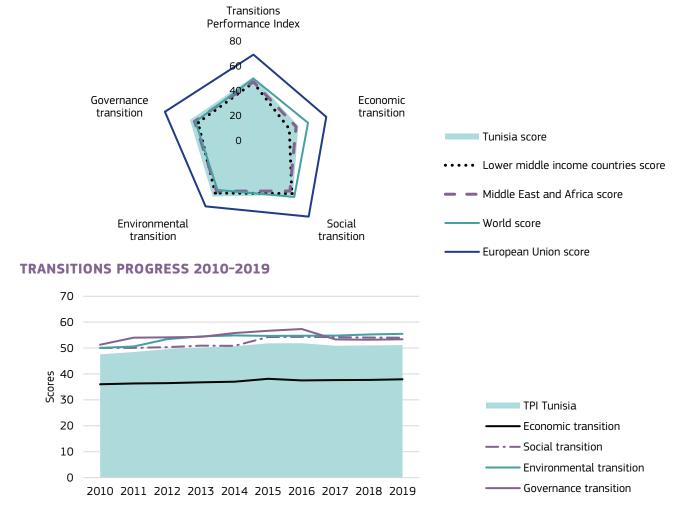
Note: Progress lines use automatic scaling.



© TUNISIA			
POPULATION (million inhabitants)	11.8	GDP PER CAPITA (current PPP\$)	12 661.3
GROSS DOMESTIC PRODUCT (GDP) (billion PPP\$)	149.2	TRADE (% of GDP)	110.5

2019	TPI	TRANSITIONS					
2019	IPI	ECONOMIC	SOCIAL	ENVIRONMENTAL	GOVERNANCE		
Tunisia ranks	48	51	57	36	52		
Tunisia score	51.1	37.9	54.0	55.5	53.4		
World weighted average score	49.7	46.1	55.8	48.9	48.8		
Lower middle income countries score	46.4	30.3	52.5	52.0	46.6		
Middle East and Africa score	47.1	35.9	49.9	50.2	49.6		
European Union score	68.8	61.4	75.4	65.2	74.5		

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]





TUNICIA			2019		2010-2019	
101	TUNISIA		RANK	SCORE	SCORE PROGRESS	
TRANS	ITIONS PERFORMANCE INDEX		48	51.1	7	
1.	Economic transition		51	37.9	-	
1.1	EDUCATION: Government expenditure in education per student (% of GDP per capita)	17.3	28	69.2	<b>↑</b>	
1.2	WEALTH: GDP per capita, current dollars (PPP\$)	12 661.3	62	16.9	<b>↑</b>	
1.3	LABOUR PRODUCTIVITY & R&D INTENSITY		57	18.7	- /	
1.3.1	Output per worker (2011 constant GDP PPP\$)	37 956.1	55	25.3	1	
1.3.2	Gross expenditure on R&D (% of GDP)	0.6	50	12.0	<b>↓</b>	
1.4	INDUSTRIAL BASE		62	33.6	<b>V</b>	
1.4.1	Gross value added of manufacturing (% of GDP)	14.3	29	47.6	<b>↓</b>	
1.4.2	Patent families filed in two offices (per billion PPP\$ GDP)	0.0	66	12.7	<b>↓</b>	
2.	Social transition		57	54.0	7	
2.1	HEALTH: Healthy life expectancy at birth (years)	65.3	45	67.6	7	
2.2	WORK AND INCLUSION		67	20.8	-	
2.2.1	Employment rate of the population aged 20-64 (%)	45.9	64	11.8	<b>↓</b> \	
2.2.2	Employment-to-population ratio gender gap 25+ (%)	48.5	66	30.8	<b>1</b>	
2.2.3	Early childhood care and education (%)	31.2	63	18.7	<b>1</b>	
2.3	FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)	36.4	62	39.0	<u>у</u>	
2.4	EQUALITY		26	71.8	<b>↑</b>	
2.4.1	Gini coefficient disposable income post taxes and transfers (0-100)	32.8	27	71.6	7	
2.4.2	Income share held by the poorest quintile (%)	7.8	24	72.5	<b>↑</b>	
3.	Environmental transition		36	55.5	7	
3.1	EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)	3.4	12	85.8	-	
3.2	BIODIVERSITY		38	53.1	<b>↑</b> _	
3.2.1	Terrestrial key biodiversity areas (KBAs) protected (%)	40.2	46	40.2	<b>↑</b> _	
3.2.2	Freshwater key biodiversity areas (KBAs) protected (%)	43.4	37	43.4	<b>↑</b> _	
3.2.3	Pesticide use per area of cropland (kg/ha)	0.2	3	98.6	У К	
3.3	RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)	1.4	55	23.2	1	
3.4	ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)	12.0	32	59.8	- /-	
4.	Governance transition		52	53.4	- /	
4.1	FUNDAMENTAL RIGHTS		46	55.0	1	
4.1.1	Voice and accountability index (z-score)	0.2	45	58.3	1	
4.1.2	Rule of law index (z-score)	0.0	45	51.6	N V	
4.2	SECURITY: Homicide rate (per 100,000 inhabitants)	3.1	56	61.2	ν κ	
4.3	TRANSPARENCY		60	39.0	<b>+</b> — — — —	
4.3.1	Corruption perceptions index (0-100)	43.0	45	43.0	-	
4.3.2	Basel anti-money laundering index (0-10)	6.4	66	36.3	<b>+</b> —	
4.4	SOUND PUBLIC FINANCES: Government gross debt (% of GDP)	74.4	55	68.1	<b>V</b>	
Trancit	ion leader [75-100] Strong transition [65-75] Good transition [55-65]	Modorato transition [	15-55[	Work transit	ion [0-45]	

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

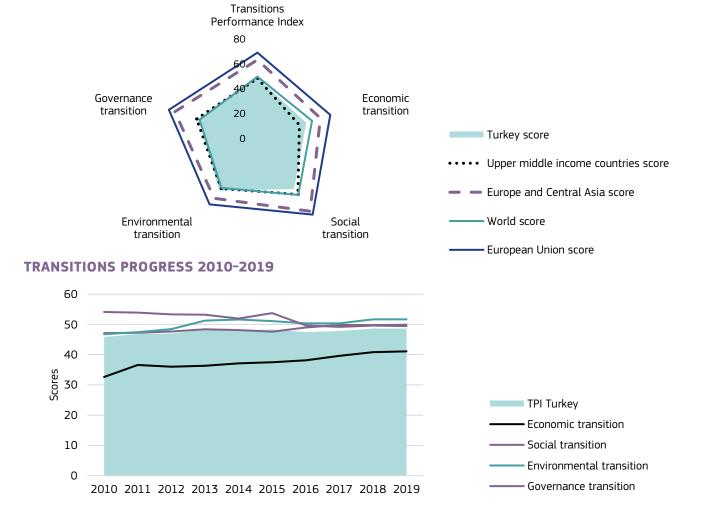
Note: Progress lines use automatic scaling.



<b>C</b> ∗ TURKEY			
POPULATION (million inhabitants)	83.0	GDP PER CAPITA (current PPP\$)	28 264.3
GROSS DOMESTIC PRODUCT (GDP) (billion PPP\$)	2 346.6	TRADE (% of GDP)	61.4
SUMMARY INNOVATION INDEX (0-100)	31.6		

2019	TDI	TRANSITIONS					
2019	IPI	ECONOMIC SOCIAL		ENVIRONMENTAL	GOVERNANCE		
Turkey ranks	52	48	62	44	57		
Turkey score	48.7	41.1	49.9	51.7	49.5		
World weighted average score	49.7	46.1	55.8	48.9	48.8		
Upper middle income countries score	48.2	35.4	55.4	49.4	51.2		
Europe and Central Asia score	63.1	53.1	72.0	59.1	69.5		
European Union score	68.8	61.4	75.4	65.2	74.5		

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]





TURKEY		2	019		2010-2019	
		VALUE	RANK	SCORE	SCORE PROGRESS	
TRANS	ITIONS PERFORMANCE INDEX		52	48.7	- /	
1.	Economic transition		48	41.1	1	
1.1	EDUCATION: Government expenditure in education per student (% of GDP per capita)	9.3	62	37.4	1	
1.2	WEALTH: GDP per capita, current dollars (PPP\$)	28 264.3	41	37.7	1	
1.3	LABOUR PRODUCTIVITY & R&D INTENSITY		34	33.7	<b>↑</b>	
1.3.1	Output per worker (2011 constant GDP PPP\$)	72 295.8	26	48.2	1	
1.3.2	Gross expenditure on R&D (% of GDP)	1.0	38	19.2	↑	
1.4	INDUSTRIAL BASE		26	52.1	7	
1.4.1	Gross value added of manufacturing (% of GDP)	19.0	14	63.5	<b>↑</b>	
1.4.2	Patent families filed in two offices (per billion PPP\$ GDP)	0.1	50	34.9	<b>V</b>	
2.	Social transition		62	49.9	- /	
2.1	HEALTH: Healthy life expectancy at birth (years)	64.4	51	64.8	7	
2.2	WORK AND INCLUSION		64	30.0	<b>↑</b>	
2.2.1	Employment rate of the population aged 20-64 (%)	55.6	58	31.2	1	
2.2.2	Employment-to-population ratio gender gap 25+ (%)	39.4	64	43.7	<b>↑</b>	
2.2.3	Early childhood care and education (%)	20.0	68	0.0	<b>7</b> —	
2.3	FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)	42.7	58	50.3	1	
2.4	EQUALITY		61	50.4	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
2.4.1	Gini coefficient disposable income post taxes and transfers (0-100)	41.9	63	51.3	<b>*</b>	
2.4.2	Income share held by the poorest quintile (%)	5.8	54	47.5	у	
3.	Environmental transition		44	51.7	7	
3.1	EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)	6.7	29	72.1	v v	
3.2	BIODIVERSITY		72	19.4	у ~	
3.2.1	Terrestrial key biodiversity areas (KBAs) protected (%)	2.5	72	2.5	-	
3.2.2	Freshwater key biodiversity areas (KBAs) protected (%)	4.4	67	4.4	- /	
3.2.3	Pesticide use per area of cropland (kg/ha)	2.3	35	83.5	<u>у</u> —	
3.3	RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)	2.2	34	36.4	1	
3.4	ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)	15.8	10	78.9	<b>1</b>	
4.	Governance transition		57	49.5	<u>и</u>	
4.1	FUNDAMENTAL RIGHTS		65	28.9	<b>V</b>	
4.1.1	Voice and accountability index (z-score)	(0.8)	63	20.2	<b>V</b>	
4.1.2	Rule of law index (z-score)	(0.3)	60	37.5	<b>V</b>	
4.2	SECURITY: Homicide rate (per 100,000 inhabitants)	2.6	55	64.6	<b>↑</b>	
4.3	TRANSPARENCY		59	39.3	<b>V</b>	
4.3.1	Corruption perceptions index (0-100)	41.0	49	41.0	<b>V</b>	
4.3.2	Basel anti-money laundering index (0-10)	6.2	62	38.1	<b>+</b> — — —	
4.4	SOUND PUBLIC FINANCES: Government gross debt (% of GDP)	30.1	11	96.7	7	
Trancit	ion leader [75-100] Strong transition [65-75] Good transition [55-65]	Moderate transition [4	5_55[	Work transit	ion [0-45]	

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

Note: Progress lines use automatic scaling.

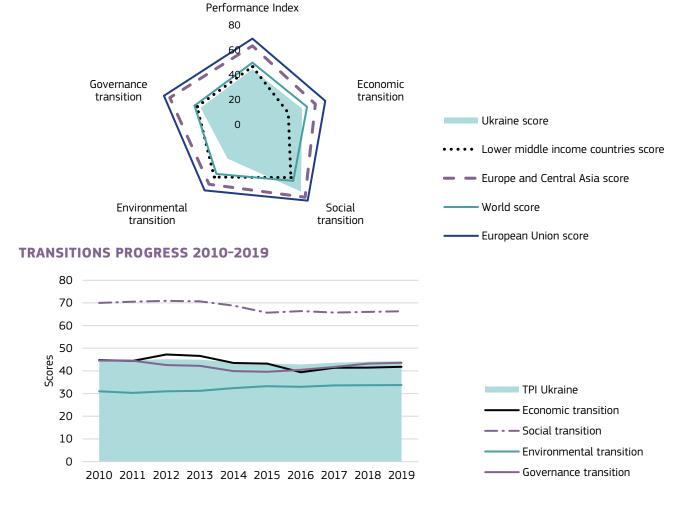


UKRAINE			
POPULATION (million inhabitants)	41.9	GDP PER CAPITA (current PPP\$)	9 774.6
GROSS DOMESTIC PRODUCT (GDP) (billion PPP\$)	409.3	TRADE (% of GDP)	90.2
SUMMARY INNOVATION INDEX (0-100)	16.7		

2019	TPI	TRANSITIONS					
2019	IPI	ECONOMIC SOCIAL		ENVIRONMENTAL	GOVERNANCE		
Ukraine ranks	65	46	38	68	64		
Ukraine score	44.3	41.8	66.3	33.8	43.5		
World weighted average score	49.7	46.1	55.8	48.9	48.8		
Lower middle income countries score	46.4	30.3	52.5	52.0	46.6		
Europe and Central Asia score	63.1	53.1	72.0	59.1	69.5		
European Union score	68.8	61.4	75.4	65.2	74.5		

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

Transitions





UKRAINE		2	2019		2010-2019
		VALUE	RANK	SCORE	SCORE PROGRESS
TRANS	ITIONS PERFORMANCE INDEX		65	44.3	<u>и</u> и
1.	Economic transition		46	41.8	7 ~
1.1	EDUCATION: Government expenditure in education per student (% of GDP per capita)	21.2	9	84.6	7
1.2	WEALTH: GDP per capita, current dollars (PPP\$)	9 774.6	65	13.0	1
1.3	LABOUR PRODUCTIVITY & R&D INTENSITY		64	11.5	<b>V</b>
1.3.1	Output per worker (2011 constant GDP PPP\$)	20 495.5	67	13.7	1
1.3.2	Gross expenditure on R&D (% of GDP)	0.5	60	9.4	<b>+</b>
1.4	INDUSTRIAL BASE		54	38.3	<b>+</b> \
1.4.1	Gross value added of manufacturing (% of GDP)	11.5	46	38.4	<b>↓</b>
1.4.2	Patent families filed in two offices (per billion PPP\$ GDP)	0.2	45	38.2	<b>+</b>
2.	Social transition		38	66.3	7
2.1	HEALTH: Healthy life expectancy at birth (years)	60.3	65	51.0	<b>↑</b>
2.2	WORK AND INCLUSION		48	57.9	<b>V</b>
2.2.1	Employment rate of the population aged 20-64 (%)	57.3	56	34.6	<b>V</b>
2.2.2	Employment-to-population ratio gender gap 25+ (%)	15.5	34	77.8	<u>и</u> \
2.2.3	Early childhood care and education (%)	58.7	32	64.5	<b>↓</b>
2.3	FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)	44.2	56	53.1	<b>+</b>
2.4	EQUALITY		4	89.5	y ~~~ v
2.4.1	Gini coefficient disposable income post taxes and transfers (0-100)	26.1	5	86.4	Z K
2.4.2	Income share held by the poorest quintile (%)	9.9	4	98.8	<u>v</u>
3.	Environmental transition		68	33.8	7
3.1	EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)	7.3	32	69.6	7
3.2	BIODIVERSITY		64	33.2	7
3.2.1	Terrestrial key biodiversity areas (KBAs) protected (%)	23.8	62	23.8	-
3.2.2	Freshwater key biodiversity areas (KBAs) protected (%)	17.5	62	17.5	-
3.2.3	Pesticide use per area of cropland (kg/ha)	2.3	36	83.4	7
3.3	RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)	0.7	70	12.3	7 \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\
3.4	ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)	4.0	71	19.8	1
4.	Governance transition		64	43.5	7
4.1	FUNDAMENTAL RIGHTS		60	36.5	7
4.1.1	Voice and accountability index (z-score)	(0.0)	54	49.5	-
4.1.2	Rule of law index (z-score)	(0.7)	69	23.6	7 ~~
4.2	SECURITY: Homicide rate (per 100,000 inhabitants)	6.2	65	45.4	<b>+</b>
4.3	TRANSPARENCY		65	36.7	<b>↑</b>
4.3.1	Corruption perceptions index (0-100)	32.0	67	32.0	↑ <b></b>
4.3.2	Basel anti-money laundering index (0-10)	6.0	60	39.9	<b>↑</b>
4.4	SOUND PUBLIC FINANCES: Government gross debt (% of GDP)	57.0	42	79.4	<b>→</b>
Trancit	ion leader [75-100] Strong transition [65-75] Good transition [55-65]	Moderate transition [	45_55[	Work transit	ion [0-45]

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

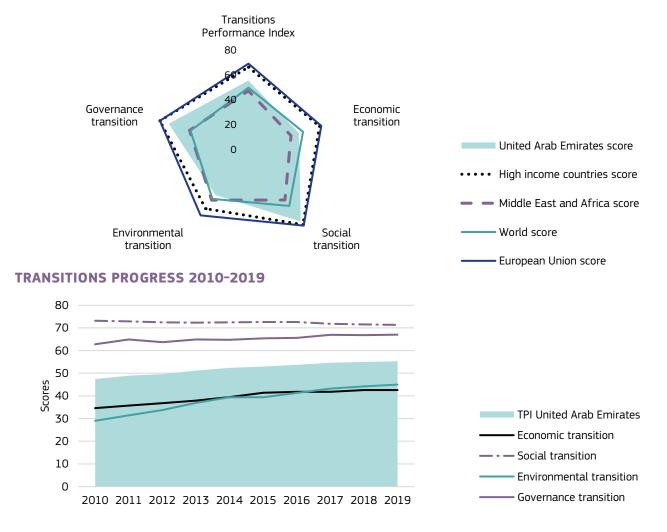
Note: Progress lines use automatic scaling.



UNITED ARAB EMIRATES						
POPULATION (million inhabitants)	10.7	GDP PER CAPITA (current PPP\$)	69 434.8			
GROSS DOMESTIC PRODUCT (GDP) (billion PPP\$)	746.4	TRADE (% of GDP)	160.9			

2019	TPI	TRANSITIONS					
2019	IPI	ECONOMIC	SOCIAL	ENVIRONMENTAL	GOVERNANCE		
United Arab Emirates ranks	41	43	29	56	35		
United Arab Emirates score	55.3	42.6	71.3	45.0	67.0		
World score	49.7	46.1	55.8	48.9	48.8		
High income countries score	66.0	60.0	74.4	58.4	74.5		
Middle East and Africa score	47.1	35.9	49.9	50.2	49.6		
European Union score	68.8	61.4	75.4	65.2	74.5		

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]





IIN	ITED ARAB EMIRATES	2019			2010-2019	
		VALUE	RANK	SCORE	SCO	RE PROGRES
	ITIONS PERFORMANCE INDEX		41	55.3	1	
	Economic transition		43	42.6	<b>1</b>	
1.1	EDUCATION: Government expenditure in education per student (% of GDP per capita)	5.0	69	20.2	-	
1.2	WEALTH: GDP per capita, current dollars (PPP\$)	69 434.8	5	92.6	<b>1</b>	
1.3	LABOUR PRODUCTIVITY & R&D INTENSITY		21	45.6	<b>1</b>	
1.3.1	Output per worker (2011 constant GDP PPP\$)	97 556.1	11	65.0	<b>1</b>	
1.3.2	Gross expenditure on R&D (% of GDP)	1.3	27	26.1	<b>1</b>	
1.4	INDUSTRIAL BASE		67	29.7	<b>1</b>	
1.4.1	Gross value added of manufacturing (% of GDP)	8.9	61	29.7	7	
1.4.2	Patent families filed in two offices (per billion PPP\$ GDP)	0.1	56	29.7	<b>1</b>	
•	Social transition		29	71.3	7	~
2.1	HEALTH: Healthy life expectancy at birth (years)	66.0	36	69.9	-	
2.2	WORK AND INCLUSION		37	67.2	-	~~
2.2.1	Employment rate of the population aged 20-64 (%)	91.3	1	100.0	_	
2.2.2	Employment-to-population ratio gender gap 25+ (%)	42.6	65	39.1	<b>1</b>	/
2.2.3	Early childhood care and education (%)	54.6	38	57.6	$\downarrow$	~~
2.3	FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)	61.4	8	84.4	<b>4</b>	<b>\</b>
2.4	EQUALITY		34	67.3	-	
2.4.1	Gini coefficient disposable income post taxes and transfers (0-100)	32.5	25	72.2	-	
2.4.2	Income share held by the poorest quintile (%)	6.2	49	52.5	-	
<b>5.</b>	Environmental transition		56	45.0	<b>1</b>	
3.1	EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)	21.0	71	12.6	<b>↑</b>	
3.2	BIODIVERSITY		33	57.9	<b>1</b>	_/_
3.2.1	Terrestrial key biodiversity areas (KBAs) protected (%)	57.9	32	57.9	<b>1</b>	_/_
3.2.2	Freshwater key biodiversity areas (KBAs) protected (%)	N/A	N/A	N/A	<b>1</b>	
3.2.3	Pesticide use per area of cropland (kg/ha)	N/A	N/A	N/A	<b>1</b>	
3.3	RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)	3.5	13	58.9	<b>1</b>	
3.4	ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)	10.1	46	50.7	<b>1</b>	~
	Governance transition		35	67.0	7	~~
4.1	FUNDAMENTAL RIGHTS		52	46.2	<b>1</b>	~~~
4.1.1	Voice and accountability index (z-score)	(1.1)	67	13.4	$\downarrow$	~
4.1.2	Rule of law index (z-score)	0.8	32	79.0	<b>1</b>	
4.2	SECURITY: Homicide rate (per 100,000 inhabitants)	0.5	5	89.4	7	<b>/</b>
4.3	TRANSPARENCY		36	54.4	_	^
4.3.1	Corruption perceptions index (0-100)	70.0	22	70.0	-	
4.3.2	Basel anti-money laundering index (0-10)	5.6	53	44.0	7	

Progress or decline in scores (2010-2019): ↓ below -10%, ≥ below 0%, - between 0% and 6.5%, → above 6.5%, ↑ above 13%.

Note: Progress lines use automatic scaling.

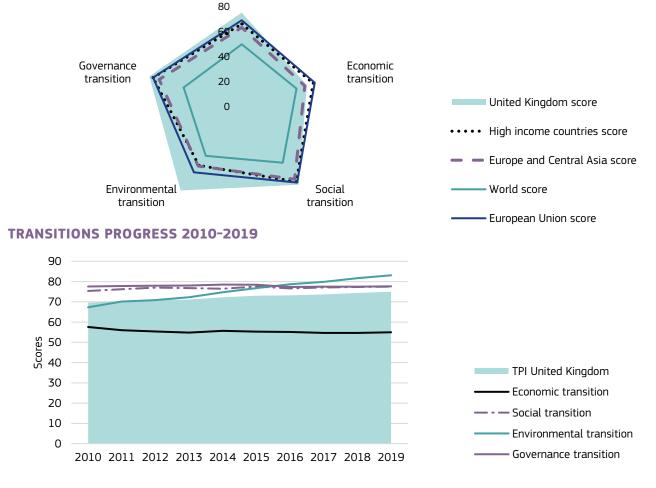


UNITED KINGDOM			
POPULATION (million inhabitants)	66.9	GDP PER CAPITA (current PPP\$)	46 827.0
GROSS DOMESTIC PRODUCT (GDP) (billion PPP\$)	3 131.2	TRADE (% of GDP)	64.3
SUMMARY INNOVATION INDEX (0-100)	61.3	DIGITAL ECONOMY AND SOCIETY INDEX (0-100)	60.4

2019	TPI	TRANSITIONS					
2019	IPI	ECONOMIC	SOCIAL	ENVIRONMENTAL	GOVERNANCE		
United Kingdom ranks	4	28	19	1	17		
United Kingdom score	75.0	54.9	77.5	83.1	77.7		
World weighted average score	49.7	46.1	55.8	48.9	48.8		
High income countries score	66.0	60.0	74.4	58.4	74.5		
Europe and Central Asia score	63.1	53.1	72.0	59.1	69.5		
European Union score	68.8	61.4	75.4	65.2	74.5		

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

Transitions Performance Index





LINI	ITED KINGDOM	2019			2010-2019		
UNITED KINGDOM		VALUE	RANK	SCORE	SCORE PROGRESS		
TRANS	ITIONS PERFORMANCE INDEX		4	75.0	7		
1.	Economic transition		28	54.9	7 \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		
1.1	EDUCATION: Government expenditure in education per student (% of GDP per capita)	16.4	34	65.7	<b>V</b>		
1.2	WEALTH: GDP per capita, current dollars (PPP\$)	46 827.0	21	62.4	<b>↑</b>		
1.3	LABOUR PRODUCTIVITY & R&D INTENSITY		24	43.8	- ~		
1.3.1	Output per worker (2011 constant GDP PPP\$)	81 369.6	23	54.2	-		
1.3.2	Gross expenditure on R&D (% of GDP)	1.7	21	33.3	-		
1.4	INDUSTRIAL BASE		35	46.6	<u>V</u>		
1.4.1	Gross value added of manufacturing (% of GDP)	8.6	64	28.7	<b>V</b>		
1.4.2	Patent families filed in two offices (per billion PPP\$ GDP)	2.3	18	73.6	<u>v</u>		
2.	Social transition		19	77.5	- /~~		
2.1	HEALTH: Healthy life expectancy at birth (years)	70.9	19	86.5	-		
2.2	WORK AND INCLUSION		8	80.7	7		
2.2.1	Employment rate of the population aged 20-64 (%)	78.7	12	77.4	<b>↑</b>		
2.2.2	Employment-to-population ratio gender gap 25+ (%)	11.5	17	83.6	- ~		
2.2.3	Early childhood care and education (%)	68.9	14	81.4	- ~~~		
2.3	FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)	60.4	10	82.6	<u>-</u>		
2.4	EQUALITY		36	66.3	<u>v</u>		
2.4.1	Gini coefficient disposable income post taxes and transfers (0-100)	34.8	39	67.1	7 \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		
2.4.2	Income share held by the poorest quintile (%)	7.1	36	63.8	7		
i.	Environmental transition		1	83.1	<b>↑</b>		
3.1	EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)	7.7	36	67.9	1		
3.2	BIODIVERSITY		11	84.3	7		
3.2.1	Terrestrial key biodiversity areas (KBAs) protected (%)	84.3	13	84.3	-		
3.2.2	Freshwater key biodiversity areas (KBAs) protected (%)	88.1	13	88.1	- /		
3.2.3	Pesticide use per area of cropland (kg/ha)	3.2	41	76.9	٨		
3.3	RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)	5.6	3	94.0	<b>†</b>		
3.4	ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)	17.2	6	86.2	^		
<b>1</b> .	Governance transition		17	77.7	-		
4.1	FUNDAMENTAL RIGHTS		14	93.3	- ///		
4.1.1	Voice and accountability index (z-score)	1.4	14	91.7	- /		
4.1.2	Rule of law index (z-score)	1.6	14	94.9	7 V		
4.2	SECURITY: Homicide rate (per 100,000 inhabitants)	1.2	31	78.1	N V		
4.3	TRANSPARENCY		7	67.2			
4.3.1	Corruption perceptions index (0-100)	80.0	11	80.0	7		
4.3.2	Basel anti-money laundering index (0-10)	4.1	19	58.7	- ~		
4.4	SOUND PUBLIC FINANCES: Government gross debt (% of GDP)	85.9	59	60.7	<b>V</b>		

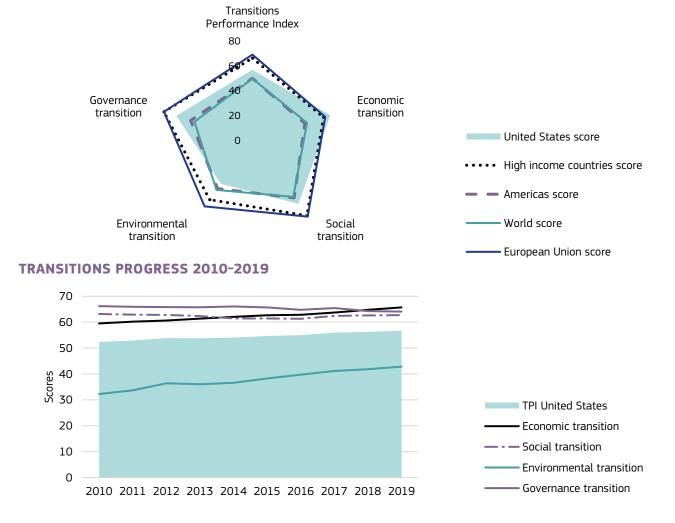
<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45] Progress or decline in scores (2010-2019): ↓ below -10%, ы below 0%, - between 0% and 6.5%, ¬ above 6.5%, ↑ above 13%. Note: Progress lines use automatic scaling.



UNITED STATES			
POPULATION (million inhabitants)	329.3	GDP PER CAPITA (current PPP\$)	65 111.6
GROSS DOMESTIC PRODUCT (GDP) (billion PPP\$)	21 439.5	TRADE (% of GDP)	26.4
SUMMARY INNOVATION INDEX (0-100)	48.6		

2019	TPI	TRANSITIONS					
2019	IPI	ECONOMIC	SOCIAL	ENVIRONMENTAL	GOVERNANCE		
United States ranks	38	14	42	59	40		
United States score	56.7	65.7	62.7	42.8	64.1		
World score	49.7	46.1	55.8	48.9	48.8		
High income countries score	66.0	60.0	74.4	58.4	74.5		
Americas score	49.8	44.2	56.7	47.5	52.0		
European Union score	68.8	61.4	75.4	65.2	74.5		

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]





TRANSITIONS PERFORMANCE INDEX         38         56.7         2           1.         Economic transition         14         65.7         2           1.1         EDUCATION: Government expenditure in education per student (% of GDP per capita.)         15.6         38         62.4         2           1.2         WEALTH: GDP per capita. current dollars (PPPS)         65 111.6         7         86.8         ↑           1.3         LABOUR PRODUCTIVITY & R&D INTENSITY         5         66.7         -           1.3.1         Output per worker (2011 constant GDP PPPS)         116 384.5         6         77.6         7           1.3.2         Gross value added of manufacturing (% of GDP)         2.8         9         55.8         -           1.4.1         Gross value added of manufacturing (% of GDP)         11.2         50         37.2         y           1.4.2         Patent families filed in two offices (per billion PPPS GDP)         3.6         14         79.7         y           2.         Social transition         42         62.7         y         42         62.7         y           2.         WORK AND INCLUSION         36         67.5         -         7.5         31         67.0         -           2.2.1	HIN	ED STATES 2019			2010-2019	
1. Economic transition 1.1 EDUCATION: Government expenditure in education per student (% of GDP per capita.) 1.1 EDUCATION: Government expenditure in education per student (% of GDP per capita.) 1.2 WEALTH: GDP per capita; current dollars (PPPS) 1.3 LABOUR PRODUCTIVITY & R&D INTENSITY 1.3.1 Output per worker (2011 constant GDP PPPS) 1.3.2 Gross expenditure on R&D (% of GDP) 1.3.3 Gross expenditure on R&D (% of GDP) 1.4 INDUSTRIAL BASE 1.4.1 Gross value added of manufacturing (% of GDP) 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 1.4.2 Education (%) 1.4.4 Education (%) 1.4.5 A Social transition 1.4 EALTH: Healthy life expectancy at birth (years) 1.4 Employment rate of the population aged 20-64 (%) 1.4 Education (%) 1.5 Education (%) 1.5 Education (%) 1.5 Education (%) 1.6 Education (%) 1.7 Education (%) 1.7 Education (%) 1.7 Education (%) 1.8 Education (%) 1.9 Education (%) 1.9 Education (%) 1.1	UNITED STATES		VALUE	RANK	SCORE	SCORE PROGRESS
1.1 EDUCATION: Government expenditure in education per student (% of GDP per capita)  1.2 WEALTH: GDP per capita, current dollars (PPPS)  1.3 LABOUR PRODUCTIVITY & R&D INTENSITY  1.3.1 Output per worker (2011 constant GDP PPPS)  1.3.2 Gross expenditure on R&D (% of GDP)  1.3.2 Gross expenditure on R&D (% of GDP)  1.4 INDUSTRIAL BASE  1.4.1 Gross value added of manufacturing (% of GDP)  1.4.2 Patent families filed in two offices (per billion PPPS GDP)  2. Social transition  2. WORK AND INCLUSION  2. Employment rate of the population aged 20-64 (%)  2.2.2 Employment-to-population ratio gender gap 25+ (%)  2.2.3 Early childhood care and education (%)  2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  2.4 EQUALITY  2.4 EQUALITY  2.5 Gini coefficient disposable income post taxes and transfers  3.1 (Conces per apita)  3.2 BIODIVERSITY  3.3 BIODIVERSITY  3.4 ENISSIONS REDUCTION: Gross greenhouse gas emissions (10-10-00)  3.5 Environmental transition  3.6 ENISSIONS REDUCTION: Gross greenhouse gas emissions (10-10-00)  3.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.2 BIODIVERSITY  3.3 PESSOURCE PRODUCTIVITY: Resource productivity (PPPS per kg)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  3.5 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  3.6 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  3.7 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  3.5 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  3.6 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  3.7 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  3.8 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  3.9 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  3.1 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  3.2	TRANS	ITIONS PERFORMANCE INDEX		38	56.7	7
1.1 (% of GDP per capita)  1.2 WEALTH: GDP per capita, current dollars (PPPS)  1.3 LABOUR PRODUCTIVITY & R&D INTENSITY  1.3.1 Output per worker (2011 constant GDP PPPS)  1.3.2 Gross expenditure on R&D (% of GDP)  1.4 INDUSTRIAL BASE  1.4.1 Gross value added of manufacturing (% of GDP)  1.4.2 Patent families filed in two offices (per billion PPPS GDP)  2. Social transition  2. WORK AND INCLUSION  2.1 HEALTH: Healthy life expectancy at birth (years)  2.2 WORK AND INCLUSION  2.2.2 Employment rate of the population aged 20-64 (%)  2.2.3 Early childhood care and education (%)  2.3 FREE OR NON-REMUNERATED TIME:  FREE OR NON-REMUNERATED TIME:  FREE OR NON-REMUNERATED TIME:  Gini coefficient disposable income post taxes and transfers (0-100)  2.4 EQUALITY  2.4 Gini coefficient disposable income post taxes and transfers (0-100)  2.4 EQUALITY  3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (10-100)  2.4 EINCOMERSHY  3.2 BIODIVERSITY  3.3 ENvironmental transition  5.9 42.8 ↑  5. Environmental transition  5.9 42.8 ↑  5.0 Environmental transition  5.0 17.8 ↑  Company of the property of the population of the popula	1.			14	65.7	7
1.3 LABOUR PRODUCTIVITY & R&D INTENSITY  1.3.1 Output per worker (2011 constant GDP PPPS)  1.3.2 Gross expenditure on R&D (% of GDP)  2.8 9 55.8 -  1.4 INDUSTRIAL BASE  2.3 54.2 V  1.4.1 Gross value added of manufacturing (% of GDP)  1.4.2 Patent families filed in two offices (per billion PPPS GDP)  2. Social transition  4. 62.7 V  2. WORK AND INCLUSION  2. Employment rate of the population aged 20-64 (%)  2.2.1 Employment rate of the population ratio gender gap 25+ (%)  2.2.2 Employment-to-population ratio gender gap 25+ (%)  2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  2.4 EQUALITY  2.4.1 Gini coefficient disposable income post taxes and transfers (O-100)  2.4.2 Income share held by the poorest quintile (%)  3. EMISSIONS REDUCTION: Gross greenhouse gas emissions (O-100)  3. EMISSIONS REDUCTION: Gross greenhouse gas emissions (Done Sper Capita)  3. EMISSIONS REDUCTION: Gross greenhouse gas emissions (Done Sper Capita)  3. EMISSIONS REDUCTION: Gross greenhouse gas emissions (Done Sper Capita)  3. Emissions REDUCTION: Gross greenhouse gas emissions (Done Sper Capita)  3. Emissions REDUCTION: Gross greenhouse gas emissions (Done Sper Capita)  3. Emissions REDUCTION: Gross greenhouse gas emissions (Done Sper Capita)  3. Emissions REDUCTION: Gross greenhouse gas emissions (Done Sper Capita)  3. Emissions REDUCTION: Gross greenhouse gas emissions (Done Sper Capita)  3. Emissions REDUCTION: Gross greenhouse gas emissions (Done Sper Capita)  3. Emissions REDUCTION: Gross greenhouse gas emissions (Done Sper Capita)  3. Emissions REDUCTION: Gross greenhouse gas emissions (Done Sper Capita)  3. RESOURCE PRODUCTIVITY: Resource productivity (PPPS per koe)  3. ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  3. ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)	1.1	·	15.6	38	62.4	7
1.3.1 Output per worker (2011 constant GDP PPPS) 1.3.2 Gross expenditure on R&D (% of GDP) 2.8 9 55.8 - 1.4 INDUSTRIAL BASE 2.3 54.2 \times 1.4.1 Gross value added of manufacturing (% of GDP) 1.1.2 50 37.2 \times 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 2. Social transition 2.1 HEALTH: Healthy life expectancy at birth (years) 2.2 WORK AND INCLUSION 3.6 67.5 - 2.2.1 Employment rate of the population aged 20-64 (%) 2.2.2 Employment rate of the population aged 20-64 (%) 2.2.3 Early childhood care and education (%) 2.4 EQUALITY 2.5 EQUALITY 3.6 GROSS AGE (No. 1 A A A A A A A A A A A A A A A A A A	1.2	WEALTH: GDP per capita, current dollars (PPP\$)	65 111.6	7	86.8	<b>↑</b>
1.3.2 Gross expenditure on R&D (% of GDP)  1.4 INDUSTRIAL BASE  1.4.1 Gross value added of manufacturing (% of GDP)  1.4.2 Patent families filed in two offices (per billion PPPS GDP)  2. Social transition  2. HEALTH: Healthy life expectancy at birth (years)  2. WORK AND INCLUSION  2. Employment rate of the population aged 20-64 (%)  2.2.1 Employment rate of the population aged 20-64 (%)  2.2.2 Employment-to-population ratio gender gap 25+ (%)  2.2.3 Early childhood care and education (%)  2.3 FREE OR NON-REMUNERATED TIME:	1.3	LABOUR PRODUCTIVITY & R&D INTENSITY		5	66.7	<del>-</del> ~
1.4 INDUSTRIAL BASE 1.4.1 Gross value added of manufacturing (% of GDP) 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 2. Social transition 2.1 HEALTH: Healthy life expectancy at birth (years) 2.2 WORK AND INCLUSION 2.2.1 Employment rate of the population aged 20-64 (%) 2.2.2 Employment-to-population ratio gender gap 25+ (%) 2.2.3 Early childhood care and education (%) 2.3 FREE OR NON-REMUNERATED TIME: 2.4 EQUALITY 2.4.1 Gini coefficient disposable income post taxes and transfers (0-100) 2.4.2 Income share held by the poorest quintile (%) 3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3.2 BIODIVERSITY 3.2 Frestwater key biodiversity areas (KBAs) protected (%) 3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per koe) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 3.5 ERREGY PRODUCTIVITY: Energy productivity (PPPS per koe) 3.6 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 3.7 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 3.8 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 3.9 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 3.1 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 3.2 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 3.5 Energy PRODUCTIVITY: Energy productivity (PPPS per koe) 3.6 5 36 37 45.3 The productivity (PPPS per koe) 3.7 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 3.8 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 3.9 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 3.0 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 3.0 ENERGY PRODU	1.3.1	Output per worker (2011 constant GDP PPP\$)	116 384.5	6	77.6	7
1.4.1 Gross value added of manufacturing (% of GDP) 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 2. Social transition 2.1 HEALTH: Healthy life expectancy at birth (years) 2.2 WORK AND INCLUSION 3.6 66.9 32 73.2 32 2.2 WORK AND INCLUSION 3.6 67.5 - 2.1 Employment rate of the population aged 20-64 (%) 2.2.2 Employment-to-population ratio gender gap 25+ (%) 2.2.3 Early childhood care and education (%) 4.6.3 52 43.8 - 2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%) 2.4 EQUALITY 2.4.1 Gini coefficient disposable income post taxes and transfers (0-100) 2.4.2 Income share held by the poorest quintile (%) 5.1 65 38.8 -  3. Environmental transition 59 42.8 ↑ 3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3.2 BIODIVERSITY 44 49.0 - 3.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.3 Pesticide use per area of cropland (kg/ha) 3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per koe) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 9.1 53 45.3 ↑	1.3.2	Gross expenditure on R&D (% of GDP)	2.8	9	55.8	- \
1.4.2 Patent families filed in two offices (per billion PPPS GDP)  2. Social transition  2.1 HEALTH: Healthy life expectancy at birth (years)  2.2 WORK AND INCLUSION  2.3 6 67.5  2.2.1 Employment rate of the population aged 20-64 (%)  2.2.2 Employment-to-population ratio gender gap 25+ (%)  2.2.3 Early childhood care and education (%)  2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  2.4 EQUALITY  2.4.1 Gini coefficient disposable income post taxes and transfers  2.4.2 Income share held by the poorest quintile (%)  3.5 Environmental transition  3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3.2 BIODIVERSITY  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.3 Pesticide use per area of cropland (kg/ha)  3.4 ENERGY PRODUCTIVITY: Resource productivity (PPPS per koe)  3.5 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  3.6 2.7   3.7   4.7   4.7   4.7   4.7   4.7   4.7   4.7   4.7   4.7   4.8   4.9   4.9   4.9   4.9   4.0   4.1   4.0   4.0   4.1   4.0   4.0   4.1   4.0   4	1.4	INDUSTRIAL BASE		23	54.2	<u>v</u>
2. Social transition  2.1 HEALTH: Healthy life expectancy at birth (years)  2.2 WORK AND INCLUSION  3.6 67.5 −  2.2.1 Employment rate of the population aged 20-64 (%)  2.2.2 Employment-to-population ratio gender gap 25+ (%)  2.2.3 Early childhood care and education (%)  2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  2.4 EQUALITY  2.4.1 Gini coefficient disposable income post taxes and transfers (0-100)  2.4.2 Income share held by the poorest quintile (%)  3. Environmental transition  5. Environmental transition  5. Environmental transition  5. ENSISIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3.2 BIODIVERSITY  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per koe)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  9.1 53 45.3 ↑	1.4.1	Gross value added of manufacturing (% of GDP)	11.2	50	37.2	<u>v</u>
2.1 HEALTH: Healthy life expectancy at birth (years)  2.2 WORK AND INCLUSION  2.2.1 Employment rate of the population aged 20-64 (%)  2.2.2 Employment-to-population ratio gender gap 25+ (%)  2.2.3 Early childhood care and education (%)  2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  2.4 EQUALITY  2.5 Gini coefficient disposable income post taxes and transfers (0-100)  2.4.2 Income share held by the poorest quintile (%)  3.1 ENISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3.2 BIODIVERSITY  3.3 Pesticide use per area of cropland (kg/ha)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  9.1 53 45.3 ↑	1.4.2	Patent families filed in two offices (per billion PPP\$ GDP)	3.6	14	79.7	<u>v</u>
2.2 WORK AND INCLUSION  2.2.1 Employment rate of the population aged 20-64 (%)  2.2.2 Employment-to-population ratio gender gap 25+ (%)  2.2.3 Early childhood care and education (%)  2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  2.4 EQUALITY  2.5 Gini coefficient disposable income post taxes and transfers (0-100)  2.4.2 Income share held by the poorest quintile (%)  3.1 Environmental transition  59 42.8 ↑  3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3.2 BIODIVERSITY  3.3 Pesticide use per area of cropland (kg/ha)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  9.1 53 45.3 ↑	2.	Social transition		42	62.7	N V
2.2.1 Employment rate of the population aged 20-64 (%)  2.2.2 Employment-to-population ratio gender gap 25+ (%)  14.1 30 79.9 30  2.2.3 Early childhood care and education (%)  2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  2.4 EQUALITY  2.4.1 Gini coefficient disposable income post taxes and transfers (0-100)  2.4.2 Income share held by the poorest quintile (%)  3. Environmental transition  59 42.8 ↑  3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3.2 BIODIVERSITY  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per koe)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  9.1 53 45.3 ↑	2.1	HEALTH: Healthy life expectancy at birth (years)	66.9	32	73.2	<u>v</u>
2.2.2 Employment-to-population ratio gender gap 25+ (%)  2.2.3 Early childhood care and education (%)  2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  2.4 EQUALITY  2.4.1 Gini coefficient disposable income post taxes and transfers (0-100)  2.4.2 Income share held by the poorest quintile (%)  3. Environmental transition  59 42.8  51. EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3.2 BIODIVERSITY  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per koe)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)  9.1 53 45.3 ↑	2.2	WORK AND INCLUSION		36	67.5	- ~ _
2.2.3 Early childhood care and education (%)  2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  2.4 EQUALITY  2.4.1 Gini coefficient disposable income post taxes and transfers (0-100)  2.4.2 Income share held by the poorest quintile (%)  3.1 Environmental transition  3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3.2 BIODIVERSITY  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per koe)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)  9.1 53 45.3 ↑	2.2.1	Employment rate of the population aged 20-64 (%)	73.5	31	67.0	7
2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  2.4 EQUALITY  2.4.1 Gini coefficient disposable income post taxes and transfers (0-100)  2.4.2 Income share held by the poorest quintile (%)  3. Environmental transition  5. EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3.2 BIODIVERSITY  4.4 49.0 -  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.3.3 Pesticide use per area of cropland (kg/ha)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  5. 2.8 34 68.7	2.2.2	Employment-to-population ratio gender gap 25+ (%)	14.1	30	79.9	<u>у</u>
2.5 Free or non-remunerated time (%)  2.4 EQUALITY  2.4.1 Gini coefficient disposable income post taxes and transfers (0-100)  2.4.2 Income share held by the poorest quintile (%)  3. Environmental transition  3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3.2 BIODIVERSITY  3.3 BIODIVERSITY  3.4 49.0 −  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPPŞ per kg)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPŞ per koe)  3.5 A Section of the	2.2.3	Early childhood care and education (%)	46.3	52	43.8	-
2.4 EQUALITY  2.4.1 Gini coefficient disposable income post taxes and transfers (0-100)  2.4.2 Income share held by the poorest quintile (%)  3. Environmental transition  59 42.8 ↑  3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3.2 BIODIVERSITY  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.2.3 Pesticide use per area of cropland (kg/ha)  3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per koe)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)  9.1 53 45.3 ↑	2.3		52.8	34	68.7	и
2.4.1 (0-100)  2.4.2 Income share held by the poorest quintile (%)  5.1 65 38.8 −  3. Environmental transition  59 42.8 ↑  3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3.2 BIODIVERSITY  44 49.0 −  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.2.3 Pesticide use per area of cropland (kg/ha)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)  9.1 53 45.5 ↑	2.4			62	49.0	<u>v</u>
3. Environmental transition  59 42.8  19.7 69 17.8  19.7 6	2.4.1		41.4	61	52.4	٨ ٨
3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3.2 BIODIVERSITY  44 49.0 -  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.2.3 Pesticide use per area of cropland (kg/ha)  3.6 SESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)  3.6 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)  3.7 Freshwater key biodiversity areas (KBAs) protected (%)  3.8 SESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per koe)  3.9 Freshwater key biodiversity areas (KBAs) protected (%)  3.1 Freshwater key biodiversity areas (KBAs) protected (%)  3.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.3 Freshwater key biodiversity areas (KBAs) protected (%)  3.6 Freshwater key biodiversity areas (KBAs) protected (%)  3.7 Freshwater key biodiversity areas (KBAs) protected (%)  3.8 Freshwater key biodiversity areas (KBAs) protected (%)  3.9 Freshwater key biodiversity areas (KBAs) protected (%)  3.1 Freshwater key biodiversity areas (KBAs) protected (%)  3.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.3 Freshwater key biodiversity areas (KBAs) protected (%)  3.5 Freshwater key biodiversity areas (KBAs) protected (%)  3.6 Freshwater key biodiversity areas (KBAs) protected (%)  3.7 Freshwater key biodiversity areas (KBAs) protected (%)  3.8 Freshwater key biodiversity areas (KBAs) protected (%)  3.9 Freshwater key biodiversity areas (KBAs) protected (%)  3.1 Freshwater key biodiversity areas (KBAs) protected (%)  3.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.7 Freshwater key biodiversity areas (KBAs) protected (%)  3.8 Freshwater key biodiversity areas (KBAs) protected (%)  3.9 Freshwater key biodiversity areas (KBAs) protected (%)  3.1 Freshwater key biodiversity areas (KBAs) protected (%)  3.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.8 Freshwater key biodiversity areas (KBAs) protected (%)  3.9 Freshwater key biodiversity areas (KBAs) protected (%)  3.1 Freshwater	2.4.2	Income share held by the poorest quintile (%)	5.1	65	38.8	_
3.2 BIODIVERSITY  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.2.3 Pesticide use per area of cropland (kg/ha)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)  3.5 In tonnes per capita)  44	3.	Environmental transition		59	42.8	1
3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.3.3 52 33.3 −  3.2.3 Pesticide use per area of cropland (kg/ha)  2.5 38 81.9   3.6 11 59.2 ↑  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)  9.1 53 45.3 ↑	3.1		19.7	69	17.8	<b>↑</b>
3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.3.3 52 33.3 − 3.2.3 Pesticide use per area of cropland (kg/ha) 2.5 38 81.9 3 3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe) 9.1 53 45.3 ↑	3.2	BIODIVERSITY		44	49.0	- ~
3.2.3 Pesticide use per area of cropland (kg/ha)  2.5 38 81.9  3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)  3.6 11 59.2 ↑  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)  9.1 53 45.3 ↑	3.2.1	Terrestrial key biodiversity areas (KBAs) protected (%)	48.3	37	48.3	-
3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)  3.6 11 59.2 ↑  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe) 9.1 53 45.3 ↑	3.2.2	Freshwater key biodiversity areas (KBAs) protected (%)	33.3	52	33.3	-
3.5 (PPP\$ per kg) 3.6 11 59.2 1  3.7 Service State of the service	3.2.3	Pesticide use per area of cropland (kg/ha)	2.5	38	81.9	7
	3.3		3.6	11	59.2	<b>↑</b>
	3.4	ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)	9.1	53	45.3	1
4. Governance transition 40 64.1 \(\sigma\)	4.	Governance transition		40	64.1	7
4.1 FUNDAMENTAL RIGHTS 20 88.9	4.1	FUNDAMENTAL RIGHTS		20	88.9	<u>и</u> ~~
4.1.1 Voice and accountability index (z-score)  1.0 24 85.1	4.1.1	Voice and accountability index (z-score)	1.0	24	85.1	7 ~~~ K
4.1.2 Rule of law index (z-score) 1.5 18 92.7 💆	4.1.2	Rule of law index (z-score)	1.5	18	92.7	7 ~~~
4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 5.0 63 50.6	4.2	SECURITY: Homicide rate (per 100,000 inhabitants)	5.0	63	50.6	7
4.3 TRANSPARENCY 27 58.2 \(\sigma\)	4.3	TRANSPARENCY		27	58.2	<u>и</u>
4.3.1 Corruption perceptions index (0-100) 71.0 21 71.0 V	4.3.1	Corruption perceptions index (0-100)	71.0	21	71.0	<u>и</u> и
4.3.2 Basel anti-money laundering index (0-10) 5.0 45 49.7	4.3.2	Basel anti-money laundering index (0-10)	5.0	45	49.7	7
4.4 SOUND PUBLIC FINANCES: Government gross debt (% of GDP) 106.2 67 47.6	4.4	SOUND PUBLIC FINANCES: Government gross debt (% of GDP)	106.2	67	47.6	<b>V</b>

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

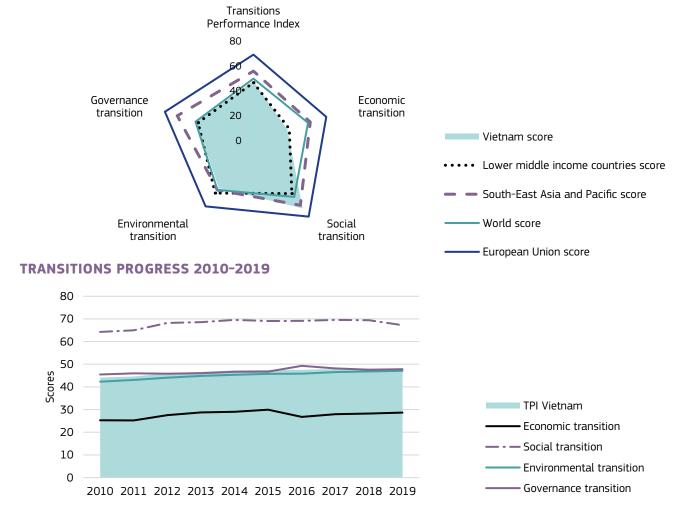
Note: Progress lines use automatic scaling.



<b>★</b> VIETNAM			
POPULATION (million inhabitants)	95.5	GDP PER CAPITA (current PPP\$)	8 065.7
GROSS DOMESTIC PRODUCT (GDP) (billion PPP\$)	770.2	TRADE (% of GDP)	210.4

2019	TPI	TRANSITIONS				
2019	IPI	ECONOMIC	SOCIAL	ENVIRONMENTAL	GOVERNANCE	
Vietnam ranks	56	62	35	54	61	
Vietnam score	47.6	28.6	67.2	47.1	47.8	
World score	49.7	46.1	55.8	48.9	48.8	
Lower middle income countries score	46.4	30.3	52.5	52.0	46.6	
South-East Asia and Pacific score	55.6	47.9	64.0	49.0	64.1	
European Union score	68.8	61.4	75.4	65.2	74.5	

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]





TRANSITIONS PERFORMANCE INDEX   S.6   47.6	VIETNAM			2019		2010-2019	
Economic transition   62   28.6   ↑	VIETNAM		VALUE	RANK	SCORE	SCOF	RE PROGRESS
EDUCATION: Government expenditure in education per student	TRANS	ITIONS PERFORMANCE INDEX		56	47.6	7	
1.1.1 (% of GOP per capita). current dollars (PPPS) 8 065.7 699 108 ↑ 1.2 WEALTH: GOP per capita, current dollars (PPPS) 8 065.7 699 1108 ↑ 1.3.1 Output per worker (2011 constant GOP PPPS) 11 969.6 71 8.0 ↑ 1.3.2 Gross expenditure on R&D (% of GOP) 0.5 56 10.5 ↑ 1.3.1 Output per worker (2011 constant GOP PPPS) 11 969.6 71 8.0 ↑ 1.3.2 Gross expenditure on R&D (% of GOP) 0.5 56 10.5 ↑ 1.4.1 INDUSTRIAL BASE 57 37.6 ↑ 1.4.1 INDUSTRIAL BASE 57 37.6 ↑ 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 16.0 24 55.3 ↑ 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 0.0 65 14.0 ↑ 2. Social transition 55 67.2 − 2. HEALTH: Healthy life expectancy at birth (years) 64.2 53 64.0 − 2.1 HEALTH: Healthy life expectancy at birth (years) 64.2 53 64.0 − 2.2 WORK AND INCLUSION 9 80.6 − 2.2 Employment rate of the population aged 20-64 (%) 78.6 13 77.2 ↓ 2.2.2 Employment rate of the population aged 20-64 (%) 78.6 13 77.2 ↓ 2.2.3 Early childhood care and education (%) 67.1 16 78.5 ↑ 2.3 FREE OR NON-RENUMERATED TIME: 70.0 7.0 1.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7	1.	Economic transition		62	28.6	1	
1.3. LABOUR PRODUCTIVITY & R&D INTENSITY  1.3.1 Output per worker (2011 constant GDP PPPS)  1.3.2 Gross expenditure on R&D (% of GDP)  1.3.2 Gross expenditure on R&D (% of GDP)  1.3.3 Gross expenditure on R&D (% of GDP)  1.4 INDUSTRIAL BASE  1.4.1 Gross value added of manufacturing (% of GDP)  1.5.0 24 53.3 ↑  1.4.2 Patent families filed in two offices (per billion PPPS GDP)  2. Social transition  2. HEALTH: Healthy life expectancy at birth (years)  2. WORK AND INCLUSION  2. WORK AND INCLUSION  2. Employment rate of the population aged 20-64 (%)  2. Employment rate of the population ratio gender gap 25+ (%)  2. Employment-to-population ratio gender gap 25+ (%)  2. Employment-to-population ratio gender gap 25+ (%)  2. Employment rate of the population with the population of t	1.1		11.1	55	44.6	И ,	
1.3.1 Output per worker (2011 constant GDP PPPS) 11 969.6 71 8.0 ↑ 1.3.2 Gross expenditure on R&D (% of GDP) 0.5 56 10.5 ↑ 1.4 INDUSTRIAL BASE 57 37.6 ↑ 1.4.1 Gross value added of manufacturing (% of GDP) 16.0 24 53.3 ↑ 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 0.0 65 14.0 ↑ 2. Social transition 35 67.2 − 2.1 HEALTH: Healthy life expectancy at birth (years) 64.2 53 64.0 − 2.2 WORK AND INCLUSION 9 80.6 − 2.2.1 Employment rate of the population aged 20-64 (%) 78.6 13 77.2 ↓ 2.2.2 Employment-to-population ratio gender gap 25+ (%) 10.4 10 85.2 − 2.3 FREE OR NON-REMUNERATED TIME: 57.0 50.3 38 64.2 № 2.4 EQUALITY 43 63.5 7 2.4.1 (0-100) 50.3 58 64.2 № 2.4 EQUALITY 43 63.5 7 2.4.1 (0-100) 67.7 38 58.8 − 2.4.1 (0-100) 67.7 38 58.8 − 3.1 Environmental transition 54 47.1 7 3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 57.7 40 37.7 ↑ 3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 7.7 40 37.7 ↑ 3.2.3 Pesticide use per area of cropland (kgha) 1.7 24 88.1 − 3.8 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per kg) 8.1 57 40.4 ↑ 3.2 Pesticide use per area of cropland (kgha) 1.7 24 88.1 − 3.8 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per kg) 8.1 57 40.4 ↑ 4.1 FUNDAMENTAL RIGHTS 66 28.6 ↑ 4.1 FUNDAMENTAL RIGHTS 66 33.0 ↑ 4.2 SECURITY 40.1 × 10.0 × 10.	1.2	WEALTH: GDP per capita, current dollars (PPP\$)	8 065.7	69	10.8	1	
1.3.2 Gross expenditure on R&D (% of GDP)  1.4 INDUSTRIAL BASE  1.4.1 Gross value added of manufacturing (% of GDP)  1.4.2 Patent families filed in two offices (per billion PPPS GDP)  2. Social transition  2. Social transition  2. Social transition  2. Employment rate of the population aged 20-64 (%)  2. Employment rate of the population aged 20-64 (%)  2. Employment rate of the population aged 20-64 (%)  2. Employment rate of the population aged 20-64 (%)  2. Employment rate of the population aged 20-64 (%)  2. Employment rate of the population aged 20-64 (%)  3. FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  4. EQUALITY  4. Gini coefficient disposable income post taxes and transfers (0-100)  4. EQUALITY  4. Gini coefficient disposable income post taxes and transfers (0-100)  4. Environmental transition  5. Environmental transition  5. ENVIRON Ser EDUCTION: Gross greenhouse gas emissions (10-100)  5. RESCOURCE PRODUCTIVITY: Resource productivity (PPPS per koe)  4. ENGS PRODUCTIVITY: Resource productivity (PPPS per koe)  4. ENERGY PRODUCTIVITY: Energy	1.3	LABOUR PRODUCTIVITY & R&D INTENSITY		69	9.3	1	
1.4 INDUSTRIAL BASE  1.4.1 Gross value added of manufacturing (% of GDP)  1.4.2 Patent familize filed in two offices (per billion PPPS GDP)  2. Social transition  3.5 67.2  2.1 HEALTH: Healthy life expectancy at birth (years)  2.2 WORK AND INCLUSION  2.2 WORK AND INCLUSION  3.5 67.2  2.1 Employment rate of the population aged 20-64 (%)  2.2.2 Employment-to-population ratio gender gap 25+ (%)  2.2.3 Early childhood care and education (%)  2.3 FREE OR NON-REMUNERATED TIME:	1.3.1	Output per worker (2011 constant GDP PPP\$)	11 969.6	71	8.0	1	
1.4.1 Gross value added of manufacturing (% of GDP) 1.4.2 Patent families filed in two offices (per billion PPPS GDP) 2. Social transition 2.1 HEALTH: Healthy life expectancy at birth (years) 2.2 WORK AND INCLUSION 2.2.1 Employment rate of the population aged 20-64 (%) 2.2.1 Employment-to-population ratio gender gap 25+ (%) 2.2.2 Employment-to-population ratio gender gap 25+ (%) 2.2.3 Early childhood care and education (%) 2.3 FREE or Non-REMUNERATED TIME: 3.6 FREE or Non-REMUNERATED TIME: 3.7 Free or non-remunerated time (%) 3.8 EQUALITY 3.9 Gini coefficient disposable income post taxes and transfers (non-sper capita) 3.1 Emissions REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3.2 BMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2.3 Pesticide use per area of cropland (kg/ha) 3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per kg) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 4.1 FUNDAMENTAL RIGHTS 4.1 FUNDAMENTAL RIGHTS 4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 4.3 TRANSPARENCY 4.3 TRANSPARENCY 4.3 TRANSPARENCY 4.3 TRANSPARENCY 4.3 Basel anti-money laundering index (0-100) 3.5 Basel anti-money laundering index (0-100) 3.5 Basel anti-money laundering index (0-100) 3.5 Corruption grace index (0-100) 3.5 Basel anti-money laundering index (0-100)	1.3.2	Gross expenditure on R&D (% of GDP)	0.5	56	10.5	<b>↑</b>	
1.4.2 Patent families filed in two offices (per billion PPP\$ GDP) 2. Social transition 3.5 67.2 - 2.1 HEALTH: Healthy life expectancy at birth (years) 4.2 WORK AND INCLUSION 5. 64.2 53 64.0 - 2.2 WORK AND INCLUSION 7. 78.6 13 77.2 ↓ 2.2.1 Employment rate of the population aged 20-64 (%) 7. 78.6 13 77.2 ↓ 2.2.2 Employment-to-population ratio gender gap 25+ (%) 7. 10 4 10 85.2 - 2.2.3 Early childhood care and education (%) 7. 10 6 7.1 16 78.5 ↑ 7. 10 78.5 ↑	1.4	INDUSTRIAL BASE		57	37.6	1	
2. Social transition  2.1 HEALTH: Healthy life expectancy at birth (years)  2.2 WORK AND INCLUSION  2.2.1 Employment rate of the population aged 20-64 (%)  2.2.2 Employment rate of the population aged 20-64 (%)  2.2.2 Employment rate of the population aged 20-64 (%)  2.2.3 Early childhood care and education (%)  2.3 FREE OR NON-REMUNERATED TIME:  5.3 FREE OR NON-REMUNERATED TIME:  5.4 EQUALITY  2.4 EQUALITY  2.4.1 Gini coefficient disposable income post taxes and transfers (0-100)  2.4.2 Income share held by the poorest quintile (%)  3. Environmental transition  5. Environmental transition  5. EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3. BIODIVERSITY  4.3 49.1  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.2.3 Pesticide use per area of cropland (kg/ha)  3.7 Pestoja Every RESOURCE PRODUCTIVITY: Energy productivity (PPPS per koe)  4. Governance transition  4.1 FUNDAMENTAL RIGHTS  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3 TRANSPARENCY  4.3 TRANSPARENCY  70 29.4 Manual And The All To Take All The All To Take All Take All To Take All Take December of Take All Take Corruption perceptions index (0-100)  3.5 Basel anti-money laundering index (0-100)	1.4.1	Gross value added of manufacturing (% of GDP)	16.0	24	53.3	1	
2.1 HEALTH: Healthy life expectancy at birth (years) 2.2 WORK AND INCLUSION  9 80.6  -	1.4.2	Patent families filed in two offices (per billion PPP\$ GDP)	0.0	65	14.0	Λ,	
2.2 WORK AND INCLUSION  2.2.1 Employment rate of the population aged 20-64 (%)  2.2.2 Employment-to-population ratio gender gap 25+ (%)  2.2.2 Employment-to-population ratio gender gap 25+ (%)  2.3 Early childhood care and education (%)  2.4 EQUALITY  2.5 Free or non-remunerated time (%)  2.6 EQUALITY  2.7 Gini coefficient disposable income post taxes and transfers (or 100)  2.8 Income share held by the poorest quintile (%)  3.1 Environmental transition  3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (some special acquired and some special acquired acquired acquired and some special acquired a	2.	Social transition		35	67.2	-	
2.2.1 Employment rate of the population aged 20-64 (%)  2.2.2 Employment-to-population ratio gender gap 25+ (%)  2.2.3 Early childhood care and education (%)  2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  2.4 EQUALITY  2.4.1 Gini coefficient disposable income post taxes and transfers (0-100)  2.4.2 Income share held by the poorest quintile (%)  3.1 Environmental transition  3.1 ENISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3.2 BIODIVERSITY  3.3.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.3.3 Pesticide use per area of cropland (kg/ha)  3.4 ENERGY PRODUCTIVITY: Resource productivity (PPPS per kg)  3.5 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  4.1 FUNDAMENTAL RIGHTS  4.1 FUNDAMENTAL RIGHTS  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.4 Corruption perceptions index (0-100)  3.5 Basel anti-money laundering index (0-100)  3.7 To 27.0  4.3 Basel anti-money laundering index (0-100)  3.5 Basel anti-money laundering index (0-100)	2.1	HEALTH: Healthy life expectancy at birth (years)	64.2	53	64.0	-	
2.2.2 Employment-to-population ratio gender gap 25+ (%) 10.4 10 85.2 - 2.3 Early childhood care and education (%) 67.1 16 78.5 ↑  2.3 FREE OR NON-REMUNERATED TIME: 50.3 38 64.2	2.2	WORK AND INCLUSION		9	80.6	- ]	
2.2.3 Early childhood care and education (%) 67.1 16 78.5 ↑  2.5 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%) 50.3 38 64.2 Non-remunerated time (%) 43 63.5 Non-remunerated time (%) 43 63.5 Non-remunerated time (%) 67.1 Non-remunerated time (%) 68.5 Non-remunerated time (%) 67.1 Non-remunerated time (%) 67.1 Non-remunerated time (%) 67.1 Non-remunerated time (%) 67.2 Non-remunerated time (%) 67.3 Non-remunerated time (%) 67.1 Non-remunerated time (%) 67.2 Non-remunerated time (%) 67.3 Non-remunerated time (%) 67.1 Non-remunerated (%) Non-remunerated transition 67.1 Non-remunerated (%) Non-remunerated (	2.2.1	Employment rate of the population aged 20-64 (%)	78.6	13	77.2	$\downarrow$	
2.3 FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)  2.4 EQUALITY  2.5 EQUALITY  2.6 Gini coefficient disposable income post taxes and transfers (0-100)  2.6 Income share held by the poorest quintile (%)  3.5 Environmental transition  3.6 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3.2 BIODIVERSITY  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.2.3 Pesticide use per area of cropland (kg/ha)  3.2.4 ENERGY PRODUCTIVITY: Resource productivity (PPPS per kg)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  4.5 Governance transition  4.6 Governance transition  4.7 FUNDAMENTAL RIGHTS  4.8 FUNDAMENTAL RIGHTS  4.9 FUNDAMENTAL RIGHTS  4.1 FUNDAMENTAL RIGHTS  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3 TRANSPARENCY  4.3 Basel anti-money laundering index (0-100)  3.3.0 65 33.0 -  3.7 TA 40 50.1 TERMS 10.1 TER	2.2.2	Employment-to-population ratio gender gap 25+ (%)	10.4	10	85.2	- ,	
2.4 EQUALITY  2.4.1 Gini coefficient disposable income post taxes and transfers (o-100) 2.4.2 Income share held by the poorest quintile (%)  3. Environmental transition  3. EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3.2 BIODIVERSITY  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.2.3 Pesticide use per area of cropland (kg/ha) 3.2.3 Pesticide use per area of cropland (kg/ha) 3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per ko) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 4. Governance transition  4. Governance transition  4. FUNDAMENTAL RIGHTS  4. SECURITY: Homicide rate (per 100,000 inhabitants) 4. TRANSPARENCY  4. SECURITY: Homicide rate (per 100,000 inhabitants) 4. TRANSPARENCY  4. TRANSPARENCY  4. Security indicate (0-100) 33.0 65 33.0 - 43.2 Basel anti-money laundering index (0-10) 7.3 70 27.0	2.2.3	Early childhood care and education (%)	67.1	16	78.5	<b>1</b>	
2.4 EQUALITY	2.3		50.3	38	64.2	<b>V</b>	
2.4.1 Gini coefficient disposable income post taxes and transfers (0-100) 2.4.2 Income share held by the poorest quintile (%) 3.5.7 43 65.1 ↑ 3.8 58.8 − 3.8 Environmental transition 3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3.2 BIODIVERSITY 3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.2.3 Pesticide use per area of cropland (kg/ha) 3.1 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per kg) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 4. Governance transition 4.1 FUNDAMENTAL RIGHTS 4.1 Voice and accountability index (z-score) 4.1.2 Rule of law index (z-score) 4.3 SECURITY: Homicide rate (per 100,000 inhabitants) 4.3 TRANSPARENCY 5.4 TANSPARENCY 7.5 TANSPARENCY 7.7 TANSPAREN						_	
2.4.1 (0-100) 2.4.2 Income share held by the poorest quintile (%) 3. Environmental transition 3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3.2 BIODIVERSITY 3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.2.3 Pesticide use per area of cropland (kg/ha) 3.2.4 RESOURCE PRODUCTIVITY: Resource productivity (PPPS per kg) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe) 4. Governance transition 4.1 FUNDAMENTAL RIGHTS 4.1 Voice and accountability index (z-score) 4.1.2 Rule of law index (z-score) 4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 4.3 TRANSPARENCY 4.3 Description perceptions index (0-100) 4.3 Basel anti-money laundering index (0-101) 5. S. J. V. J. V. J.							
3. Environmental transition  3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)  3.2 BIODIVERSITY  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.2.3 Pesticide use per area of cropland (kg/ha)  3.2.3 Pesticide use per area of cropland (kg/ha)  3.4 ENERGY PRODUCTIVITY: Resource productivity (PPP\$ per koe)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)  4.1 FUNDAMENTAL RIGHTS  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  3.3.0 65  3.3.0  4.3.2 Basel anti-money laundering index (0-10)  3.3.7 40  3.7 40  3.7 7 40  3.7 7 1  3.7 24  88.1 -  4.1 1.2 4.1 1.2 4.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1	2.4.1	(0-100)	35.7	43	65.1	^ <u>-</u>	
3.1 EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita) 3.2 BIODIVERSITY 3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.2.3 Pesticide use per area of cropland (kg/ha) 3.2.4 RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe) 4. Governance transition 4.1 FUNDAMENTAL RIGHTS 4.1.1 Voice and accountability index (z-score) 4.1.2 Rule of law index (z-score) 4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 4.3 TRANSPARENCY 4.3.1 Corruption perceptions index (0-100) 3.3.0 65 3.3.0 - 4.3.2 Basel anti-money laundering index (0-100) 7.3 70 27.0	2.4.2	Income share held by the poorest quintile (%)	6.7	38	58.8		/ ~
3.2 BIODIVERSITY  3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%)  3.2.2 Freshwater key biodiversity areas (KBAs) protected (%)  3.2.3 Pesticide use per area of cropland (kg/ha)  3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per koe)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)  4. Governance transition  4.1 FUNDAMENTAL RIGHTS  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Hornicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  4.3.2 Basel anti-money laundering index (0-10)  7.3 70 27.0	3.			54	47.1	7	
3.2.1 Terrestrial key biodiversity areas (KBAs) protected (%) 3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.2.3 Pesticide use per area of cropland (kg/ha) 1.7 24 88.1 − 3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg) 3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe) 8.1 57 40.4 ↑ 4. Governance transition 61 47.8 − 4.1 FUNDAMENTAL RIGHTS 66 28.6 ↑ 4.1.1 Voice and accountability index (z-score) (1.4) 70 7.4 7 4.1.2 Rule of law index (z-score) (0.0) 48 49.9 ↑ 4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 1.5 40 74.3 № 4.3 TRANSPARENCY 70 29.4 № 4.3.1 Corruption perceptions index (0-100) 33.0 65 33.0 − 4.3.2 Basel anti-money laundering index (0-100) 7.3 70 27.0 №	3.1		3.2	10	86.6	R	
3.2.2 Freshwater key biodiversity areas (KBAs) protected (%) 3.7.7	3.2	BIODIVERSITY		43	49.1	1	
3.2.3 Pesticide use per area of cropland (kg/ha)  3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)  4. Governance transition  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  3.3.0 65  3.3.0 - 4.3.2 Basel anti-money laundering index (0-10)  7.3 70 27.0   4.5.2 Page 12.2	3.2.1	Terrestrial key biodiversity areas (KBAs) protected (%)	41.1	42	41.1	1	
3.3 RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)  3.4 ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)  4. Governance transition  4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  4.3.2 Basel anti-money laundering index (0-10)  7.3 70 27.0  1.2.2 ↑  4.0.4 ↑  4.0.4 ↑  4.0.4 ↑  4.0.4 ↑  4.0.4 ↑  4.0.4 ↑  4.0.4 ↑  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  4.3.2 Basel anti-money laundering index (0-10)	3.2.2	Freshwater key biodiversity areas (KBAs) protected (%)	37.7	40	37.7	1	
3.4 ENERGY PRODUCTIVITY: Energy productivity (PPPS per koe)  8.1 57 40.4 ↑  4. Governance transition  61 47.8 -  4.1 FUNDAMENTAL RIGHTS  66 28.6 ↑  4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  4.3.2 Basel anti-money laundering index (0-10)  7.3 70 27.0	3.2.3	· · · · · · · · · · · · · · · · · · ·	1.7	24	88.1		
4.1 FUNDAMENTAL RIGHTS  4.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  4.3.2 Basel anti-money laundering index (0-10)  66 28.6 ↑  7.4 7  7.4 7  7.4 7  7.5 70 29.4 №  4.7 TRANSPARENCY  7.7 29.4 №  7.8 TRANSPARENCY  7.9 29.4 №	3.3		0.7	71	12.2	1	
4.1 FUNDAMENTAL RIGHTS  4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  4.3.1 Corruption perceptions index (0-100)  4.3.2 Basel anti-money laundering index (0-10)  66 28.6  ↑  7.4  7  7.4  7  7.4  7  7  7  7  7  7  7  7  7  7  7  7  7	3.4	ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)	8.1	57	40.4	1	
4.1.1 Voice and accountability index (z-score)  4.1.2 Rule of law index (z-score)  4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  70 29.4  4.3.1 Corruption perceptions index (0-100)  7.3 70 27.0  4.3.2 Basel anti-money laundering index (0-10)	4.	Governance transition		61	47.8		
4.1.2 Rule of law index (z-score) (0.0) 48 49.9 ↑ 4.2 SECURITY: Homicide rate (per 100,000 inhabitants) 1.5 40 74.3 ¥ 4.3 TRANSPARENCY 70 29.4 ¥ 4.3.1 Corruption perceptions index (0-100) 33.0 65 33.0 − 4.3.2 Basel anti-money laundering index (0-10) 7.3 70 27.0 ↓	4.1	FUNDAMENTAL RIGHTS		66	28.6	<b>↑</b>	
4.2 SECURITY: Homicide rate (per 100,000 inhabitants)  4.3 TRANSPARENCY  70 29.4  4.3.1 Corruption perceptions index (0-100)  7.3 70 27.0  4.3.2 Basel anti-money laundering index (0-10)  7.3 70 27.0  4.3.3 TRANSPARENCY	4.1.1	Voice and accountability index (z-score)	(1.4)	70	7.4	7	
4.3 TRANSPARENCY       70       29.4       ¥         4.3.1 Corruption perceptions index (0-100)       33.0       65       33.0       -         4.3.2 Basel anti-money laundering index (0-10)       7.3       70       27.0       ↓	4.1.2	Rule of law index (z-score)	(0.0)	48	49.9	1	
4.3.1 Corruption perceptions index (0-100)  4.3.2 Basel anti-money laundering index (0-10)  7.3 70 27.0  4.3.2 Sasel anti-money laundering index (0-10)	4.2	SECURITY: Homicide rate (per 100,000 inhabitants)	1.5	40	74.3	7 ,	
4.3.2 Basel anti-money laundering index (0-10) 7.3 70 27.0	4.3	TRANSPARENCY		70	29.4	И .	
	4.3.1	Corruption perceptions index (0-100)	33.0	65	33.0		
4.4 SOUND PUBLIC FINANCES: Government gross debt (% of GDP) 54.3 39 81.1	4.3.2	Basel anti-money laundering index (0-10)	7.3	70	27.0	<b>V</b>	
	4.4	SOUND PUBLIC FINANCES: Government gross debt (% of GDP)	54.3	39	81.1	<u> </u>	<u></u>

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]

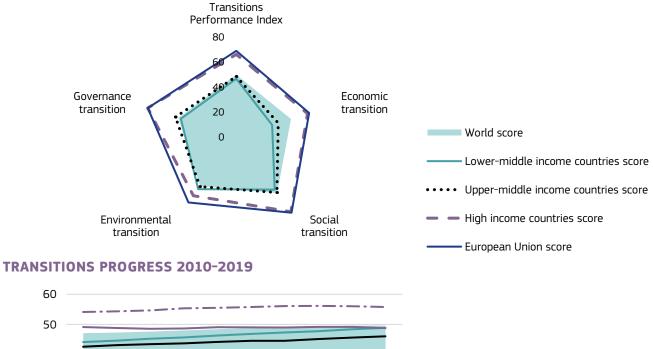
Note: Progress lines use automatic scaling.

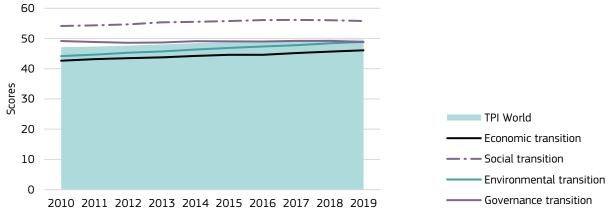


<b>WORLD</b>			
POPULATION (million inhabitants)	5 837.1	GDP PER CAPITA (current PPP\$)	22 091.5
GROSS DOMESTIC PRODUCT (GDP) (billion PPP\$)	128 950.5	TRADE (% of GDP)	54.2

2019	TPI	TRANSITIONS					
2019	IPI	ECONOMIC SOCIAL		ENVIRONMENTAL	GOVERNANCE		
World ranks	50	39	55	48	58		
World score	49.7	46.1	55.8	48.9	48.8		
Lower-middle income countries score	46.4	30.3	52.5	52.0	46.6		
Upper-middle income countries score	48.2	35.4	55.4	49.4	51.2		
High income countries score	66.0	60.0	74.4	58.4	74.5		
European Union score	68.8	61.4	75.4	65.2	74.5		

<sup>■</sup> Transition leader [75-100] ■ Strong transition [65-75] ■ Good transition [55-65] ■ Moderate transition [45-55] ■ Weak transition [0-45]







WO	WORLD		019		2010-2019	
WU	TRLU	VALUE	RANK	SCORE	SC	ORE PROGRESS
TRANS	ITIONS PERFORMANCE INDEX		50	49.7	-	
1.	Economic transition		39	46.1	7	
1.1	EDUCATION: Government expenditure in education per student (% of GDP per capita)	11.9	52	47.5	7	/
1.2	WEALTH: GDP per capita, current dollars (PPP\$)	22 091.5	47	29.5	<b>1</b>	
1.3	LABOUR PRODUCTIVITY & R&D INTENSITY		37	32.4	7	
1.3.1	Output per worker (2011 constant GDP PPP\$)	42 408.0	48	28.3	<b>1</b>	
1.3.2	Gross expenditure on R&D (% of GDP)	1.8	19	36.4	-	
1.4	INDUSTRIAL BASE		12	64.8	7	~
1.4.1	Gross value added of manufacturing (% of GDP)	17.6	17	58.7	-	~~
1.4.2	Patent families filed in two offices (per billion PPP\$ GDP)	2.3	16	74.0	7	
2.	Social transition		55	55.8	-	
2.1	HEALTH: Healthy life expectancy at birth (years)	63.8	57	62.5	_	
2.2	WORK AND INCLUSION		59	48.3	_	
2.2.1	Employment rate of the population aged 20-64 (%)	62.0	51	44.1	<b>4</b>	
2.2.2	Employment-to-population ratio gender gap 25+ (%)	30.6	60	56.3	_	
2.2.3	Early childhood care and education (%)	44.4	54	40.6	<b>1</b>	
2.3	FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)	42.9	59	50.8	7	5
2.4	EQUALITY		53	58.0	_	
2.4.1	Gini coefficient disposable income post taxes and transfers (0-100)	38.8	52	58.1	_	
2.4.2	Income share held by the poorest quintile (%)	6.6	43	57.8	7	
3.	Environmental transition		48	48.9	7	
3.1	EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)	6.8	31	71.7	_	
3.2	BIODIVERSITY		47	45.0	_	
3.2.1		40.2	44	40.2	_	
3.2.1	Freshwater key biodiversity areas (KBAs) protected (%)	34.3	50	34.3	_	
3.2.3	Pesticide use per area of cropland (kg/ha)	3.4	42	76.0	N	<
3.3	RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)	1.6	53	27.1	<b>1</b>	
3.4	ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)	10.4	45	51.8	<b>1</b>	
4.	Governance transition	20.1	58	48.8		~
4.1	FUNDAMENTAL RIGHTS		50	48.1	_	. ~~
4.1.1	Voice and accountability index (z-score)	(0.2)	58	43.2	_	~~
4.1.2	Rule of law index (z-score)	0.1	44	53.0	_	-
4.2	SECURITY: Homicide rate (per 100,000 inhabitants)	5.3	66	48.9	7	~~
4.3	TRANSPARENCY		53	43.1	- -	~~~
4.3.1	Corruption perceptions index (0-100)	43.9	44	43.9	_	$\sim$
4.3.2	Basel anti-money laundering index (0-10)	5.7	54	42.5	Z	=
4.4	· · · · · ·					
	SOUND PUBLIC FINANCES: Government gross debt (% of GDP)  tion leader [75-100] Strong transition [65-75] Good transition [55-65] More dealing in page 2010 2010 July 1000 Application (7010 2010) Appli	75.3 oderate transition [4	58   5-55	67.5 Weak transit	ion [0-4	5[

Note: Progress lines use automatic scaling.
Source: European Commission, Transitions Performance Index 2020.



Progress or decline in scores (2010-2019): ↓ below -10%, ≥ below 0%, - between 0% and 6.5%, → above 6.5%, ↑ above 13%.



# APPENDIX III

**SOURCES AND DEFINITIONS** 

**TABLE III.1: List of acronyms** 

Acronyms	Name
BIG-AML	Basel Institute on Governance, Basel anti-money laundering index
COFOG	UNSD classification of the functions of government
EDGAR	Emission Database for Global Atmospheric Research, edgar.jrc.ec.europa.eu
EEA	European Environment Agency
ESA2010	European System of National and Regional Accounts
Eurostat	European Statistical Office, https://ec.europa.eu/eurostat/
FAOSTAT	Food and Agriculture Organization, Corporate Statistical Database
IEA-WEB	International Energy Agency, World Energy Balances
ILOSTAT	International Labour Organization database, https://ilostat.ilo.org/data/
IMF-WEO	International Monetary Fund, World Economic Outlook
ISIC	UNSD International Standard Industrial Classification of All Economic Activities
IUCN	International Union for Conservation of Nature
JRC	Joint Research Centre of the European Commission
LOCF	Last observation carried forward
FOCB	First observation carried backward
NACE	European Nomenclature of Economic Activities
OECD	Organisation for Economic Cooperation and Development
TCB-TED	The Conference Board, Total Economy Database, April 2019
TI	Transparency International
UN-SDGs	United Nations, Global Sustainable Development Goals Indicators Database, <a href="https://unstats.un.org/sdgs/indicators/database/">https://unstats.un.org/sdgs/indicators/database/</a>
UN-CTS	United Nations Survey of Crime Trends and Operations of Criminal Justice Systems
UNESCO-UIS	United Nations Educational, Scientific and Cultural Organization Institute of Statistics, <a href="http://www.uis.unesco.org">http://www.uis.unesco.org</a>
UNFCCC	United Nations Framework Convention on Climate Change, https://di.unfccc.int/time_series
UNODC	United Nations Office on Drugs and Crime, <a href="https://www.unodc.org/unodc/en/data-and-analysis/crime-and-criminal-justice.html">https://www.unodc.org/unodc/en/data-and-analysis/crime-and-criminal-justice.html</a>
UNPD	United Nations Population Division, Department of Economic and Social Affairs (2019), World Population Prospects 2019, Online Edition. Rev. 1
UNSD	United Nations Statistics Division
VAB	Value added data collected at basic prices
WB	World Bank
WB-WDI	World Bank World Development Indicators
WB-WGI	World Bank World Governance Indicators
WDPA	World Database on Protected Areas
WHO	World Health Organization
WIPO	World Intellectual Property Organization

This appendix provides all sources and definitions for the different data series. It also includes, in italics, indicator- sub-pillar- or pillar- specific details on computation (see Appendix IV - Technical notes).



#### PILLAR 1. ECONOMIC TRANSITION

The pillar score is computed as the weighted average of sub-pillar scores.

#### **SUB-PILLAR 1.1. EDUCATION**

The sub-pillar includes one indicator, government expenditure in education per student (% of GDP per capita). This indicator is computed as government expenditure in education as a percentage of GDP divided by student population (population aged 0-24 over total population):

$$\frac{GEE/S}{GEE/POP} * 100 = \frac{GEE/GDP}{S/POP} * 100$$

where:

- GEE is government expenditure in education;
- GDP is gross domestic product;
- S is student population defined as population aged 0 to 24 years old;
- POP is total population.
- 1.1.1 Government expenditure in education per student (% of GDP per capita)

GEE/GDP: The Eurostat series is complemented by the UNESCO UIS series, the OECD series (up to 2016), and the UNDP series (up to 2012), in that order. Other sources are used for some countries. S/POP: UNPD data on population aged 0-24 is divided by UNPD data on total population.

Eurostat: Government expenditure in million euros by function (UNSD COFOG, replicated ESA2010), for Sector S13 General government, Function GF09 Education, Item TE Total general government expenditure, expressed as a percentage of GDP (qov\_10a\_exp). 2010-2018, LOCF, FOCB.

UNESCO-UIS: Total (current, capital and transfers) general government expenditure on education, expressed as a percentage of GDP. 2010-2018, LOCF, FOCB.

OECD: Public spending on education, primary to tertiary (% of GDP), 2016 or latest available. Public spending on education includes direct expenditure on educational institutions as well as education-related public subsidies given to households and administered by educational institutions. Public entities include: (i) ministries other than ministries of education; (ii) local and regional governments; and (iii) other public agencies. Public spending includes expenditure on schools, universities and other public and private institutions delivering or supporting educational services. Education expenditure covers expenditure on schools, universities and other public and private institutions delivering or supporting educational services. Source: Education at a glance: Educational finance indicators.

UNDP: Total public expenditure (current and capital) on education expressed as a percentage of GDP, years 2012 or latest available, International Human Development Indicators.

UNPD: Population aged 0-24 (both sexes combined). 2010, 2015, 2020, interpolation.

UNPD: Total population (both sexes combined). 2010-2019

#### **SUB-PILLAR 1.2. WEALTH**

The sub-pillar includes a single indicator

1.2.1 GDP per capita (PPP\$)

IMF-WEO: GDP, current prices, expressed in purchasing power parity (PPP) dollars divided by total population. For primary source information for PPP data, please refer to one of the following sources: the OECD, the World Bank, or the Penn World Tables. For further information, see: (i) Box A2 in the April 2004 World Economic Outlook; (ii) Box 1.2 in the September 2003 World Economic Outlook for a discussion on the measurement of global growth; (iii) Box A.1 in the May 2000 World Economic Outlook for a summary of the revised PPP-based weights; and (iv) Annex IV of the May 1993 World Economic Outlook. See also Anne Marie Gulde and Marianne Schulze-Ghattas, 'Purchasing Power Parity Based Weights for the World Economic Outlook', in Staff Studies for the World Economic Outlook (Washington: IMF, December 1993), pp. 106-23. Purchasing power parity; international dollars. 2010-2019.



### SUB-PILLAR 1.3. LABOUR PRODUCTIVITY AND R&D INTENSITY

The sub-pillar score is computed as a composite (weighted average) of two indicator scores.

#### 1.3.1 Output per worker (2011 constant PPP\$ GDP)

ILOSTAT: Output per worker (in 2011 constant PPP\$ GDP), modelled estimates, November 2019. Labour productivity is an important economic indicator that is closely linked to economic growth, competitiveness, and living standards within an economy. Labour productivity represents the total volume of output (measured in terms of GDP) produced per unit of labour (measured in the number of employed persons or hours worked) during a given time reference period. The indicator allows data users to assess GDP-to-labour input levels and growth rates over time, thus providing general information about the efficiency and quality of human capital in the production process for a given economic and social context, including other complementary inputs and innovations used in production. 2010-2019.

# 1.3.2 Gross expenditure on research and development GERD (% of GDP)

UNESCO-UIS: Total intramural expenditure on research and development (R&D) performed in the national territory during a year, expressed as a percentage of the GDP of the national territory (i.e. the sum of gross value added by all resident producers in the economy, including distributive trades and transport, plus any product taxes and minus any subsidies not included in the value of the products) and multiplied by 100. Adapted from OECD (2015), Frascati Manual 2015: Guidelines for Collecting and Reporting Data on Research and Experimental Development. 2010-2018, LOCF, FOCB.

#### **SUB-PILLAR 1.4. INDUSTRIAL BASE**

The sub-pillar score is computed as a composite (weighted average) of two indicator scores.

#### 1.4.1 Gross value added of manufacturing (% of GDP)

The Eurostat series is complemented by the WB WDI series.

Eurostat: Gross value added of manufacturing, based on NACE category C, Manufacturing, expressed as a percentage of GDP. 2010-2019, LOCF, FOCB.

WB-WDI: Manufacturing value added, expressed as a percentage of GDP. Manufacturing refers to industries belonging to ISIC divisions 15-37. Value added is the net output of a sector after adding up all outputs and subtracting intermediate inputs. It is calculated without making deductions for depreciation of fabricated assets or depletion and degradation of natural resources. The origin of value added is determined by ISIC, revision 3. Note: For countries that collect value added at basic prices (VAB countries), gross value added at factor cost is used as the denominator. 2010-2018, LOCF, FOCB. There is a break in series in 2015 for some countries.

# 1.4.2 Patent families filed in two offices (per billion PPP\$ GDP)

The indicator value assigned to a given year is computed as a moving average over the given year and the previous two years. Therefore, the data for 2010 is the average of values for years 2008 to 2010, and so forth. The 2016 moving average is carried forward to years 2017 to 2019.

WIPO: Number of patent families filed by residents in at least two offices, expressed per billion PPP\$ GDP. A 'patent family' is a set of interrelated patent applications filed in one or more countries or jurisdictions to protect the same invention. Patent families containing applications filed in at least two different offices is a subset of patent families where protection of the same invention is sought in at least two different countries. A 'patent' is a set of exclusive rights granted by law to applicants for inventions that are new, non-obvious, and commercially applicable. A patent is valid for a limited period (generally 20 years), during which patent holders can commercially exploit their inventions on an exclusive basis, and within a limited territory. In return, applicants are obliged to disclose their inventions to the public in a manner that enables others, skilled in the art, to replicate the invention. The patent system is designed to encourage innovation by providing innovators with time-limited exclusive legal rights, thus enabling them to appropriate the returns from their innovative activity. Source: World Intellectual Property Organization, Intellectual Property Statistics; International Monetary Fund, World Economic Outlook Database, October 2019 (PPP\$ GDP). 2008-2016. LOCF.



#### **PILLAR 2. SOCIAL TRANSITION**

The pillar score is computed as the weighted average of sub-pillar scores.

#### **SUB-PILLAR 2.1. HEALTH**

The sub-pillar includes a single indicator.

2.1.1 Healthy life expectancy at birth (years)

WHO: Healthy life expectancy (HALE) at birth is the average number of years that a person can expect to live in 'full health' by taking into account years lived in less than full health due to disease and/or injury. The equivalent lost-healthy-year fractions required for the HALE calculation are estimated as the all-cause years-lost-due-to-disability-(YLD) rate per capita, adjusted for independent comorbidity, by age, sex, and country. Sullivan's method uses the equivalent lost-healthy-year fraction (adjusted for comorbidity) at each age in the current population (for a given year) to divide the hypothetical years of life lived by a period-life-table cohort at different ages into years of equivalent full-health and equivalent lost-healthy years. 2010, 2015-2016, interpolation, LOCF.

#### SUB-PILLAR 2.2. WORK AND INCLUSION

The sub-pillar score is computed as a composite (weighted average) of indicator scores.

2.2.1 Employment rate of the population aged 20-64 (%)

The Eurostat series is complemented by the ILOSTAT series. ILOSTAT computes employment-to-population ratios for age categories 15+, 15-24 and 25+ (see Section 2.2.2), but the age categories do not match Eurostat age categories. Instead, the employment rate is computed from ILOSTAT employment data by age groups (sum for 20-64 years old) divided by UNPD population data (20-64 years old).

Eurostat: The employment rate is calculated by dividing the number of persons aged 20-64 in employment by the total population of the same age group. The indicator is based on the EU labour force survey. The survey covers the entire population living in private households and excludes those in collective households such as boarding houses, halls of

residence and hospitals. Employed population consists of those persons who, during the reference week, did any work for pay or profit for at least one hour or were not working but had jobs from which they were temporarily absent. <a href="https://ec.europa.eu/eurostat/databrowser/view/T2020\_10/default/table?lang=en">https://ec.europa.eu/eurostat/databrowser/view/T2020\_10/default/table?lang=en</a>. 2010-2018, LOCF, FOCB.

ILOSTAT: Total employment by age categories, sum for 20-64 years old. Employment comprises all persons of working age who during a specified brief period, such as one week or one day, were in the following categories: a) paid employment (whether at work or with a job but not at work); or b) self-employment (whether at work or with an enterprise but not at work). 2010-2019, LOCF, FOCB.

UNPD: Population aged 20-64 (both sexes combined). 2010, 2015, 2020, interpolation.

2.2.2 Employment-to-population ratio gender gap 25+ (%)

ILOSTAT: The employment-to-population ratio is the proportion of a country's working-age population that is employed (in this case, persons aged 25 and above). For the definition of employment, see Section 2.2.1. The working-age population is the population above the legal working age, but for statistical purposes it comprises everyone above a specified minimum-age threshold for which an inquiry on economic activity is made. 2010-2019.

To promote international comparability, the working-age population is often defined as all persons aged 15 and older, but this may vary from country to country based on national laws and practices. For many countries, this age corresponds directly to societal standards for education and work eligibility. However, in some countries, and developing countries in particular, it is often appropriate to include younger workers because 'working age' can, and often does, begin earlier. Some countries in these circumstances use a lower official bound and include younger workers in their measurements. Similarly, some countries have an upper limit for eligibility, such as 65 or 70 years, although this requirement is imposed rather infrequently.

The population base for employment-to-population ratios can vary across countries for issues other than differences in age limits. In most cases, the resident non-institutional population of working age living in private households is used, excluding members of the armed forces and individuals residing in mental, penal or other types of



institutions. However, many countries include the armed forces in the population base for their employment-to-population ratios even when they do not include them in the employment figures. In general, information for this indicator is derived from household surveys, mainly labour force surveys. However, some countries use 'official estimates' or population censuses as the source of their employment figures.

#### 2.2.3 Early childhood care and education (%)

The rate is computed as the average of enrolment rates for 0-to-2-year-olds and 3-to-5-year-olds, based on OECD data. If the enrolment rate for 0-to-2-year-olds is missing, the final value is computed as 0.7 times the enrolment rate for 3-to-5-year-olds. If both values are missing, the final value is computed as 0.7 times the UNESCO series. For Bosnia & Herzegovina, Canada and Singapore, other sources are used.

OECD: Percentage of children enrolled in early childhood education and care services (ISCED 0 and other registered early childhood education and care services), 0-to-2-year-olds, and 3-to-5-year-olds, 2005-2017.

UNESCO-UIS: Gross enrolment ratio, pre-primary, both sexes (%) is the ratio of total enrolment, regardless of age, to the population of the age group that officially corresponds to the level of education shown. Pre-primary education refers to programmes at the initial stage of organised instruction, designed primarily to introduce very young children to a school-type environment and to provide a bridge between home and school. 2010-2018, LOCF, FOCB. Note: This indicator is included under the United Nations SDG 4: Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all; Target 4.2: By 2030, ensure that all girls and boys have access to quality early childhood development, care and pre-primary education so that they are ready for primary education; Indicator 4.2.2: Participation rate in organised learning (1 year before the official primary entry age), by sex (%) SE\_PRE\_PARTN.

#### SUB-PILLAR 2.3. FREE OR NON-REMUNERATED TIME

The sub-pillar includes one indicator, annual free or non-remunerated time of the active population (hours), computed as:

$$FNRT = \frac{A}{P} \frac{(H-T)}{H} = AR \left(1 - \frac{T}{H}\right)$$

Where:

- FNRT is the free and non-remunerated time index (no unit, fluctuates between 0 and 100);
- A is active population (number);
- P is total population (number);
- AR=A/P is the active population rate (% of population);
- T is the average annual work per worker (hours);
- H is two thirds of the total annual number of hours,
   i.e. 16 hours times 365 days = 5 840 (hours).

2.3.1 Active population (% of population aged 20-64)

The Eurostat series is complemented by ILOSTAT data.

Eurostat: Active population (% of population aged 20-64). Number of active persons aged 20-64 divided by the total population of the same age group. The indicator is based on the EU labour force survey. The survey covers the entire population living in private households and excludes those in collective households such as boarding houses, halls of residence and hospitals. Employed population consists of those persons who, during the reference week, did any work for pay or profit for at least one hour or were not working but had jobs from which they were temporarily absent. Eurostat: <a href="https://ec.europa.eu/eurostat/databrowser/view/T2020\_10/default/table?lang=en.">https://ec.europa.eu/eurostat/databrowser/view/T2020\_10/default/table?lang=en.</a> 2010-2019.

ILOSTAT: Labour force aged 20-64 (in thousands). The labour force comprises persons in employment and unemployed persons, and it is equivalent to the active population. Persons in employment are those who during the reference week did any work for pay, or who were not working but had jobs from which they were temporarily absent. Family workers are included. To obtain the active



population rate, this indicator is divided by total population aged 20-64 (UNPD). The series obtained was used to complement the Eurostat series. 2010-2019, LOCF, FOCB.

#### 2.3.2 Average annual work per worker (hours)

To compute the sub-indicator hours worked per week of full-time employment (hours), the OECD series is complemented by The Conference Board series. In a few cases in which annual work per worker is not available, data for weekly hours per worker is used, in which case the OECD series is complemented by the ILOSTAT series, multiplied by a factor of 45.23, which corresponds to the average number of weeks of work weighted by employment for the countries for which both annual and weekly data is available.

OECD: Average annual work per worker (hours). Average annual hours worked is defined as the total number of hours actually worked per year divided by the average number of people in employment per year. Actual hours worked include: (i) regular work hours of full-time, parttime and part-year workers; (ii) paid and unpaid overtime; and (iii) hours worked in additional jobs. They exclude time not worked because of: public holidays; annual paid leave; own illness; injury and temporary disability; maternity leave; parental leave; schooling or training; slack work for technical or economic reasons; strikes or labour disputes; bad weather; compensation leave and other reasons. The data cover employees and self-employed workers. This indicator is measured in hours per worker per year. The data are published with the following health warning: the data are intended for comparisons of trends over time; they are unsuitable for comparisons of the level of average annual hours of work for a given year, because of differences in their sources and method of calculation. 2010-2018, LOCF.

TCB: Average annual work per worker (hours). 2010-2019.

OECD: Average usual weekly hours worked on the main job. 2010-2018, LOCF.

ILOSTAT: Mean weekly hours usually worked per employed person by sex. 2010-2019, LOCF, FOCB. For Tunisia and Morocco, the values of Algeria are used. For the United Arab Emirates, the value of Saudi Arabia is used.

#### **SUB-PILLAR 2.4. EQUALITY**

The sub-pillar score is computed as a composite (weighted average) of indicator scores.

2.4.1 Gini coefficient of disposable income, post taxes and transfers (0-1 scale)

The WB-WDI series is complemented by the OECD series. For Saudi Arabia and Singapore, other sources are used.

WB WDI: The Gini index measures the extent to which the distribution of income (or, in some cases, consumption expenditure) among individuals or households within an economy deviates from a perfectly equal distribution. Data are based on primary household-survey data obtained from government statistical agencies and World Bank country departments. World Bank, Development Research Group. For more information and methodology, see PovcalNet (iresearch.worldbank.org/PovcalNet/index.htm). 2010-2019, LOCF, FOCB.

OECD: Gini coefficient of disposable income, post taxes and transfers. The Gini coefficient is based on the comparison of cumulative proportions of the population against cumulative proportions of income they receive, and it ranges between 0 in the case of perfect equality and 1 in the case of perfect inequality. New income definition since 2012. Working age population 18-65. OECD: Income Distribution Database: <a href="https://stats.oecd.org/Index.aspx?QueryId=66597">https://stats.oecd.org/Index.aspx?QueryId=66597</a>. 2010-2018, LOCF, FOCB.

2.4.2 Income share held by the poorest quintile (%)

WB-WDI: Income share held by lowest 20%. Percentage share of income or consumption is the share that accrues to subgroups of population indicated by deciles or quintiles. Percentage shares by quintile may not sum to 100 because of rounding. Data are based on primary household-survey data obtained from government statistical agencies and World Bank country departments. Data for high-income economies are from the Luxembourg Income Study database. World Bank, Development Research Group. For more information and methodology, see PovcalNet iresearch.worldbank.org/PovcalNet/index.htm. 2010-2018, LOCF, FOCB. For New Zealand, Saudi Arabia and Singapore, other sources are used.



#### PILLAR 3. ENVIRONMENTAL TRANSITION

The pillar score is computed as the average of sub-pillar scores.

#### **SUB-PILLAR 3.1. EMISSIONS REDUCTION**

The sub-pillar includes a single indicator.

3.1.1 Gross greenhouse-gas emissions (tonnes per capita)

For this indicator, several incomplete databases are combined. EEA-Eurostat data are complemented by OECD (tonnes per capita), or by UNFCCC or JRC/WB-WDI (up to 2012) gross greenhouse-gas-emissions data (kt CO<sub>2</sub> eq) divided by population (UNPD).

EEA-Eurostat: Greenhouse-gas emissions in tonnes per capita; for all sectors and indirect  ${\rm CO_2}$  (excluding land use, land-use change and forestry (LULUCF) and memo items, including international aviation). The EU as a party to the United Nations Framework Convention on Climate Change (UNFCCC) reports annually its greenhouse-gas inventory for the year t-2 and within the area covered by its Member States. The inventory contains data on carbon dioxide ( ${\rm CO_2}$ ), methane ( ${\rm CH_4}$ ), nitrous oxide ( ${\rm N_2O}$ ), perfluorocarbons (PFCs), hydrofluorocarbons (HFCs), sulphur hexafluoride (SF6) and nitrogen trifluoride (NF $_3$ ). The EU inventory is fully consistent with national greenhouse-gas inventories compiled by the EU Member States. This indicator is used to measure progress on SDG 13: Take urgent action to combat climate change and its impacts. (Source: EEA). 2010-2017, LOCF.

OECD: Greenhouse gases refer to the sum of eight gases that have direct effects on climate change: carbon dioxide  $(CO_2)$ , methane  $(CH_4)$ , nitrous oxide  $(N_2O)$ , chlorofluorocarbons (CFCs), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), sulphur hexafluoride (SF6) and nitrogen trifluoride (NF $_3$ ). The data are expressed in  $CO_2$  equivalents and refer to gross direct emissions from human activities.  $CO_2$  refers to gross direct emissions from fuel combustion only and data are provided by the International Energy Agency. Other air emissions include: (i) emissions of sulphur oxides (SOx) and nitrogen oxides (NOx) given as quantities of  $SO_2$  and  $NO_2$ ; (ii) emissions of carbon monoxide (CO); and (iii) emissions of volatile organic compounds (VOCs), excluding methane. Air and greenhouse-gas emissions are measured in thousand

tonnes, tonnes per capita or kilograms per capita except for CO<sub>2</sub>, which is measured in million tonnes and tonnes per capita. <a href="https://data.oecd.org/air/air-and-ghg-emissions.htm">https://data.oecd.org/air/air-and-ghg-emissions.htm</a>. 2010-2017, LOCF, FOCB.

UNFCCC: Time Series, GHG total without LULUCF, in kt  $CO_2$  equivalent. Greenhouse-gas emissions in tonnes per capita, all sectors and indirect  $CO_2$  (excluding LULUCF and memo items, including international aviation, for  $CO_2$ ,  $N_2O$  in  $CO_2$  equivalent,  $CO_2$  equivalent). https://di.unfccc.int/time\_series. 2010-2017, LOCF. For Montenegro, the Second Biennial Report on Climate Change 2019 to UNFCCC was used, Table 5, page 50.

JRC/WB-WDI: Total greenhouse-gas emissions (kt of CO<sub>2</sub> equivalent), EN.ATM.GHGT.KT.CE. Source: European Commission, Joint Research Centre (JRC)/Netherlands Environmental Assessment Agency (PBL). Emission Database for Global Atmospheric Research (EDGAR), EDGARv4.2 FT2012: edgar.jrc.ec.europa.eu. 2010-2012, LOCF.

UNPD: Total population (both sexes combined). 2010-2019.

#### **SUB-PILLAR 3.2. BIODIVERSITY**

The sub-pillar score is computed as a composite (weighted average) of indicator scores.

3.2.1 Average proportion of terrestrial key biodiversity areas (KBAs) covered by protected areas (%)

UN SDGs: Indicator 15.1.2: Proportion of important sites for terrestrial and freshwater biodiversity that are covered by protected areas, by ecosystem type. Goal 15: Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss. Target 15.1: By 2020, ensure the conservation, restoration and sustainable use of terrestrial and inland freshwater ecosystems and their services, in particular forests, wetlands, mountains and drylands, in line with obligations under international agreements. <a href="http://www.sdg.org/datasets/indicator-15-1-2-average-proportion-of-terrestrial-key-biodiversity-areas-kbas-covered-by-protected-areas-percent-3/geoservice.">http://www.sdg.org/datasets/indicator-15-1-2-average-proportion-of-terrestrial-key-biodiversity-areas-kbas-covered-by-protected-areas-percent-3/geoservice.</a> 2010-2018, LOCF.



# 3.2.2 Average proportion of freshwater KBAs covered by protected areas (%)

UN SDGs: Indicator 15.1.2: Proportion of important sites for terrestrial and freshwater biodiversity that are covered by protected areas, by ecosystem type. Target 15.1: By 2020, ensure the conservation, restoration and sustainable use of terrestrial and inland freshwater ecosystems and their services, in particular forests, wetlands, mountains and drylands, in line with obligations under international agreements. Goal 15: Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss. SDGs database: <a href="http://www.sdg.org/datasets/indicator-15-1-2-average-proportion-of-freshwater-key-biodiversity-areas-kbas-covered-by-protected-areas-percent-3/geoservice.">http://www.sdg.org/datasets/indicator-15-1-2-average-proportion-of-freshwater-key-biodiversity-areas-kbas-covered-by-protected-areas-percent-3/geoservice.</a>

#### 3.2.3 Pesticide use per area of cropland (kg/ha)

The FAOSTAT series on use of pesticides per area of cropland is complemented by the Eurostat series on sales of fungicides and bactericides, multiplied by an average factor of 1.94, which corresponds to the mode multiplier between the two series (the mode is lower than the mean and the median, and preferred due to the presence of several outlier cases).

FAOSTAT: Agri-environmental indicator on the use of pesticides per area of cropland (which is the sum of arable land and land under permanent crops) at national level, expressed in kg/ha. 2010-2017, LOCF.

Eurostat: Pesticide sales, fungicides and bactericides (kg). Annual sales of active substances contained in plant-protection products placed on the market, according to major groups in the harmonised classification of substances: (i) fungicides and bactericides (excluding fungicides of microbiological or botanical origin); (ii) herbicides, haulm destructors and moss killers; (iii) insecticides and acaricides (excluding insecticides of microbiological or botanical origin); (iv) molluscicides; (v) plant growth regulators; and (vi) other plant-protection products. The classification of the active substances in plant-protection products is Annex III to Commission Regulation (EU) 2017/269 of 16 February 2017 amending Regulation (EC) No 1185/2009 of the European Parliament and of the Council concerning statistics on pesticides. 2011-2018, LOCF.

FAOSTAT: Cropland use area (ha), in line with the FAO 2020 World Census of Agriculture and the FAO System of Environmental-Economic Accounting for Agriculture, Forestry and Fisheries (SEEA AFF), which is an internationally agreed methodological document supporting the UN standard: System of Environmental-Economic Accounting Central Framework (SEEA CF). 2010–2017, LOCF.

#### SUB-PILLAR 3.3. RESOURCE PRODUCTIVITY

The sub-pillar includes a single indicator.

3.3.1 GDP per unit of domestic material consumption of raw materials (PPP\$ per kg)

Resource productivity is a measure of the total amount of materials directly used by an economy. It provides insights into whether decoupling between the use of natural resources and economic growth is taking place. The indicator is defined as PPP\$ GDP divided by domestic material consumption (DMC). PPP\$ GDP is taken from the IMF WEO series, divided by DMC from Eurostat, complemented by the UN SDGs series.

IMF-WEO: GDP, current prices, expressed in purchasing power parity (PPP) dollars. For primary source information for PPP data, please refer to one of the following sources: the OECD, the World Bank, or the Penn World Tables. For further information, see: (i) Box A2 in the April 2004 World Economic Outlook; (ii) Box 1.2 in the September 2003 World Economic Outlook for a discussion on the measurement of global growth; (iii) Box A.1 in the May 2000 World Economic Outlook for a summary of the revised PPP-based weights; and (iv) Annex IV of the May 1993 World Economic Outlook. See also Anne Marie Gulde and Marianne Schulze-Ghattas, 'Purchasing Power Parity Based Weights for the World Economic Outlook', in *Staff Studies for the World Economic Outlook* (Washington: IMF, December 1993), pp. 106-23. Purchasing power parity; international dollars. 2010-2019.

Eurostat: DMC expressed in tonnes. DMC measures the total amount of materials directly used by an economy. It is defined as the annual quantity of raw materials extracted from the domestic territory of the local economy, plus all physical imports minus all physical exports. The term 'consumption', as used in DMC, denotes apparent consumption and not final consumption. DMC does not include upstream flows related to imports and exports of raw materials and products originating



outside of the local economy. <a href="https://ec.europa.eu/eurostat/statistics-explained/index.php/Glossary:Resource\_productivity.">https://ec.europa.eu/eurostat/statistics-explained/index.php/Glossary:Resource\_productivity.</a> 2010-2018, LOCF, FOCB.

UN SDGs: DMC (tonnes), type of product category 'raw'. Goal 12: Ensure sustainable consumption and production patterns; Target 12.2: By 2030, achieve the sustainable management and efficient use of natural resources. 2010-2017, LOCF.

#### **SUB-PILLAR 3.4 ENERGY PRODUCTIVITY**

The sub-pillar includes a single indicator.

3.4.1 Energy productivity (PPP\$ per kg of oil equivalent, koe)

IEA-WEB: Division of GDP (2015 constant PPP\$ GDP) by total energy supply for a given calendar year. Energy productivity measures the productivity of energy consumption, and provides a picture of the degree of decoupling of energy use from growth in GDP. It is equivalent to the inverse of energy efficiency. Total energy supply is made up of production, plus imports, minus exports, minus international marine bunkers, minus international aviation bunkers, plus/minus stock changes. Source: International Energy Agency (IEA), World Energy Balances, 2020, <a href="https://www.iea.org/subscribe-to-data-services/world-energy-balances-and-statistics">https://www.iea.org/subscribe-to-data-services/world-energy-balances-and-statistics</a>, all rights reserved. 2010-2019, LOCF.

#### PILLAR 4. GOVERNANCE TRANSITION

The pillar score is computed as the weighted average of subpillar scores.

#### **SUB-PILLAR 4.1. FUNDAMENTAL RIGHTS**

The sub-pillar score is computed as a composite (weighted average) of indicator scores.

4.1.1 Voice and accountability (z-score)

WB-WGI: Perceptions of the extent to which a country's citizens are able to participate in selecting their government, as well as freedom of expression, freedom of association, and a free media. <a href="https://info.worldbank.org/governance/wgi/pdf/va.pdf">https://info.worldbank.org/governance/wgi/pdf/va.pdf</a>. 2010-2018, LOCF.

4.1.2 Rule of law (z-score)

WB-WGI: Perceptions of: (i) the extent to which respondents have confidence in – and abide by – the rules of society, and in particular the quality of contract enforcement, property rights, the police, and the courts; and (ii) the likelihood of crime and violence. <a href="https://info.worldbank.org/governance/wgi/pdf/rl.pdf">https://info.worldbank.org/governance/wgi/pdf/rl.pdf</a>. 2010-2018, LOCF.

#### **SUB-PILLAR 4.2. SECURITY**

The sub-pillar includes a single indicator.

4.2.1 Homicide rate (per 100 000 inhabitants)

UNODC: Victims of intentional homicide, rates per 100 000 population. <a href="https://dataunodc.un.org/content/data/homicide/homicide-rate">https://dataunodc.un.org/content/data/homicide/homicide-rate</a>. 2010-2018, LOCF, FOCB.

#### **SUB-PILLAR 4.3. TRANSPARENCY**

The sub-pillar score is computed as a composite (weighted average) of indicator scores.

4.3.1 Corruption perceptions index (CPI) (index 0-100)

TI: Perceived levels of public-sector corruption, as determined by expert assessments and opinion surveys. The CPI is a composite index based on a combination of surveys and assessments of corruption from 13 different sources. It scores and ranks countries based on how corrupt a country's public sector is perceived to be, with a score of 0 representing a high level of corruption and a score of 100 representing a 'clean' country. The sources of information used for the 2017 CPI are based on data gathered in the 24 months preceding the publication of the index. The CPI includes only sources that provide a score for a set of countries/territories and that measure perceptions of corruption in the public sector. For a country/territory to be included in the ranking, it must be included in a minimum of three of the CPI's data sources. Transparency International: https://www.transparency.org/cpi2018. 2012-2018, LOCF, interpolation, FOCB.



#### 4.3.2 Basel anti-money laundering index (0-100)

BIG-AML: The Basel anti-money laundering (AML) index measures the risk of money laundering and terrorist financing (ML/TF) in countries by using data from publicly available sources such as the Financial Action Task Force (FATF), Transparency International, the World Bank and the World Economic Forum. It aggregates into one overall risk score 15 indicators of countries': (i) adherence to regulations to prevent money laundering and counter the financing of terrorism (AML/CFT); (ii) levels of corruption; (iii) financial standards; (iv) political disclosure; and (v) commitment to the rule of law. By combining these data sources, the overall risk score represents a holistic assessment addressing structural as well as functional aspects of the country's resilience against ML/TF. The Basel AML index does not measure the actual amount of money laundering or terrorist financing activity, but rather is designed to assess the risk of such activity. ML/TF risk is understood as a broad risk area in relation to a country's vulnerability to ML/TF and its capacities to counter it. Source: Public Edition of the Basel AML index; 2018 data: https://www.baselgovernance.org/basel-aml-index/publicranking; data since 2012: https://www.baselgovernance. org/basel-aml-index. Scores from 2012-2017 and 2017-2018 are all comparable, there was a recalculation in 2017 (two data series for 2017). The data from before 2016 are computed again by adjusting the series to the recalculation of 2017, following a rule of three. The 2012 values are applied to 2010 and 2011. 2012-2019, FOCB, adjusted values 2012-2016.

#### SUB-PILLAR 4.4. SOUND PUBLIC FINANCES

The sub-pillar includes a single indicator.

4.4.1 General government gross debt (% of GDP)

IMF-WEO: General government gross debt, expressed as a percentage of GDP. Gross debt consists of all liabilities that require payment or payments of interest and/or principal by the debtor to the creditor at a date or dates in the future. This includes debt liabilities in the form of special drawing rights (SDRs); currency and deposits; debt securities loans; insurance; pensions and standardised guarantee schemes; and other accounts payable. Thus, all liabilities in the GFSM 2001 system are debt, except for: (i) equity and investment fund shares; (ii) financial derivatives; and (iii) employee stock options. Debt can be valued at current market, nominal, or face values (GFSM 2001, paragraph 7.110). 2010-2019, including IMF estimates.



**TABLE III.2: TPI sources and imputation** 

rans	itions Performance Index	SOURCE	DATES	IMPUTATION
	Income group (GNI per capita in US\$ (Atlas methodology)	WB	2010-2019	None
	Region aggregates	Developers	N/A	N/A
	Economic transition			
L	EDUCATION: Government expenditure in education per student			
	(% of GDP per capita)			
	Total general government expenditure in education (% of GDP)	Eurostat	2010-2018	LOCF, FOCB
	Government expenditure in education (% of GDP)	UNESCO-UIS	2010-2018	LOCF, FOCB
	Population aged 0-24 (both sexes combined)	UNPD	2010, 2015, 2020	Interpolation
	Total population (both sexes combined)	UNPD	2010-2019	None
2	WEALTH			
	GDP per capita (current dollars PPP\$)	IMF-WEO	2010-2020	IMF estimates
3	LABOUR PRODUCTIVITY & R&D INTENSITY			
3.1	Output per worker (2011 constant PPP\$ GDP)	ILOSTAT	2010-2019	None
	Gross expenditure on R&D (% of GDP)	OECD	2000-2018	LOCF, FOCB
4	INDUSTRIAL BASE			· ·
	Gross value added of manufacturing (% of GDP)	Eurostat	2010-2019	LOCF, FOCB
	Gross value added of manufacturing (% of GDP)	WB-WDI	2010-2018	LOCF, FOCB
4.2	Patent families filed in two offices (per billion PPP\$ GDP)	WIPO	2008-2016	LOCF
	Social transition			
1	HEALTH			
	Healthy life expectancy at birth (years)	WHO	2010, 2015-16	Interpolation, LOCF
2	WORK AND INCLUSION		.,	, p. 1 9 = 2 = 2.
	Employment rate of population aged 20-64 (%)	Eurostat	2010-2018	LOCF, FOCB
	Employment of population aged 20-64	ILOSTAT	2010-2019	LOCF, FOCB
	Population aged 20-64	UNPD	2010, 2015, 2020	Interpolation
2.2	Employment-to-population ratio gender	ILOSTAT	2010-2019	None
	gap of population 25+ (%)	12031711	2010 2013	Tronc
2.3	Adjusted net enrolment rate, one year before the official	UNESCO-UIS	2013-2019	LOCF, FOCB
	primary entry age, both sexes (%)			
	Children enrolled in early childhood and care services (%)	OECD	2005-2017	LOCF, FOCB
3	FREE OR NON REMUNERATED TIME			,
	Active population (%)	Eurostat	2010-2019	None
	Labour force aged 20-64	ILOSTAT	2010-2019	LOCF, FOCB
	Annual hours worked (hours)	OECD	2010-2018	LOCF
	Average annual hours worked per worker (hours)	TCB-TED	2010-2019	None
	Average usual weekly hours worked on the main job (hours)	OECD	2010-2018	LOCF
	Hours worked per week of full-time employment (hours)	Eurostat	2010-2019	None
	Mean weekly hours usually worked per employed person (hours)	ILOSTAT	2010-2019	LOCF, FOCB
4	EQUALITY	1203171	2010 2013	200,100
	Gini index, disposable income post taxes and transfers (0-100)	OECD	2010-2019	LOCF, FOCB
	Gini index (0-100)	WB	2010-2013	LOCF, FOCB
47	Income share held by the poorest quintile (%)	WB-WDI	2010-2018	LOCF, FOCB
7.2	Environmental transition	***************************************	2010 2010	200,100
1	EMISSION REDUCTION	Eurostat	2010-2017	LOCF
_	GHG emissions (tonnes per capita)	EEA	2010-2017	LOCF
	GHG emissions, all sectors and indirect CO2	OECD	2010-2017	LOCF, FOCB
	(excluding LULUCF and memo items, including international aviation)	JOLCO	2010 2017	LOCI, I OCD
	GHG emissions (GHG, tonnes per capita)	UNFCCC	2010-2017	LOCF
	GHG emissions (GHG, tonnes per capita)  GHG emissions total without LULUCF (kt CO <sub>2</sub> equivalent)		2010-2017	
7	· - · ·	WB-WDI	2010-2012	LOCF
2	BIODIVERSITY  Township I have bind in our in a page (I/DAs) protected (0/)	LINI CDC-	2010 2010	LOCE
2.1	Terrestrial key biodiversity areas (KBAs) protected (%)	UN-SDGs	2010-2018	LOCF
	Freshwater key biodiversity areas (KBAs) protected (%)	UN-SDGs	2010-2018	LOCF
2.5	Pesticide use per area of cropland (kg/ha)	FAOSTAT	2010-2017	LOCF
	Fungicide and bactericide sales (kg)	Eurostat	2011-2018	LOCF
	Cropland area (ha)	FAOSTAT	2010-2017	LOCF

(Continued)



3.3	RESOURCE PRODUCTIVITY			
	Resource productivity and domestic material consumption (kg)	Eurostat	2010-2018	LOCF, FOCB
	Domestic material consumption, by type of raw material (tonnes)	UN-SDGs	2010-2017	LOCF
	Gross domestic product (current prices \$PPP)	IMF-WEO	2010-2020	IMF estimates
3.4	ENERGY PRODUCTIVITY			
	GDP over total energy supply (2015 PPP\$ per koe)	IEA	2010-2019	LOCF
4.	Governance transition			
4.1	FUNDAMENTAL RIGHTS			
4.1.1	Voice and accountability index (index)	WB-WGI	2010-2018	LOCF
4.1.2	Rule of law Index (index)	WB-WGI	2010-2018	LOCF
4.2	SECURITY			
	Homicide rate (per 100 000 inhabitants)	UNODC	2010-2017	LOCF, FOCB
4.3	TRANSPARENCY			
4.3.1	Corruption perceptions index (0-100)	TI	2012-2018	LOCF, interpolation, FOCB
4.3.2	Basel anti-money laundering index (0-10)	BIG-AML	2012-2019	FOCB, adjustment 2012-2016
4.4	SOUND PUBLIC FINANCES			
	Government gross debt (% of GDP)	IMF-WEO	2010-2020	IMF estimates

Source: European Commission, Transitions Performance Index 2020.







# APPENDIX IV

**TECHNICAL NOTES** 

#### 1. INTRODUCTION

This appendix presents the succession of methodological choices and computations performed in constructing the Transitions Performance Index (TPI). The appendix is comprehensive, in the sense that details are aimed at the replicability of computations.

The first section presents the criteria behind the selection of indicators, and contains details on the types of indicators. The subsequent sections present: (i) technical decisions, each one of which has possible alternatives that would affect numerical results (scores and rankings); and (ii) the indicators' development over time and across countries.

#### 2. CONSULTATIONS

The conceptual framework and the selection of indicators were discussed with experts and stakeholders in the areas being measured. The overall structure of the index, i.e. its decomposition into pillars and indicators, was a top-down process driven by experts in the multidimensional phenomenon under measurement. The final choice of elementary indicators corresponding to each pillar followed a bottom-up approach driven by: (i) the availability of relevant data and proxies; and (ii) statistical considerations.

The criteria that have guided indicator choices, in line with the acceptability/legitimacy objective, are as follows.

- PARSIMONY, DISTINCTIVENESS AND NON-REDUNDANCY:
   The index developers aimed at a reduced number of pillars to avoid 'drowning' the different elements in the mass. The current number of four pillars is an absolute maximum. In addition, a sub-pillar within a pillar is measured by one to three indicators reflecting specific priorities.
- RELEVANCE TO THE TOPIC: The chosen elementary indicators must 'represent' the associated dimension as described in words, and must also develop in a statistically similar way to the dimension – they are 'proxies' for the dimension. If the structure of pillars/

dimensions is correct and if the proxies are well chosen, then, by construction, all issues are considered. Adding indicators would imply building a dashboard. This route was ruled out, as many dashboards already exist, which the present index aims to complement.

- INTERNATIONAL COMPARABILITY: Beyond being good proxies, indicators must pass the test of international availability and comparability. Among other things, this implies following similar classifications to those used internationally. The index therefore uses indicators from international organisations as much as possible; national statistics were used only marginally to impute missing data points.
- HARD DATA PREFERRED OVER SOFT DATA: The chosen indicators must be as objective and robust as possible.
   For that reason, hard data and recognised composite indicators were preferred, and perception surveys were avoided as much as possible.
- OUTPUT INDICATORS PREFERRED OVER INPUT INDICATORS: In principle, the focus is on output indicators, with few exceptions. The role of the index is not to be prescriptive in terms of choice of policy mix, but to monitor the state of the countries (or regions) in terms of outcomes.
- Other criteria that were taken into consideration:
  - global coverage (for global roll-out);
  - (i) significance to global initiatives (for instance the UN sustainable development goals); and
     (ii) effectiveness in advancing the transition performance agenda, in terms of objectives, priorities and strategies;
  - cross-validation in previous theoretical or empirical research on transition performance;
  - the credibility and expertise of sources, accuracy in measurement, and access to – and affordability of – data (open-source data preferred over proprietary data);
  - the need to address a recognised weakness of gross domestic product (GDP) measurement.



#### 3. SELECTION OF INDICATORS

This section presents the final indicators used in the index, ordered by type. The selection of individual indicators includes all issues related to the computation of indicators that are based on: (i) scaling (by GDP, per capita, etc.); and/ or (ii) one or more indicators, such as composite indicators.

- 3. For indicators scaled by GDP, such as 4.4 Government gross debt (% of GDP), country aggregates are weighted by PPP\$ GDP.
- 4. For indicator 3.2.3 Pesticide use per area of cropland (kg/ha), country aggregates are weighted by area of cropland (ha).

#### 3.1 SCALING

A total of 20 hard-data indicators were selected from Eurostat and a variety of international organisations and NGOs.

Raw indicators are usually highly correlated with population or gross domestic product (GDP), and require scaling by some relevant metric so they can be compared internationally. International organisations usually provide scaled versions of raw indicators. Units of measurement provided for each indicator reflect the chosen metric. Examples include: patent families filed in two offices (per billion purchasing power parity dollars (PPP\$) GDP), energy productivity (PPP\$ per kilogram of oil equivalent), and the homicide rate (per 100 000 inhabitants).

Five composite indicators are included in the index, computed by a series of specialised international organisations (such as the World Bank) and NGOs. To avoid the risk of duplicating indicators, only tightly defined composite indicators were considered, aimed at capturing mutlidimensional phenomena for which hard data are not available at the global level.

The EU27 data considers the current 27 Member States of the European Union over the entire 2010-2019 decade (i.e. the United Kingdom is not included). The World data considers the 72 countries included in the index. For these two country aggregates (EU27 and World), the computation of values is performed based on the following rules.

- When the data point for a particular indicator is available for EU27, for example in Eurostat, then that data point is used.
- 2. For indicators not scaled, such as 2.1 Healthy life expectancy at birth (years) or 4.1.2 Rule of law Index, or scaled by population, such as 1.2 GDP per capita, current dollars (PPP\$), country aggregates are computed as weighted averages of country values, weighted by countries' population (population is the default weight for country aggregates).

#### 3.2 COVERAGE

The index has been computed annually for 10 years, covering the period 2010-2019.

The index covers 72 countries and the EU. These countries were selected based on the following criteria: EU Member States, associated countries, Organisation for Economic Co-operation and Development (OECD) member countries, countries with at least 40 million inhabitants and a GDP per capita higher than USD 2 000 (IMF current dollar estimates). As a result, the TPI covers countries representing 91% of world GDP in PPP\$. EU-associated country the Faroe Islands had to be left out of the index due to missing data.

The rationale for this choice was to have wide economic coverage, but also to avoid a comparison between countries with large differences, for which diverse capabilities to address transitions may imply prioritising indicators and weights differently. Moreover, data were missing more frequently for several countries with GDP per capita lower than USD 2000.

#### 3.3 IMPUTATION OF MISSING DATA

Missing data was imputed based on time trends, according to the following three rules.

- Linear forecasting between two data points, whenever data were available for a few years only. Example: Population aged 0-24 is available only for years 2010, 2015 and 2020.
- Last observation carried forward (LOCF) coupled with first observation carried backward (FOCB). This is a transparent and commonly used method; the main drawback is that time trends are not accounted for.
- 3. Data points from national or other sources were used in a few cases.



Whenever missing data points remain, there is an implicit imputation at the score level, which is equivalent to the score of the given country in the dimension in which that indicator is included (more on this below).

Missing data can also be imputed by using data from similar countries (such as nearest-neighbour techniques) or by statistical inference (such as imputation of the sample average score). The choice was made not to use these techniques. A cut-off of a maximum of five missing indicators per country implied leaving out of the index a single country, the Faroe Islands.

#### 4. NORMALISATION

After data treatment and imputation, a third decision is related to the distribution of indicators and the treatment of outliers. This has an impact on normalisation bounds and country scores.

## 4.1 NORMALISATION BOUNDS AND TREATMENT OF OUTLIERS

Indicators that strongly depart from normal distributions are assessed by a combination of moments (mean, variance, skewness, kurtosis) and quartiles (1<sup>st</sup>, median, 3<sup>rd</sup>). Outliers are potential candidates for winsorisation (for example through 'goalposts'), or transformation (for instance by taking logs).

For this index, two indicators with absolute skewness greater than 2 and kurtosis greater than 3.5 (Groeneveld and Meeden, 1984) required transformation: 1.4.2 - Patent families filed in two offices (per billion PPP\$ GDP) and 4.2.1 - Homicide rate (per 100 000 inhabitants).

The transformation used is:

 $transformed\ value = ln\ (original\ value * f + 1)$ 

Where f is an adjustment factor, a multiple of 10 aimed at achieving average, skewness and kurtosis within the expected ranges (f is 100 for 1.4.2 and 1 for 4.2.1).

In addition, 'goalposts' (upper and lower normalisation bounds) were set for all indicators (including the transformed indicators), based on the following three criteria.

- 1. Original value bounds were preserved for composite indicators and some percentages.
- 2. For three indicators, goalpost ranges (lower and upper values) were set based on EU targets.
  - 2.2.1 Employment rate of population 20-64 (%): the goalpost range was set around the EU target of at least 75% of the employment rate, with a lower bound at 40% and an upper bound at 90%.
  - 3.1 Gross greenhouse-gas (GHG) emissions (tonnes per capita): the bounds were set at 0 and 24 tonnes per capita, in line with the EU target of a 40% cut in GHG emissions from 1990 levels by 2030, as applied to EU Member States (bounds rounded to the closest integers). This being a negative indicator (higher values indicate worse performance), any value below or at 0 tonnes per capita gets a score of 100, and any value above or at 24 tonnes per capita gets a score of 0.

TABLE IV.1: Energy productivity EU target analysis for goalposts

	2018		2020		2030
EU27 GDP (billion PPS€)	13.5	1% annual growth	13.8	1% annual growth	15.5
EU primary energy consumption (Mtoe)	1 376.0	EU 2020 target	1 479.0	32.5% reduction	998.0
EU average energy productivity (PPS€ per koe)	8.9		8.4		14.0
• Iceland (min)	2.1				3.4
• Ireland (max)	18.7				29.7

Source: European Commission, Transitions Performance Index 2020.



- 3.4 Energy productivity (PPS€ per koe): as was the case with indicator 3.1, bounds were set at 0 and 20, in line with the two EU targets below.
- The EU target of a 20% increase in energy efficiency by 2020 was meant to imply a target for the EU of 1479 Mtoe by 20201.
- The EU target of a further 32.5% increase in energy efficiency by 2030 implies a target for the EU27 of 998 Mtoe by 2030.
  With a value of 8.9 PPS€ per koe in 2018, and a GDP of 13.5 billion PPS€ in 2018, and assuming average annual GDP growth of 1%, the two targets combined imply target values for energy productivity of approximately 8.4 and 14 PPS€ per koe in 2020 and 2030 respectively. This implies that the 2020 target was already met in 2018, and therefore the 2030 bound is kept (14 implies a score of 100), with 0 as the lower bound (score of 0).
- For the remaining indicators, goalpost ranges were set based on public-policy considerations, statistical requirements (winsorisation of outliers), or a combination of the two.

#### 4.2 SCORING

The numerical score attributed to a country for an elementary indicator value results from some sort of normalisation, i.e. translating the initial numbers on a 0-100 scale or on a z-scale. There are several ways to perform this normalisation, which affect the relative indicator values and the countries' index scores and rankings. In turn, these indicator values, index scores and rankings affect the *de facto* statistical balance among elementary indicators, and could therefore affect the determination of weights and the development of the index over time.

The choice was made to score countries in the 0-100 range with goalpost normalisation. Goalposts are lower and upper bounds that reflect the range of values deemed optimal from a public-policy perspective. For an indicator for which higher values indicate better outcomes (a positive indicator), this implies that any value above the upper bound scores 100, and any value below the lower bound scores 0; the contrary is true for a negative indicator.

This normalisation method has many advantages: (i) stable scores over the ten-year coverage period; (ii) stable scores in future editions; (iii) potential outliers are taken care of; and (iv) goalposts signal expected outcomes.

Scores are then computed as follows:

1. Positive indicators, i.e. indicators for which higher values indicate better outcomes and higher scores:

$$score = \frac{value - lower\ bound}{upper\ bound - lower\ bound} *100$$

2. Negative indicators, i.e. indicators for which higher values indicate worse outcomes and lower scores:

$$score = \frac{upper\ bound - value}{upper\ bound - lower\ bound} *100$$

There are two exceptions to this rule: indicator 4.1.1 - Voice and accountability index and indicator 4.1.2 - Rule of law index. These are World Bank worldwide governance indicators (WGI) computed as standardised scores. The corresponding score in the 0-100 range is computed as the one-tailed probability from the standardised normal distribution corresponding to the score (Excel NORMSDIST function) multiplied by 100. Z-scores of 0, -1 and 1 (mean; minus one standard deviation; and plus one standard deviation) score 50, 15.87 and 84.13, respectively.



#### 5. AGGREGATION

Elementary indicators are aggregated into sub-pillars, pillars, and the index in three steps, by means of weighted arithmetic averages.

#### 5.1 WEIGHTS

Indicator, sub-pillar and pillar weights were initially set based on some prior expert opinion on the required balance between indicators within the sub-pillar. These weights were then adjusted at the pre-audit stage, but only when necessary to increase the robustness of scores and rankings.

Weights have a theoretical meaning as so-called importance coefficients, and a statistical meaning as so-called scaling coefficients (Paruolo et al. 2013). For instance, two indicators each capturing marginal but important differences, when strongly correlated, need to be weighted down to increase the overall statistical balance of the sub-pillar. It is both expected and desirable for the overall robustness of the index that indicators and pillars be mostly positively – but not strongly – correlated.

#### **5.2 AGGREGATION RULES**

There are 16 sub-pillars. Aggregation of indicators into sub-pillars follows the following rules:

- two sub-pillar scores are computed with specific formulas specified under sources and definitions: 1.1 and 2.3;
- seven sub-pillar scores are computed from a single indicator following the normalisation formulas already specified: 1.2, 2.1, 3.1, 3.3, 3.4, 4.2 and 4.4;
- the remaining seven sub-pillar scores are computed as weighted arithmetic averages of indicator scores: 1.3, 1.4, 2.2, 2.4, 3.2, 4.1, and 4.3.

There are four pillars in total; each composed of four subpillars. Pillar scores are computed as weighted arithmetic averages of sub-pillar scores.

The index score is computed as the weighted arithmetic average of pillar scores.

#### **6. STATISTICAL PRE-AUDIT**

A first version of the index was submitted for a statistical audit by the Joint Research Centre (JRC) in November 2019. The JRC has experience in assessing composite indicators, and has co-authored with the OECD the Handbook on Constructing Composite Indicators: Methodology and User Guide, whose methodology has been used for the present analysis (OECD/EC JRC, 2008).

The second (current) version was submitted to the statistical auditing tool developed by the JRC (Becker et al. 2019) in May 2020. This tool was adapted to consider each country-year set of values (such as France - 2013) as a single separate unit, so that the analysis was based on a total of 740 units, including the Faroe Islands and the European Union (EU).

The auditing tool of the JRC is designed to help index designers assess: (i) the conceptual and statistical coherence of the index; (ii) the impact of modelling assumptions on the robustness of scores and rankings; and (iii) challenges related to the comparability and availability of data.

The TPI results suggest that the conceptual framework is statistically coherent, with a relatively balanced structure. In most cases, country rankings are robust to changes in methodological assumptions.

# 6.1 CONCEPTUAL AND STATISTICAL COHERENCE

The adoption of modelling choices (Table IV.2) followed an iterative process of fine-tuning aimed at constructing a balanced index. The main refinements were on goalposts and indicator weights. The iterative process involved the following four steps.

Step 1: Conceptual consistency (see Appendix I - Conceptual framework). Indicators were chosen for their relevance and availability, and were treated so that international comparisons would be valid.

Step 2: Data checks. The most recent data were used with a cut-off at 2010 (with few exceptions). Countries with fewer than five missing values were included. Data values outside the 2.0 interquartile range were checked for errors. Potential outliers were detected for indicators with



Table IV.2: Transitions Performance Index 2020 modelling choices

	INDICATORS	l		DATA		NORMAL	IZATION B	OUNDS	INDEX
CODE	NAME	TYPE	EFFECT	MINIMA	MAXIMA	CRITERIA	LOWER	UPPER	WEIGHT
TPI	TRANSITIONS PERFORMANCE INDEX								
1.	Economic transition								0.20
1.1	EDUCATION: Government expenditure in education per student (% of GDP per capita)	Hard	Positive	4.9	26.2	Goalpost range	0.0	25.0	0.30
1.2	WEALTH: GDP per capita, current dollars (PPP\$)	Hard	Positive	2 604.7	108 950.7	Goalpost range	0.0	75 000.0	0.20
1.3	LABOUR PRODUCTIVITY & R&D INTENSITY		Positive	4.5	71.7	Composite			0.20
1.3.1	Output per worker (2011 constant GDP PPP\$)	Hard	Positive	6 275.3	206 020.7	Goalpost	0.0	150 000.0	0.50
1.3.2	Gross expenditure on R&D (% of GDP)	Hard	Positive	0.1	4.6	range Goalpost range	0.0	5.0	0.50
1.4	INDUSTRIAL BASE		Positive	13.8	95.7	Composite			0.30
1.4.1	Gross value added of manufacturing	Hard	Positive	3.7	40.1	Goalpost	0.0	30.0	0.60
	(% of GDP)					range			
1.4.2	Patent families filed in two offices	Hard	Positive	0.0	15.5	Goalpost	0.0	7.4	0.40
	(per billion PPP\$ GDP)					range			0.20
<b>2.</b>	Social transition	Havd	Docitivo	4C 2	747	Caalnast	45.0	75.0	0.20
2.1	HEALTH: Healthy life expectancy at birth (years)	Hard	Positive	46.2	74.7	Goalpost range	45.0	75.0	0.25
2.2	WORK AND INCLUSION		Positive	6.6	91.6	Composite			0.20
2.2.1	Employment rate of the population aged	Hard	Positive	30.9	101.9	Goalpost	40.0	90.0	0.40
2.2.1	20-64 (%)	liaia	1 OSILIVE	50.5	101.5	range	10.0	30.0	0.10
2.2.2	Employment-to-population ratio gender gap 25+ (%)	Hard	Negative	5.2	69.7	Percentage	0.0	70.0	0.40
2.2.3	Early childhood care and education (%)	Hard	Positive	8.7	78.6	Percentage	20.0	80.0	0.20
2.3	FREE OR NON-REMUNERATED TIME: Free or non-remunerated time (%)	Hard	Positive	28.4	67.9	Goalpost range	15.0	70.0	0.20
2.4	EQUALITY		Positive	4.2	93.3	Composite			0.35
2.4.1	Gini coefficient disposable income post	Index	Negative	24.0	63.4	Goalpost	20.0	65.0	0.75
2.4.2	taxes and transfers (0-100) Income share held by the poorest	Hard	Positive	1.7	10.5	range Goalpost	2.0	10.0	0.25
	quintile (%)					range			
3.	Environmental transition								0.35
3.1	EMISSIONS REDUCTION: Gross greenhouse gas emissions (tonnes per capita)	Hard	Negative	1.0	26.5	Goalpost range	0.0	24.0	0.25
3.2	BIODIVERSITY		Positive	17.5	98.6	Composite			0.25
3.2.1	Terrestrial key biodiversity areas (KBAs) protected (%)	Hard	Positive	2.4	99.3	Percentage	0.0	100.0	0.40
3.2.2	Freshwater key biodiversity areas (KBAs) protected (%)	Hard	Positive	3.2	100.0	Percentage	0.0	100.0	0.40
3.2.3	Pesticide use per area of cropland (kg/ha)	Hard	Negative	0.0	23.5	Goalpost range	0.0	14.0	0.20
3.3	RESOURCE PRODUCTIVITY: Resource productivity (PPP\$ per kg)	Hard	Positive	0.4	6.2	Goalpost range	0.0	6.0	0.25
3.4	ENERGY PRODUCTIVITY: Energy productivity (PPP\$ per koe)	Hard	Positive	2.5	30.8	Goalpost range	0.0	20.0	0.25
4.	Governance transition					range			0.25
4.1	FUNDAMENTAL RIGHTS		Positive	10.1	96.8	Index bounds			0.30
4.1.1	Voice and accountability index (z-score)	Index	Positive	(1.9)		z-score	(1.9)	1.7	0.50
4.1.2	Rule of law Index (z-score)		Positive	(1.2)		z-score	(1.2)	2.1	0.50
4.2	SECURITY: Homicide rate (per 100,000	Hard		-		Goalpost	0.0	36.0	0.30
4.3	inhabitants) TRANSPARENCY		Positive	19.1	97 1	range Composite			0.30
4.3.1	Corruption perceptions index (0-100)	Indov	Positive	25.0		Index bounds	0.0	100.0	0.30
4.3.1	Basel anti-money laundering index (0-10)		Negative	1.5		Index bounds	0.0	100.0	0.40
4.4	SOUND PUBLIC FINANCES: Government gross	Hard		1.6		Goalpost	25.0	180.0	0.80
7.7	debt (% of GDP)	rialu	rvegative	1.0	237.7	range	23.0	100.0	0.10
Source.	European Commission, Transitions Performance Inc	lex 202	0.						

Source: European Commission, Transitions Performance Index 2020.



absolute skewness greater than 2 and kurtosis greater than 3.5. Indicators 1.4.2 and 2.4.1 were log-transformed, whereas other potential outliers were treated through the goalposts.

Step 3: Statistical coherence. There were no cases of strong collinearity (i.e. Pearson correlation coefficients greater than 0.92) or negative correlation within sub-pillars. Pearson correlations of sub-pillar indicators are all above 0.30 with the exceptions of 1.4.1; 1.4.2; 3.2.3; 3.2.1; and 3.2.2. The indicator structure was maintained on the theoretical complementary of indicators, but this could be revised.

In terms of overall balance, the statistical analysis suggested the following.

Pillar 1 - Economic transition: Starting from equal weights, Pearson correlations of sub-pillar scores with the pillar scores ranged between 0.67 and 0.93. To rebalance contributions to the pillar, 1.1 - Education and 1.4 - Industrial base were weighted up to 0.3, with weights of 0.2 for 1.2 - Wealth and 1.3 - Labour productivity and R&D intensity.

The example of sub-pillar 1.2 - Wealth, expressed by the single indicator of GDP per capita in PPP\$ can be used to illustrate the concept of weights as 'scaling' coefficients, as opposed to weights as 'importance' coefficients. This is an indicator highly correlated with most indicators, implying that wealth is an important determinant of transition performance in all domains. The wealth dimension is therefore already captured indirectly by most other indicators included in the index. It could therefore be potentially 'overrepresented' with equal weights, compared to other indicators that provide useful marginal information, and could therefore be weighted down.

- In Pillar 2 Social transition, sub-pillars 2.1 Health and 2.4 Equality were weighted up to 0.25 and 0.35 respectively; with 2.2 Work and inclusion and 2.3 Free or non-remunerated time assigned weights of 0.2.
- Pillar 3 Environmental transition did not require rebalancing; equal weights of 0.25 were kept for the four sub-pillars.
- Pillar 4 Governance transition has Pearson correlations with sub-pillars ranging from 0.24 to 0.81. Sub-pillar 4.4 - Sound public finances, with a Pearson correlation of

0.24, is problematic, as it has a single indicator, debt-to-GDP ratio, which is negatively correlated with most index indicators and with the other three pillars. The sub-pillar was kept on conceptual grounds, but with a lower weight of 0.1, while the other three pillars have weights of 0.3.

On the balance of pillars with the index, correlations with the index score ranged between 0.76 and 0.93 with equal weights. The decision was made to increase the weights of Pillar 3 - Environmental transition to 0.35, and Pillar 4 - Governance transition to 0.25, with weights of 0.2 for Pillar 1 - Economic transition and Pillar 2 - Social transition.

Step 4: Qualitative review. Finally, index results – including the overall country classification and relative transition performance – were evaluated to verify that results are consistent with the existing literature in terms of research, theory, and empirical evidence.

## 6.2 IMPACT OF MODELLING ASSUMPTIONS AND ROBUSTNESS OF RESULTS

Scores and rankings depend on modelling choices: the pillar and sub-pillar structure; treatment of indicators; imputation of missing data; normalisation; goalpost bounds; weights; and aggregation methods. These choices are based on expert opinion, common practice, statistical analysis, or simplicity.

The aim of the robustness analysis is to assess to what extent these choices might affect rankings. This analysis is based on a multi-modelling approach to calculate scores and rankings under conditions of uncertainty (Saisana et al., 2005 and 2011).

The modelling variations in the JRC auditing tool result in 35 sets of rankings as set out below.

- 1. A total of 30 fully modelled alternatives as follows.
  - Five normalisation methods: (i) min-max normalisation (bound values set at the sample indicator minima and maxima over the tenyear period for all countries); (ii) data-max (i.e. same as min-max, but with the lower bound set at zero); (iii) goalposts (chosen method); (iv) median-min-max (min-max normalisation with transformation so that the median value scores 50 for all indicators); and (v) z-scores



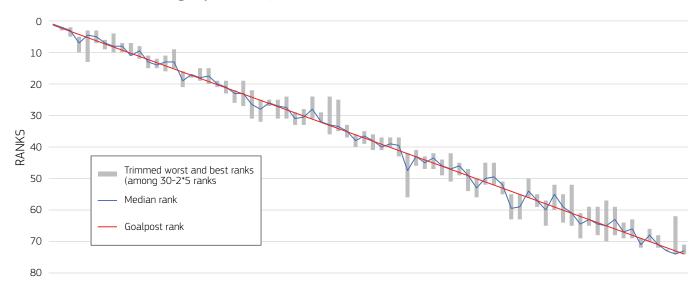
- (standardised scores, with an average of 0 and a standard deviation of 1).
- Three sets of weights: adjusted scores, equal weights (simple averages), and random weights (weights defined randomly within a pre-specified range).
- Two types of aggregation at the index level (i.e. aggregation of pillar scores into the index score): arithmetic (fully compensatory) and geometric (partially compensatory).
- 2. Two sets of data rankings: rankings based on median ranks (median of indicator ranks) and rankings based on average ranks (average of indicator ranks).
- 3. Two sets of Borda rankings: Borda ranks with adjusted weights and equal weights. The Borda method is an alternative way of aggregating indicators, based on ranks. It does not take the structure of the index into account: indicators are directly aggregated into an index. For N units in a sample, for each indicator the top-ranked country gets N-1 points, the second-ranked country gets N-2 points and so on. The last-ranked country gets O points; each unit then receives an overall score, which is the sum (simple or weighted) of indicator points. Units are ranked by their overall score.
- 4. Rankings based on the Copeland rule, itself based on the outranking matrix at the pillar level. Pillar scores are compared pairwise, say France and Chile. France is assigned a score equivalent to the sum of the weights of the pillars where it has a higher value than the other unit (say three pillars, 0.75), the same for Chile (0.25, the sum of points is one by construction). Under 'dominance', i.e. when a country scores 1 pairwise (meaning it scores higher than the other country in the four pillars), there is no way that methodological choices can affect their relative standing in the ranking. The greater the dominance, the more robust country ranks are to methodological assumptions.

#### **6.3 UNCERTAINTY ANALYSIS RESULTS**

The 35 sets of rankings are synthesised in three indicators: median rank (for example 64), interval of ranks ([58, 66]) and trimmed interval of ranks (five lowest and highest ranks left out, [61, 66]). The main result of the robustness analysis is shown in Figure 1. Error bars represent, for each country, the range of ranks under all 35 models (trimmed from the five lowest and highest ranks).

TPI ranks are rather robust, as shown by the relatively tight ranges of ranks for each country/year. 23.8% of country/year pairs shift 3 positions or less, and 62.0% shift 6 positions or less.

FIGURE IV.1: Robustness of goalpost ranks, 2019



Source: European Commission, Transitions Performance Index 2020.



Ranks are particularly robust for EU countries, for which these percentages are 39.3% and 87.5%, respectively. This could be due to several possible reasons, such as: (i) better indicator coverage; (ii) the use of Eurostat series (with values based on similar methodologies that are therefore, presumably, more comparable to scores based on international series that could embed slight differences in classifications or data collection); (iii) the impact of exchange-rate fluctuations in the stability of some indicators, etc. The choice of country coverage was partly aimed at avoiding these concerns.

In addition, countries outside the EU have relatively more missing values (missing values are distorting for any composite indicator). In particular, the audit confirms that the Faroe Islands (the longest bar), cannot be kept in the index due to missing data.

#### **6.4 SENSITIVITY ANALYSIS RESULTS**

Complementary to the uncertainty analysis, sensitivity analysis is used to identify which of the modelling assumptions have the highest impact on certain country ranks (Saltelli et al., 2008). Although imputation of missing data is usually the main problem for any index, this analysis has been performed only marginally.

Results show that the main impact in rankings originates in the setting of goalposts, followed by changes in weights, and the aggregation method. Sensitivity analysis also provides insights into what is affecting scores the most for each country. To illustrate these impacts, the rankings from the 35 models explained in the previous section are complemented by the changes in ranks due to leaving out one indicator at a time ('leave-out' scores and ranks).

# 7. INDEPENDENT STATISTICAL AUDIT BY THE JRC

The TPI benefited from additional tests that the JRC was asked to perform. The JRC performed a full audit, including: (i) principal component analysis to assess to what extent the statistical approach supports the conceptual framework; (ii) Monte Carlo simulations with random weights; and (iii) imputation of missing data with nearest neighbours (see Appendix V – JRC Statistical Audit of the Transitions Performance Index).

In general, the audit confirms that the TPI is reliable, with a good, statistically coherent framework. The audit also acknowledges the important efforts of the developer team to obtain a balanced and transparent result. The audit report is published as part of the present report, the highlights of which are listed in the bullet points below.

- The data coverage is particularly good. Considering the international socioeconomic situation, issues in the imputation of 2020 data are expected for future editions.
- Outliers are implicitly treated with goalpost normalisation; generally, the TPI is statistically well balanced in its pillars, and most of the indicators provide meaningful information on the variation of the scores.
- Some issues were identified: poor or negative correlations of 1.4.1 Gross value added of manufacturing, 3.1 Gross GHG emissions, 3.2.3 Pesticide use per area of cropland, and 4.4 Government gross debt. The environmental pillar contributes less to the index than the other three pillars. The JRC recommends monitoring these indicators/pillars in future editions.
- The results of the uncertainty analysis reveal that the TPI is a robust summary measure. The simulated intervals are narrow enough for meaningful inferences to be drawn from the index, with only three countries having 90% confidence interval widths of more than 10 positions.
- The decision not to impute missing data, justified on grounds of transparency and replicability, is shown to have a relatively lower impact on rankings.



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# APPENDIX V

# JRC STATISTICAL AUDIT OF THE TRANSITIONS PERFORMANCE INDEX

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#### **ABSTRACT**

The transitions performance index (TPI) is a multidimensional index which ranks 73 countries for their progress along four dimensions of sustainability: economic, social, environmental and governance. The European Commission's Competence Centre on Composite Indicators and Scoreboards (COIN) at the Joint Research Centre (JRC) in Ispra was invited by the developers of the index to audit the TPI. JRC-COIN aims to help ensure the transparency of the index methodology and the reliability of its results. This JRC-COIN audit focuses on data quality, the statistical soundness of the multi-level structure of the index, and the impact of key modelling assumptions on the results.

The analysis suggests that meaningful inferences can be drawn from the index. The TPI is reliable and the framework has good statistical coherence. TPI ranks are shown to be representative of a plurality of scenarios, and robust to changes in the aggregation and imputation methods and the pillar weights. Even though the TPI has many good statistical properties, JRC-COIN has made some suggestions for possible refinements.

#### 1. INTRODUCTION

The transitions performance index (TPI) aims at measuring countries' transitions to sustainable development. It is a multidimensional index composed of 25 indicators organised into 16 different sub-pillars. Each of these sub-pillars are themselves aggregated into four pillars. Each of these pillars corresponds to a dimension of sustainability: the economic transition; the social transition; the environmental transition; and the governance transition.

This structure aims to respond to the policy priorities of the EU, with each pillar representing an independent dimension with a strong and clear meaning, so that it could be used in a stand-alone analysis.

As stated by the developers, this index aims to complement more comprehensive monitoring reports, such as Eurostat's yearly *Sustainable development in the European Union* reports.

The TPI framework is well constructed, and a lot of thought has clearly been put into it. However, conceptual and practical challenges are inevitable when trying to summarise with a single composite indicator the complexity of a multidimensional phenomenon. An analysis is needed to ensure and validate the statistical soundness of any composite index. The analysis performed in this audit – and discussed in this report – aims to help policymakers derive more accurate and meaningful conclusions form the Transitions Performance Index, and to potentially guide their choices on priority setting and policy formulation.

In general, statistical soundness should be regarded as a necessary but insufficient condition for a sound index. This is because the correlations underpinning most of the statistical analyses carried out in this report need not necessarily represent the real influence of the individual indicators on the phenomenon being measured. The development of any index must therefore be nurtured by a dynamic, iterative dialogue between the principles of statistical and conceptual soundness.

The JRC assessment of the TPI presented here focuses on two main issues: the statistical coherence of the structure, and the impact of key modelling assumptions on the TPI ranks. The statistical analysis is based on: (i) the adequacy of aggregating indicators into pillars, and pillars into the overall index; (ii) the multidimensional structure of the TPI; and (iii) the specific impact of each element used in the aggregation. Finally, the JRC analysis complements the reported country rankings for the TPI with estimated intervals, in order to better appreciate the robustness of these ranks to the modelling choices.

Sections 2 to 4 are based on a first set of data submitted to the JRC for a complete audit in August 2020. Index developers then made minor adjustments to a few indicators, consisting mainly of the imputation of missing data and data updates (refer to Section 5 for details). The sensitivity and robustness analysis was performed again in November 2020 for consistency with published data; thus, Section 5 is therefore based on these latest results.



#### 2. CONCEPTUAL FRAMEWORK

The TPI is based on four pillars, each of which relates to one area found to be critical in sustainable development: an economic pillar; a social pillar; an environmental pillar and a governance pillar. Each of these pillars contains 4 sub-pillars, making 16 sub-pillars in total. These 16 sub-pillars are built using 25 indicators (**Table V.1**). The index is based on these 25 indicators and aggregated at each

level using a weighted arithmetic average. Some of the indicators are already composite indicators; this may lead to some repetition of information and a lack of clarity in the framework. Nonetheless, the developers declared that every composite indicator included in the framework was selected to exclude or reduce this risk to the minimum. Moreover, all the composite indicators are well flagged (see the index in **Table V.1**) and are all used in the same pillar (governance).

**TABLE V.1: Conceptual framework of the TPI** 

Pillar	Sub-Pillar	Ind. Id	Indicator name	Ind. number	Direction
	EDUCATION	1.1	Gov. expenditure on education per student (% of GDP per capita)	ind.01	1
	WEALTH	1.2	GDP per capita, current dollars (PPP\$)	ind.02	1
PRODUC	LABOUR	1.3.1	Output per worker (2011 constant GDP PPP\$)	ind.03	1
	PRODUCTIVITY & R&D INTENSITY	1.3.2	Gross expenditure on R&D (% of GDP)	ind.04	1
	INDUSTRIAL	1.4.1	Gross value added, manufacturing (% of GDP)	ind.05	1
	BASE	1.4.2	Patent families filed in two offices (per billion PPP\$ GDP)	ind.06	1
	HEALTH	2.1	Healthy life expectancy at birth (years)	ind.07	1
		2.2.1	Employment rate of population 20-64 (%)	ind.08	1
	WORK AND	2.2.2	Employment-to-population ratio, gender gap 25+ (%)	ind.09	-1
SOCIAL	INCLUSION	2.2.3	Adjusted net enrolment rate, 1 year before the official primary entry age, both sexes (%)	ind.10	1
FREE TIME EQUALITY	FREE TIME	2.3	Free time of the active population (AR * (1 - T/H))	ind.11	1
	EQUALITY	2.4.1	Gini coefficient disposable income post taxes and transfers (0-100)	ind.12	-1
		2.4.2	Income share held by the poorest quintile (%)	ind.13	1
	EMISSIONS REDUCTION	3.1	Gross GHG emissions (tonnes per capita)	ind.14	-1
		3.2.1	Terrestrial key biodiversity areas (KBAs) protected (%)	ind.15	1
	BIODIVERSITY	3.2.2	Freshwater key biodiversity areas (KBAs) protected (%)	ind.16	1
ENVIRONMENTAL		3.2.3	Pesticide use per area of cropland (kg/ha)	ind.17	-1
	RESOURCE PRODUCTIVITY	3.3	Resource productivity (PPP\$ per kg)	ind.18	1
	ENERGY PRODUCTIVITY	3.4	Energy productivity (PPP\$ per koe)	ind.19	1
	FUNDAMENTAL	4.1.1	Voice and accountability index (index)	ind.20	1
	RIGHTS	4.1.2	Rule of law index (index)	ind.21	1
	SECURITY	4.2	Homicide rate (per 100 000 inhabitants)	ind.22	-1
GOVERNANCE	TDANICDADENICY	4.3.1	Corruption perceptions index (0-100)	ind.23	1
	TRANSPARENCY	4.3.2	Basel anti-money laundering index (0-10)	ind.24	-1
	SOUND PUBLIC FINANCES	4.4	Government gross debt (% of GDP)	ind.25	-1

Source: Developers of the index and the European Commission's JRC, 2020.



# 3. DATA QUALITY AND AVAILABILITY

The data used to construct the TPI are based on a time series from 2010 to 2019. Whenever data were missing, the developer followed these three rules (the order reflects the priority among the rules):

- interpolation between time points whenever data are available for a few years only, the intermediate years are linearly interpolated;
- last observation carried forward (LOCF) and first observation carried backwards (FOCB);
- 3. data points obtained from national institutions or other sources.

The data used in this audit are the result of this first step of data imputation performed by the developers. They are based on time series and refer only to the most recent year (2019). Many values used for 2019 are based on LOCF of 2018 or older data. In this situation, it is common practice to use the last-available year accepting the unavoidable delay in the preparation of international data.

For remaining missing values, the developers opted for an implicit imputation at the aggregate level. In practice, the choice was not to impute the values. Because of this, the score of the aggregate containing the missing value is based on the other elements which are observed. This approach is usually selected to improve transparency and avoid any methodological black box. In this case, the developers asked JRC-COIN to check the effect of this choice on the results. Section 5 investigates the impact of this choice and other modelling assumptions.

In the final dataset, only the countries with a maximum of 5 missing values (out of 25) are included. This rule determined the exclusion of the Faroe Islands from the TPI. The data coverage for the remaining 73 countries is generally good. There are 19 indicators that contain 2 or fewer missing values, and only 3 indicators show more than 5 missing data points: indicators 1.1, 2.2.3, and 3.2.3 (**Table V.2**). The governance pillar has the best coverage among the pillars; it has only one missing value.

The audit also investigated the presence of outliers that could potentially bias the effect of the indicators on the aggregates. The JRC recommends an approach for outlier identification based on skewness and kurtosis values<sup>1</sup>, i.e. when the variables simultaneously have absolute skewness higher than 2.0 and kurtosis higher than 3.5. The developers followed the same approach in the construction of the TPI, identifying indicators 1.4.2 and 4.2.1 (4.2 in this document). These two indicators are log-transformed, which is a common practice in this kind of situation. Focusing on the data from 2019, indicator 4.4 emerges as an indicator that may potentially have been distorted by outliers. Fortunately, as the normalisation method based on goalposts is effective in reducing outliers, the distributional problems on 4.4 are not recorded for the normalised indicator. Table V.2 offers summary statistics for the raw indicators included in the TPI.

#### 3.1 NORMALISATION

The indicators are rescaled to a 0-100 scale, with 0 as the lowest score achieved by countries, and 100 as the highest. This is a common – and usually desired – practice in the construction of composite indicators. The developers set minimum and maximum values for each indicator, called goalposts. In this approach, if a value is lower than the lower goalpost it has the value 0 assigned, while if the value is higher than the higher goalpost the assigned value is 100. Moreover, all the intermediate values are computed with the following two formulas:

For a positive indicator:

$$score = \frac{value - lower bound}{upper bound - lower bound} *100$$

For a negative indicator:

$$score = \frac{upper\ bound - value}{upper\ bound - lower\ bound} *100$$

An indicator is intended to be positive when higher values indicate better performance (it is negative if higher values indicate worse performance). The direction of all the indicators is represented in Table V.1 Indicators 4.1.1 and 4.1.2 are World Bank worldwide governance indicators, and are normalised following a slightly different procedure described in the technical report of the TPI.

<sup>1</sup> Groeneveld, R. A. and Meeden, G., 'Measuring Skewness and Kurtosis', *Journal of the Royal Statistical Society*, Series D, vol. 33, pp. 391–399, 1984.



TABLE V.2: Summary statistics of the indicators included in the TPI

	Indicator	n	Missing (%)	Mean	Min	Max	Range	skew	kurtosis
	1.1	61	16.4	16.37	7.61	24.13	16.52	-0.24	-0.87
	1.2	73	0	35 024.15	3 874.56	108 950.71	105 076.15	0.99	1.11
ECONOMIC	1.3.1	73	0	65 843.41	7 187.56	199 367.48	192 179.92	0.95	1.47
ECONOMIC	1.3.2	73	0	1.33	0.13	4.55	4.42	1.18	0.9
	1.4.1	73	0	14.09	3.98	30.8	26.82	0.82	0.5
	1.4.2	72	1.4	1.42	0	11.14	11.14	2.34	5.81
	2.1	73	0	66.51	48.69	74.67	25.99	-0.89	1.1
	2.2.1	72	1.4	67.21	30.93	91.27	60.34	-0.78	-0.29
	2.2.2	73	0	20.64	5.2	64.91	59.7	1.72	2.11
SOCIAL	2.2.3	59	19.2	89.39	37.08	100	62.91	-1.97	2.71
	2.3	69	5.5	50.78	23.01	66.39	43.39	-0.88	0.25
	2.4.1	71	2.7	35	24.2	63	38.8	1.28	2.97
	2.4.2	70	4.1	7.1	2.4	10.2	7.8	-0.28	0.04
	3.1	71	2.7	8.63	1.03	22.54	21.51	0.89	0.35
	3.2.1	73	0	54.7	2.47	99.28	96.8	0.07	-1.39
ENVIRONMENTAL	3.2.2	68	6.8	56.11	4.39	99.96	95.57	0.06	-1.41
ENVIRONMENTAL	3.2.3	64	12.3	3.33	0.02	13.07	13.05	1.42	1.38
	3.3	73	0	2.4	0.67	6.22	5.55	1.11	0.8
	3.4	73	0	11.52	3.05	28.57	25.52	1.31	2.98
	4.1.1	73	0	64.87	5.01	95.84	90.83	-0.75	-0.67
	4.1.2	73	0	66.22	18.92	97.96	79.05	-0.24	-1.47
COVEDNIANCE	4.2	72	1.4	3.46	0.2	35.9	35.7	3.55	12.26
GOVERNANCE	4.3.1	73	0	54.95	27	88	61	0.25	-1.32
	4.3.2	73	0	4.93	2.68	8.6	5.92	0.65	0.56
	4.4	73	0	60.72	8.4	237.69	229.29	2.06	6.42

Note: The cell with the percentage of missing values exceeding 10% are shaded in light red fill. The values of skewness and kurtosis exceeding the threshold are written in red.

#### 4. STATISTICAL COHERENCE

The assessment of statistical coherence consists of a multi-level analysis of the correlations of variables, and a comparison of TPI rankings with their constituent pillars.

#### 4.1 CORRELATION ANALYSIS

The statistical coherence of an index should be considered a necessary but insufficient condition for a sound index. Given that the statistical analysis is mostly based on correlations, the correspondence of every index to a real-world phenomenon needs to be critically addressed by developers

and experts, because 'correlations do not necessarily represent the real influence of the individual indicators on the phenomenon being measured' (OECD & JRC, 2008)<sup>2</sup>. This influence relies on the interplay between both conceptual and statistical soundness. The degree of coherence between the conceptual framework and the statistical structure of the data is an important factor for the reliability of an index.

The correlation analysis is used to assess the extent to which the observed data support the conceptual framework. Ideally, there should be positive significant correlations within every level of the index. This effectively ensures that the overall index scores adequately reflect the underlying indicator values.



<sup>2</sup> OECD/EC JRC (Organisation for Economic Co-operation and Development/European Commission, Joint Research Centre). 2008. Handbook on Constructing Composite Indicators: Methodology and User Guide. Paris: OECD.

Redundancy, which could be identified by very high correlations (>0.92), should be avoided in the framework. This is because if two indicators are collinear, this may amount to double counting (and therefore over-weighting) of the same phenomenon.

## Correlation analysis between indicators and aggregates

**Table V.3** shows the correlation coefficients between indicators and sub-pillars belonging to the same pillar. Most correlations are significant and positive (>0.30). However, a few problematic cases are identified in the paragraphs below.

Indicators 1.4.1, 3.1, 3.2.3 and 4.4 show shallow, when not negative, correlations with the other indicators in their pillars.

This may suggest that these indicators do not entirely fit with the others, and this may cause a conflict in results and reduce the significance of the aggregate to which they belong. In particular, indicators/sub-pillars 3.1 and 4.4 are also proven to be negatively correlated with the overall TPI (see **Table V.4**). A further suggestion would be to keep monitoring these specific indicators and their position in the framework for future editions of the index in order to check their behaviour and modify them if appropriate. Indicator 3.2.3 is the only low-correlated indicator in a group of three. As a result, indicators 3.2.1 and 3.2.2 dominate the sub-pillar (correlation 0.25 vs 0.93).

Excluding those mentioned above, the indicators that belong to an aggregated sub-pillar show positive and sufficient levels of correlation.

TABLE V.3: Pearson correlation coefficients between variables and their indicator, pillar and overall index

Pillar 1	1.1	1.2	1.3.1		1.3.2	1.3	1.4.1	1.4.2	1.4
1.1	1	0.42	0.36		0.4	0.43	-0.12	0.56	0.29
1.2	0.42	1_	0.96		0.63	0.91	-0.02	0.77	0.51
1.3.1	0.36	0.96	1		0.57	0.89	0	0.71	0.48
1.3.2	0.4	0.63	0.57		1	0.88	0.22	0.8	0.7
1.4.1	-0.12	-0.02	0		0.22	0.12	1	0.02	0.73
1.4.2	0.56	0.77	0.71		0.8	0.85	0.02	1	0.71
Pillar 2	2.1	2.2.1	2.2.2	2.2.3	2.2	2.3	2.4.1	2.4.2	2.4
2.1	1	0.47	0.27	0.38	0.47	0.55	0.47	0.32	0.43
2.2.1	0.47	1	0.5	0.64	0.93	0.9	0.32	0.22	0.29
2.2.2	0.27	0.5	1	0.67	0.75	0.57	0.21	0.11	0.18
2.2.3	0.38	0.64	0.67	1	0.82	0.46	0.11	0.06	0.10
2.3	0.55	0.9	0.57	0.46	0.87	1	0.29	0.18	0.26
2.4.1	0.47	0.32	0.21	0.11	0.29	0.29	1	0.91	0.99
2.4.2	0.32	0.22	0.11	0.06	0.17	0.18	0.91	1	0.96
					0.1.7	0.10			
Pillar 3	3.1	3.2		3.2.2	3.2.3		3.2	3.3	3.4
			2.1					<b>3.3</b> -0.25	
Pillar 3	3.1	<b>3.</b> 2	2.1	3.2.2	3.2.3	-	3.2		3.4
Pillar <b>3</b> 3.1	3.1 1	<b>3.</b> 2	2.1	3.2.2 -0.01	3.2.3 0.21	-	<b>3.2</b> 0.02	-0.25	<b>3.4</b> 0.2
Pillar 3 3.1 3.2.1	3.1 1 -0.1	<b>3.2</b> -0	2.1 0.1 1 32	3.2.2 -0.01 0.82	3.2.3 0.21 0.03		<b>3.2</b> 0.02 0.93	-0.25 <b>0.31</b>	<b>3.4</b> 0.2 0.32
9illar 3 3.1 3.2.1 3.2.2	3.1 1 -0.1 -0.01	3.2 -0 0.8	2.1 0.1 1 32	3.2.2 -0.01 0.82 1	3.2.3 0.21 0.03 0.03	-1	<b>3.2</b> 0.02 0.93 0.93	-0.25 0.31 0.31	3.4 0.2 0.32 0.32
Pillar 3  3.1  3.2.1  3.2.2  3.2.3	3.1 1 -0.1 -0.01 0.21	3.2 -0 0.8 0.0	2.1 0.1 1 32 03	3.2.2 -0.01 0.82 1 0.03	3.2.3 0.21 0.03 0.03 1		<b>3.2</b> 0.02 0.93 0.93 0.25	-0.25 0.31 0.31 -0.39	3.4 0.2 0.32 0.32 -0.16
Pillar 3  3.1  3.2.1  3.2.2  3.2.3  3.3	3.1 1 -0.1 -0.01 0.21 -0.25	3.2 -0 0.8 0.0	2.1 0.1 1 32 03	3.2.2 -0.01 0.82 1 0.03 0.31	3.2.3 0.21 0.03 0.03 1 -0.39		3.2 0.02 0.93 0.93 0.25	-0.25 0.31 0.31 -0.39	3.4 0.2 0.32 0.32 -0.16 0.53
9illar 3 3.1 3.2.1 3.2.2 3.2.3 3.3 3.4	3.1 1 -0.1 -0.01 0.21 -0.25 0.2	3.2 -0 0.8 0.0 0.3	2.1 0.1 1 32 03 31	3.2.2 -0.01 0.82 1 0.03 0.31 0.32	3.2.3 0.21 0.03 0.03 1 -0.39 -0.16		3.2 0.02 0.93 0.93 0.25 0.23 0.3	-0.25 0.31 0.31 -0.39 1 0.53	3.4 0.2 0.32 0.32 -0.16 0.53
Pillar 3  3.1  3.2.1  3.2.2  3.2.3  3.3  3.4  Pillar 4	3.1 1 -0.1 -0.01 0.21 -0.25 0.2 4.1.1	3.2 -0 0.8 0.0 0.3 0.3 4.1.2	2.1 2.1 1 32 23 31 32 4.1	3.2.2 -0.01 0.82 1 0.03 0.31 0.32	3.2.3 0.21 0.03 0.03 1 -0.39 -0.16	4.3.1	3.2 0.02 0.93 0.93 0.25 0.23 0.3	-0.25 0.31 0.31 -0.39 1 0.53	3.4 0.2 0.32 0.32 -0.16 0.53 1
9illar 3 3.1 3.2.1 3.2.2 3.2.3 3.3 3.4  Pillar 4 4.1.1	3.1 -0.1 -0.01 0.21 -0.25 0.2 4.1.1 1	3.2 -0 0.8 0.0 0.3 0.3 4.1.2 0.77	2.1 1 32 03 31 32 4.1 0.94	3.2.2 -0.01 0.82 1 0.03 0.31 0.32	3.2.3 0.21 0.03 0.03 1 -0.39 -0.16	4.3.1 0.73	3.2 0.02 0.93 0.93 0.25 0.23 0.3 4.3.2 0.69	-0.25 0.31 0.31 -0.39 1 0.53 4.3	3.4 0.2 0.32 0.32 -0.16 0.53 1 4.4 -0.25
Pillar 3  3.1 3.2.1 3.2.2 3.2.3 3.3 3.4  Pillar 4  4.1.1 4.1.2	3.1 1 -0.1 -0.01 0.21 -0.25 0.2 4.1.1 1 0.77	3.2 -0 0.8 0.0 0.3 4.1.2 0.77 1	2.1 2.1 2.1 3.1 3.2 3.1 3.2 4.1 0.94 0.94	3.2.2 -0.01 0.82 1 0.03 0.31 0.32	3.2.3 0.21 0.03 0.03 1 -0.39 -0.16 4.2 0.24 0.54	4.3.1 0.73 0.94	3.2 0.02 0.93 0.93 0.25 0.23 0.3 4.3.2 0.69 0.65	-0.25 0.31 0.31 -0.39 1 0.53 <b>4.3</b> 0.79 0.9	3.4 0.2 0.32 0.32 -0.16 0.53 1 4.4 -0.25 -0.16
Pillar 3  3.1  3.2.1  3.2.2  3.2.3  3.3  3.4  Pillar 4  4.1.1  4.1.2  4.2	3.1 1 -0.1 -0.01 0.21 -0.25 0.2 4.1.1 1 0.77 0.24	3.2 -0 0.8 0.3 0.3 4.1.2 0.77 1 0.54	2.1 2.1 1 32 23 31 32 4.1 0.94 0.94	3.2.2 -0.01 0.82 1 0.03 0.31 0.32	3.2.3 0.21 0.03 0.03 1 -0.39 -0.16 4.2 0.24 0.54 1	4.3.1 0.73 0.94 0.52	3.2 0.02 0.93 0.93 0.25 0.23 0.3 4.3.2 0.69 0.65 0.27	-0.25 0.31 0.31 -0.39 1 0.53 <b>4.3</b> 0.79 0.9 0.45	3.4 0.2 0.32 0.32 -0.16 0.53 1 4.4 -0.25 -0.16 -0.11
Pillar 3  3.1  3.2.1  3.2.2  3.2.3  3.3  3.4  Pillar 4  4.1.1  4.1.2  4.2  4.3.1	3.1 1 -0.1 -0.01 0.21 -0.25 0.2 4.1.1 1 0.77 0.24 0.73	3.2 -0 0.8 0.3 0.3 4.1.2 0.77 1 0.54 0.94	2.1 1 32 03 31 32 4.1 0.94 0.94 0.41 0.89	3.2.2 -0.01 0.82 1 0.03 0.31 0.32	3.2.3 0.21 0.03 0.03 1 -0.39 -0.16 4.2 0.24 0.54 1 0.52 0.27	4.3.1 0.73 0.94 0.52	3.2 0.02 0.93 0.93 0.25 0.23 0.3 4.3.2 0.69 0.65 0.27 0.62	-0.25 0.31 0.31 -0.39 1 0.53 <b>4.3</b> 0.79 0.9 0.45 0.91	3.4 0.2 0.32 0.32 -0.16 0.53 1 4.4 -0.25 -0.16 -0.11 -0.11

Source: European Commission, JRC, 2020.

Note: Numbers represent the Pearson correlation coefficients. Good correlations (i.e. Pearson correlation coefficients greater than 0.30 and lower than 0.92) are written in black. Correlations with low values (here < 0.30) are written in grey. Correlations at risk of redundancy (here >0.91) are written in green. Correlations with meaningful negative value (here -0.30) are written in red.



#### Correlation analysis between aggregates and index

The values in **Table V.4** represent the correlation between the aggregates (sub-pillars or higher). This level of aggregation is the most important as it represents the consistency of the general concepts.

All the sub-pillars appear consistent and well allocated within their pillar, with very satisfying correlation levels. The only exceptions are 3.1 and 4.4, which show low or no correlation with their pillar. The same two sub-pillars are

also not positively correlated with the overall index. This result suggests that these two sub-pillars are pointing in different directions to the rest of the framework.

The direct correlation among pillars and the index (**Table V.5**) describes the balance at the top level of aggregation. Pillars are positively correlated, except for pillar 3, which is the only pillar that has a low correlation with all the others. The weak correlation is also evident at index level where, despite having a larger weight, the environmental pillar has a more moderate correlation to the index than the other pillars.

TABLE V.4: Pearson correlation coefficients between sub-pillars, pillars and the index

Sub-pillar	Pillar 1	Pillar 2	Pillar 3	Pillar 4	TPI
1.1	0.68	0.62	0.11	0.54	0.56
1.2	0.87	0.7	0.22	0.77	0.77
1.3	0.91	0.67	0.2	0.73	0.75
1.4	0.77	0.49	0.21	0.48	0.59
2.1	0.72	0.78	0.25	0.74	0.75
2.2	0.64	0.78	0.17	0.61	0.65
2.3	0.65	0.8	0.27	0.68	0.72
2.4	0.46	0.71	0.17	0.57	0.56
3.1	-0.59	-0.47	0.37	-0.51	-0.31
3.2	0.3	0.45	0.65	0.41	0.6
3.3	0.56	0.46	0.62	0.48	0.68
3.4	0.2	0.21	0.81	0.27	0.53
4.1	0.79	0.75	0.33	0.89	0.84
4.2	0.45	0.65	0.2	0.74	0.61
4.3	0.76	0.73	0.25	0.9	0.8
4.4	-0.13	-0.1	-0.26	-0.05	-0.18

Source: European Commission, JRC, 2020.

Note: Numbers represent the Pearson correlation coefficients. Good correlations (i.e. Pearson correlation coefficients greater than 0.30 and lower than 0.92) are written in black. Correlations with low values (here < 0.30) are written in grey. Correlations at risk of redundancy (here >0.91) are written in green. Correlations with meaningful negative value (here -0.30) are written in red.

TABLE V.5: Pearson correlation coefficients between the pillars and the index

	Pillar 1	Pillar 2	Pillar 3	Pillar 4	TPI
Pillar 1	1	0.78	0.23	0.78	0.83
Pillar 2	0.78	1	0.28	0.84	0.86
Pillar 3	0.23	0.28	1	0.28	0.63
Pillar 4	0.78	0.84	0.28	1	0.87

Source: European Commission, JRC, 2020.

Note: Numbers represent the Pearson correlation coefficients. Good correlations (i.e. Pearson correlation coefficients greater than 0.30 and lower than 0.92) are written in black. Correlations with low values (here < 0.30) are written in grey. Correlations at risk of redundancy (here >0.91) are written in green. Correlations with meaningful negative value (here -0.30) are written in red.



#### 4.2 PRINCIPAL COMPONENTS ANALYSIS

As a further step in the analysis of statistical coherence, principal components analysis (PCA), was used to confirm the presence of one single statistical dimension among the four TPI pillars. Technically, the expectation here is that there is only one principal component with an eigenvalue greater than 1, or explaining more than 70% of the variance. In practice, the achievement of these thresholds suggests the presence of a common, unidimensional phenomenon underlying the pillars.

In the case of the TPI, the first principal component (PC1 or Dim 1) is the only one with an eigenvalue higher than 1 (PC1 = 2.7, PC2 = 0.9) and explains about 68% of the total variation, while the second principal component explains an additional 22%. Thus the first two principal components explain nearly all variance in the data (90% of the total variance). Figure V.1 illustrates the projections of the TPI pillars on to the plane spanned by the first two principal components in a 'factor map'.

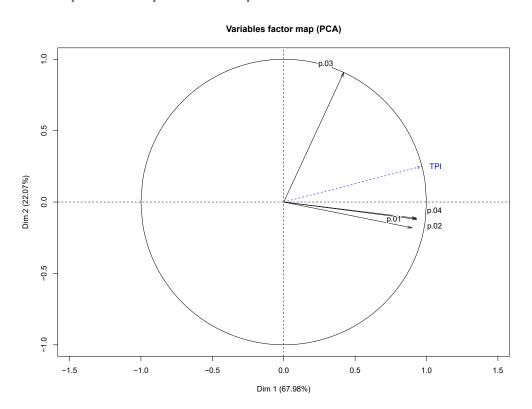
The correlation between each TPI dimension and the principal component is given by the projection of the TPI pillar vector onto the component axis.

The economic, social and governance pillars (p.1, p.02, and p.04) all correlate highly with the first principal component. The correlations are all equal to or above 0.90 except for the environmental pillar (correlation 0.43), which despite being reasonably well correlated with PC1 shows some unicity, pointing in a different direction than the other pillars.

The second principal component is much less influential than the first and only accounts for one fifth of the total variance. Despite being less influential, PC2 is useful to evaluate the differences between the environmental pillar and the other pillars. This difference is illustrated in **Figure V.1**, where pillars 1, 2 and 4 are not correlated with PC2, while pillar 3 is mainly correlated with – and explained by – that principal component.

Relying on the usual rule of thumb, the results of the PCA confirm a satisfying unidimensional structure to the TPI. Nevertheless, JRC-COIN suggests keeping the environmental pillar under strict monitoring since it is clearly describing something only partially related to the other pillars and the TPI, as often happens with the environmental aspects of socioeconomic composite indicators.

FIGURE V.1: Factor map of the four pillars and comparison with the overall TPI



Source: European Commission, JRC, 2020.



The PCA within pillars shows some possible limitations in the structure of the environmental and governance pillars. Practically, sub-pillar 9 (3.1 - GHG emissions) and sub-pillar 16 (4.4 - Government gross debt) are not aligned with the other sub-pillars and the principal component. These results are in line with those obtained in the correlation analysis.

#### 4.3 ADDED VALUE OF THE TPI

Sometimes a high statistical association among the main components of an index can be due to the redundancy of information. This is not the case with the TPI. For 15% or more of the countries included in the index, the TPI ranking, and any of the four pillar rankings, differ by 15 positions or more (see **Table V.6**). This result suggests that the TPI ranking highlights aspects of countries' efforts that do not emerge by looking at the four pillars separately. In particular, pillar 3 is confirmed to be the least aligned of the components. Almost 40% of the countries show a difference in rank of at least 15 positions in respect to the TPI.

TABLE V.6: Distribution of rank differences between pillars and TPI rankings

Shift respect to TPI	Pillar 1	Pillar 2	Pillar 3	Pillar 4
More than 30 positions	0%	1%	14%	1%
15-29 positions	23%	15%	23%	14%
5-14 positions	44%	51%	35%	48%
Fewer than 5 positions	25%	26%	25%	37%
0 positions	8%	7%	3%	0%

Source: European Commission, JRC, 2020.

#### 4.4 IMPACT OF THE COMPONENTS OF THE TPI

The study of the impact of the components (underlying indicator or aggregates) on the index is conducted by observing alternative simulated rankings based on the omission of one component at a time. One would typically expect to find some variability in rankings in such simulations. Otherwise, the omitted component would be proven to be irrelevant, adding no significant valuable information to the index. **Table V.7** outlines the average shifts in the TPI country rankings when one element is omitted at a time.

Among the elementary indicators, 1.1, 2.2.3 and 3.2.3 have the most significant impacts on the rankings, with an average of the absolute rank shift of at least three positions. The omission of one of these indicators would cause a relevant change in the rankings of countries<sup>3</sup>. This level of impact is not achieved by any sub-pillar, except for 1.1, which is an indicator/sub-pillar. Their aggregation clearly diminishes the effects of 2.2.3, 3.2.2, and 3.2.3, such that excluding 2.2 and 3.2 would cause an average change

of 0.9 and 2.6 positions respectively. The environmental pillar proves its specificity again by causing an average rank change of 7 positions and a maximum shift of 28<sup>4</sup>. This result classifies the environmental pillar unequivocally as impactful, but it may also represent the diversity of this pillar compared to the rest of the index.

No pillar has an impact measure lower than 2, while only a few sub-pillars and indicators show very low values of impact on ranks (minimum sub-pillar: 2.1, minimum indicators: 2.2.2 and 4.3.1).



<sup>3</sup> Looking at the maximum rank shift observed when omitting an element, indicators 3.4. and 4.2 also show a significant impact on a country's rank.

<sup>4</sup> Iceland and New Zealand would be the most affected by the exclusion of pillar 3, gaining 21 and 28 positions respectively.

TABLE V.7: Average shift in the TPI country rankings when one element is omitted at a time

Pillar	Mean rank shift	Maximum rank shift	Mean score change		
Economic	3.2	13	2.8		
Social	2.1	10	2.4		
Environmental	7.0	28	4.5		
Governance	3.6	14	2.5		
Sub-pillar					
1.1	3.2	14	0.8		
1.2	1.0	8	0.8		
1.3	0.8	5	1.0		
1.4	1.4	8	1.0		
2.1	0.7	3	0.8		
2.2	0.9	5	0.6		
2.3	1.6	7	0.5 0.9		
2.4	1.6	8			
3.1	2.6	9	2.1		
3.2	2.6	9	1.4		
3.3	2.3	8	2.0		
3.4	2.5	12	1.3		
4.1	1.5	7	1.3		
4.2	2.0	13	1.4		
4.3	0.8	3	0.7		
4.4	0.9	5	0.7		

Indicator	Mean rank shift	Maximum rank shift	Mean score change
1.1	3.2	14	0.8
1.2	1.0	8	0.8
1.3.1	0.6	4	0.4
1.3.2	0.6	5	0.7
1.4.1	1.1	6	0.7
1.4.2	0.9	5	0.5
2.1	0.7	3	0.8
2.2.1	0.7	3	0.3
2.2.2	0.3	2	0.4
2.2.3	3.3	12	0.2
2.3	1.6	7	0.5
2.4.1	1.3	6	0.7
2.4.2	1.5	6	0.2
3.1	2.6	9	2.1
3.2.1	1.3	7	0.7
3.2.2	2.9	8	0.7
3.2.3	3.0	9	0.5
3.3	2.3	8	2.0
3.4	2.5	12	1.3
4.1.1	0.8	3	0.7
4.1.2	0.8	3	0.6
4.2	2.0	13	1.4
4.3.1	0.5	3	0.3
4.3.2	0.7	3	0.5
4.4	0.9	5	0.7

#### 5. IMPACT OF MODELLING ASSUMP-TIONS ON THE TPI RESULTS

A fundamental step in the statistical analysis of a composite indicator is to assess the effect of different modelling assumptions on the country rankings. Despite the efforts in the development process, there is an unavoidable subjectivity (or uncertainty) in the resulting choices. This subjectivity can be explored by comparing the results obtained under different – alternative – assumptions.

The literature on this topic<sup>5</sup> suggests assessing the robustness of the index by means of a Monte Carlo simulation and by applying a multi-modelling approach. This also assumes 'error-free' data as possible errors have already been corrected in the preliminary stage of the index construction before the audit.

The TPI, like most composite indicators, is the outcome of several choices. Among other things, these choices include: (i) the underlying theoretical framework; (ii) the indicators selected; (iii) the imputation of missing values; (iv) the weights assigned; and (v) the aggregation method. Some of these choices may be based on expert opinion or other consideration driven by: statistical analysis or the need to ease communication or draw attention to specific issues.

This section aims to test the impact of varying some of these assumptions within a range of plausible alternatives in an uncertainty analysis. The objective is therefore to try to quantify the uncertainty in the ranks of the TPI, which can demonstrate the extent to which countries can be differentiated by their scores.

Saisana, M., A. Saltelli, and S. Tarantola. 2005. 'Uncertainty and Sensitivity Analysis Techniques as Tools for the Analysis and Validation of Composite Indicators', *Journal of the Royal Statistical Society* A 168 (2): pp. 307–323.



<sup>5</sup> Saisana, M., B. D'Hombres, and A. Saltelli. 2011. 'Rickety Numbers: Volatility of University Rankings and Policy Implications'. *Research Policy*, 40: pp. 165–177.

TABLE V.8: Alternative assumptions considered in the analysis

	Reference	Alternative	
I. Aggregation formula	Arithmetic average	Geometric average	
II. Imputation of missing data	No imputation	k-nearest neighbour imputation	
III. Weighting system of pillars	Fixed weights	Varying up to 25%	
Economic	0.20	U[0.15;0.25]	
Social	0.20	U[0.15;0.25]	
Environmental	0.35	U[0.26;0.44]	
Governance	0.25	U[0.19;0.31]	

The modelling issues considered in the robustness assessment of the TPI are the aggregation formula, the pillars' weights, and the imputation of the missing data. The following paragraphs deal with each of these in turn.<sup>6</sup>

Aggregation formula. The TPI team opted for the arithmetic averaging of the four pillars, which implies a strong compensability, allowing for an outstanding performance in some aspects to balance weaknesses in others and vice-versa. This approach puts at the same level countries that have both high and low results with more 'balanced' countries showing average results. To assess the impact of this choice, the JRC included in the analysis a comparison with the geometric mean. The comparison of the two aggregation approaches should be able to highlight countries with unbalanced profiles, since the geometric mean tends to penalise low values, especially in the presence of other values that are not so low (unbalanced profiles).

**Missing data**. The missing in the TPI are not numerous. Namely only those remaining after the imputation performed by the developers and based on the observations of the previous years. The TPI team opted to avoid imputation. As a comparison, the JRC-COIN included the imputation of the remaining missing values using the k-Nearest Neighbour method.

**Weights**. Monte Carlo simulation comprised 1 000 runs of different sets of weights for the four pillars constituting the TPI. The weights are the result of a random extraction based

on uniform continuous distributions centred in the reference values<sup>6</sup> plus or minus 25% of these values.

Four models were tested combining the different aggregation formulas and imputation methods, which resulted in a total of 4 000 runs of simulations (1 000 simulated sets of weights for each combination of aggregation and imputation).

The main results obtained from the robustness analysis are shown in **Figure V.2**, with median ranks and 90% intervals computed across the 4 000 Monte Carlo simulations. Countries are ordered from best to worst according to their original TPI rank, where the blue dots represent the median rank among the iterations. For each country, the error bars represent the 90% interval across all simulations, i.e. from the 5<sup>th</sup> to the 95<sup>th</sup> percentile.

TPI ranks are shown to be representative of a plurality of scenarios and robust to changes in the aggregation method, imputation and pillar weights. Suppose one considers the median rank across the simulated scenarios as being representative of these scenarios. In this case, the fact that the TPI rank is close to the median rank (less than three positions away) for 96% of the countries suggests that the TPI represents a suitable summary measure of the four scenarios tested. Furthermore, the reasonable narrow intervals for most of the countries' ranks (less than 10 positions for about 93% of countries) imply that the ranks are also, for most countries, robust to changes in the pillars' weights and other modelling assumptions.



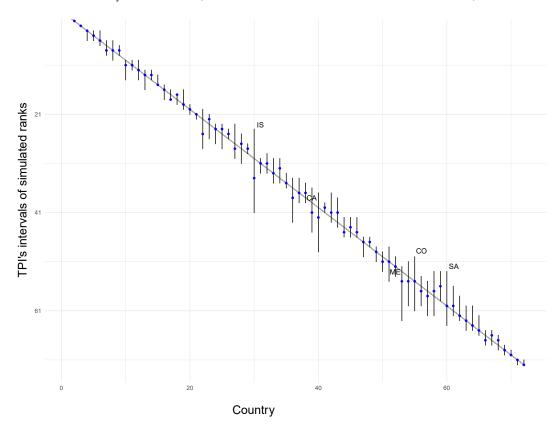
<sup>6</sup> Note from index developers: As indicated in the introduction, Sections 2 to 4 are based on a first set of data whereas, for consistency with published data, this part of the audit was performed again using an updated set of data. Updates include: (i) For most indicators, missing data was imputed from external sources; (ii) for indicator 1.4.2 - Patent families filed in two offices (per billion PPP\$ GDP), the series was smoothed with a moving average over three years; (iii) for indicator 2.2.3 - Early childhood care and education (%), the age coverage was expanded to 0 to 5 years; (iv) for indicator/pillar 3.4 - Energy productivity (PPP\$ per koe), the International Energy Agency sent updated data (refer to Appendix III - Sources and definitions for details).

<sup>7</sup> Weights of the pillars: 0.20, 0.20, 0.35, 0.25.

Only five countries show a simulated interval larger than - or equal to - 10 positions: Canada, Colombia, Iceland, Montenegro and Saudi Arabia. Probably, this is due to the lack of balance among their values on the three pillars. When a country shows unbalanced values, it is particularly penalised by the geometric mean. This aspect is investigated in the following paragraphs.

Overall, country ranks in TPI are very robust to changes in the pillar weights, imputation method, and aggregation formula for most of the countries considered. These ranks are robust enough to allow for meaningful inferences to be drawn. For full transparency and information, Table V.8 reports the country ranks together with the simulated intervals (central 90 percentiles observed among the 4 000 scenarios) in order to appreciate better the robustness and behaviour of specific countries with respect to perturbations. The uncertainty analysis is also complemented by a sensitivity exercise, in which the TPI ranking is compared with the rankings resulting from specific changes in the modelling assumptions. In Figure V.3, it is possible to compare the ranks derived from TPI with the ranks that would have been obtained by changing the aggregation procedure from arithmetic to geometric mean. This comparison makes it possible to inquire whether the variability in the rank intervals originates from the modelling assumptions underlying the aggregation procedure. In the figure, the countries placed under the diagonal decrease in rank positions with the geometric mean. They are probably penalised by the geometric mean for their unbalanced profiles. All countries with a larger interval in the robustness analysis are influenced by the aggregation formula. In particular, Canada, Iceland and Montenegro show at least five positions of difference when comparing the two alternative formulas.

FIGURE V.2: Robustness analysis on ranks (TPI rank vs. median rank and 90% intervals)



Source: European Commission, JRC, 2020.



TABLE V.9: TPI rank and 90% interval of all countries

IS02	Country	TPI Rank	Interval	IS <u>02</u>	Country	TPI Rank	Interval
CH	Switzerland	1	[1-1]	BG	Bulgaria	37	[34-39]
DK	Denmark	2	[2-2]	US	United States	38	[35-39]
NL	Netherlands	3	[3-3]	AL	Albania	39	[36-45]
UK	United Kingdom	4	[4-6]	CA	Canada	40	[37-49]
IR	Ireland	5	[4-6]	ΑE	United Arab Emirates	41	[39-41]
SE	Sweden	6	[4-7]	MK	North Macedonia	42	[37-43]
NO	Norway	7	[6-9]	MY	Malaysia	43	[38-44]
MT	Malta	8	[6-10]	ID	Indonesia	44	[42-46]
DE	Germany	9	[7-9]	CL	Chile	45	[42-46]
LU	Luxembourg	10	[10-14]	TH	Thailand	46	[42-46]
AT	Austria	11	[10-12]	MA	Morocco	47	[46-50]
FR	France	12	[10-14]	TN	Tunisia	48	[46-48]
SI	Slovenia	13	[12-16]	DZ	Algeria	49	[48-51]
BE	Belgium	14	[12-14]	GE	Georgia	50	[49-53]
JP	Japan	15	[13-15]	WD	World	51	[48-52]
IT	Italy	16	[15-18]	CN	China	51	[48-55]
EU	EU-27	17	[16-17]	TR	Turkey	52	[50-54]
CZ	Czechia	17	[16-18]	ME	Montenegro	53	[52-63]
ES	Spain	18	[17-19]	PH	Philippines	54	[51-60]
FI	Finland	19	[16-20]	CO	Colombia	55	[50-61]
PT	Portugal	20	[19-21]	VN	Viet Nam	56	[54-60]
SK	Slovakia	21	[21-22]	AM	Armenia	57	[55-62]
KR	South Korea	22	[20-28]	RS	Serbia	58	[53-62]
LV	Latvia	23	[21-26]	MD	Moldova	59	[53-59]
HR	Croatia	24	[23-27]	SA	Saudi Arabia	60	[53-64]
LT	Lithuania	25	[23-28]	AR	Argentina	61	[56-62]
PL	Poland	26	[24-26]	EG	Egypt	62	[58-63]
EE	Estonia	27	[23-30]	IN	India	63	[60-65]
HU	Hungary	28	[25-31]	MX	Mexico	64	[60-65]
IL	Israel	29	[27-29]	UK	Ukraine	65	[62-66]
IS	Iceland	30	[24-41]	BA	Bosnia and Herzegovina	66	[65-68]
CY	Cyprus	31	[30-33]	BR	Brazil	67	[65-68]
SG	Singapore	32	[29-33]	RU	Russia	68	[66-69]
NZ	New Zealand	33	[30-35]	KE	Kenya	69	[68-70]
EL	Greece	34	[30-35]	IR	Iran	70	[69-70]
RO	Romania	35	[33-36]	ZA	South Africa	71	[71-72]
AU	Australia	36	[34-43]	NG	Nigeria	72	[71-72]



Rank with Geometric mean Rank with Arithmetic mean

FIGURE V.3: Sensitivity Analysis: Comparison of ranks according to arithmetic and geometric mean

Similarly, it is possible to compare the original TPI ranks with the ranks that would have been obtained by changing the imputation method (**Figure V.4**). This comparison makes it possible to further investigate the source of the variability in the rank intervals. The TPI is generally not

influenced by the imputation of the remaining missing values, probably because of the small number of such values. No country shows shifts of at least five positions in this comparison.



Sank with no Imputations

FIGURE V.4: Sensitivity Analysis: Comparison of ranks according to the imputation method

#### 6. CONCLUSIONS

The JRC statistical audit delves into the extensive work carried out by the developers of the TPI with the aim of suggesting improvements in terms of data characteristics, structure and methods used. The analysis aims to ensure the transparency of the index methodology and the reliability of the results.

The data coverage of the framework is very good. Most indicators contain no missing values for 2019 because the developers imputed the data from previous years. The use of 2018 data is a perfectly acceptable lag for the TPI considering the international coverage of the index. Taking into account the international socio-economic situation, we could expect some conceptual issues in the imputation of 2020 data for future editions.

Only three indicators present outliers that are implicitly treated with goalpost normalisation. The analysis suggests that, generally, the TPI is statistically well balanced in its pillars. Correlations between each pillar and the respective

sub-pillars are mostly significant and positive. There are mostly positive correlations between indicators and their corresponding sub-pillar, thus suggesting that most of the indicators provide meaningful information on the variation of the scores.

However, a few issues were identified. Firstly, indicators/ sub-pillars 3.1 - Gross GHG emissions and 4.4 - Government gross debt correlate poorly or negatively with their pillar and the index. Overall, the environmental pillar contributes less to the index than the other three pillars. Given the conceptual significance of the environmental pillar in the framework, the JRC would recommend monitoring the performance of this pillar in future editions of the index and refining or modifying the included indicators.

Secondly, indicators 1.4.1 and 3.2.3 show very low, when not negative, correlations with the other indicators in their pillars. This may suggest that these indicators do not entirely fit within their sub-pillar, and this may cause a conflict between results and reduce the significance of the aggregate to which they belong.



The JRC analysed a series of different choices that were made during the construction of the index. The results of the uncertainty analysis reveal that the TPI is a robust summary measure for almost all countries. The simulated intervals are narrow enough for meaningful inferences to be drawn from the index; there is a shift of less than 10 positions for about 93% of the countries included in the index. Nevertheless, there are five countries with 90% confidence interval widths of at least 10 positions. Thus their ranks vary significantly with changes in weights and aggregation method, as observed in the sensitivity analysis.

In general, this audit confirms that the TPI is reliable, and that the framework has good statistical coherence. The audit also acknowledges the significant efforts by the developers' team to obtain a balanced and transparent result.

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# APPENDIX VI

**ABOUT THE AUTHORS** 



Pierre Vigier is an economist. Before joining the European Commission, he was a member of several French ministerial cabinets, notably foreign affairs, and an adviser for regional planning and economic development in the Office of the Prime Minister. He was then

responsible within the European Commission for the development of industrial strategy, automobile policy, enterprise policy (notably designing the definition of SMEs and launching the first EU initiative to support venture capital), trade (notably EU-Japan automobile and electronic equipment trade agreements), industrial cooperation (China, Japan, South Korea), innovation and research policy. Member of the Cabinet of the European Commissioner for Education, Research, Innovation and Youth, he launched the foresight agenda of the Joint Research Centre and coordinated the industry and innovation parts of the EU research and innovation framework programme and designed the Galileo project. Head of the Unit in charge of Economic and Statistical Analysis at the Directorate-General for Research and Innovation of the European Commission, he coordinated and published numerous economic studies and policy papers, designed several dashboards and indexes such as the Innovation Scoreboard and coordinated the European Semester for that department. He is currently advising the Prosperity Directorate of the Directorate-General for Research and Innovation . He holds a Master in Law (University of Paris), a Master in Economics (ESSEC) and a Master in Political Sciences (Sciences Po Paris).



Daniela Benavente is a PhD economist. She works as a consultant in comparative public policy and international composite indicators, with expertise in sustainable development, international trade, intellectual property, innovation, and skills. In this domain, she

has collaborated with a number of organisations and bodies, including the European Union (DG RTD, JRC, REA Horizon2020, Cedefop), the United Nations (WIPO, FAO, ITC, ITU, IFAD, UNDP), the OECD, the World Bank, the Inter-American Development Bank, the Misk Foundation and ICTSD/WEF. Previously, she worked for INSEAD as Lead Researcher and Project Manager of the Global Innovation Index (INSEAD, WIPO, Cornell University, 2010-2013). In 2019 she was Executive Coordinator of the Scientific Committee on Climate Change for Chile's Presidency of the UNFCCC COP25. She started her career as economic advisor in the Cabinet Office of the President of Chile (2001-2002); the Chilean Ministry of Foreign Affairs (1998-1999) and the Ministry of Economy (1996-1998). She holds a PhD and Master in International Economics from the Graduate Institute of International and Development Studies in Geneva, Switzerland; a Master of International Affairs from Columbia University in the City of New York (Fulbright and Dean's Scholar); the Diplôme in economics and finance from the Institut d'Études Politiques de Paris (Sciences-Po Paris); and has a BA in economics from Pontificia Universidad Católica de Chile. She is a dual citizen of Chile and Switzerland.





Giulio Caperna is a researcher and statistician at the European Commission's Joint Research Centre in Ispra, Italy. Before joining the Competence Centre on Composite Indicators and Scoreboards (COIN), Giulio worked at the University of Padua

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The Transitions Performance Index (TPI) 2020 is the first edition of a new composite indicator, which measures the performance of countries along four transitions: economic, social, environmental and governance. Most of the TPI indicators are outcome-oriented in order to present to the public and policymakers the combined impact of the policy mix implemented in each country. Using comparable international data, the TPI covers countries representing 91% of global gross domestic product (PPP\$ GDP). Using a 'beyond GDP' approach, it enables a comparison of country performances in progressing towards fair, equitable and sustainable prosperity.

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