

Appendix II

Data Tables

Data Tables

This appendix provides tables for each of the 84 indicators that make up the Global Innovation Index 2012 (GII).

Structure

Each table is identified by indicator number, with the first digit representing the pillar, the second representing the sub-pillar, and the final digit representing the indicator within that particular sub-pillar. For example Table 2.1.4 shows results for indicator 2.1.4, **Assessment in reading, mathematics, and science**, which is the fourth indicator of **sub-pillar 2.1, Education**, within **pillar 2, Human capital and research**.

The subheading text provides a detailed description of each indicator, with information on the units of each variable, the scaling factor (if any), the question asked (for survey questions), and the most frequent year for which data were available.

For each indicator for each economy, the most recent value within the period 2001–11 was used. In instances where this base year does not correspond to the most frequent year reported in the sub-heading, the year of the value appears in parentheses after the economy name.

A total of 62 variables are hard data; 16 are composite indicators, distinguished with an asterisk (*); and six are survey questions from the World Economic Forum's Executive

The source of each indicator is indicated at the bottom of the page.

Details on each indicator can be found in Appendix III, Sources and Definitions.

1.1.1 Political stability and absence of violence/terrorism
Political stability and absence of violence/terrorism index* | 2010

Rank	Country/Economy	Value	Score (0–100)	Percent rank
1	Luxembourg	1.44	100.00	1.00
2	Finland	1.28	98.75	0.99
3	Norway	1.26	98.44	0.99
4	Denmark	1.24	98.33	0.99
5	New Zealand	1.21	98.00	0.97
6	Malta	1.19	97.00	0.96
7	Switzerland	1.17	96.11	0.95
8	United Kingdom	1.16	95.56	0.94
9	Sweden	1.15	95.00	0.93
10	Belgium	1.14	94.44	0.92
11	France	1.13	93.89	0.91
12	Spain	1.12	93.33	0.90
13	Canada	1.11	92.78	0.89
14	Germany	1.10	92.22	0.88
15	United States of America	1.09	91.67	0.87
16	Portugal	1.08	91.11	0.86
17	Italy	1.07	90.56	0.85
18	Japan	1.06	90.00	0.84
19	South Korea	1.05	89.44	0.83
20	China	1.04	88.89	0.82
21	United Arab Emirates	1.03	88.33	0.81
22	Ukraine	1.02	87.78	0.80
23	Poland	1.01	87.22	0.79
24	United Kingdom	1.00	86.67	0.78
25	Canada	0.99	86.11	0.77
26	Belgium	0.98	85.56	0.76
27	France	0.97	85.00	0.75
28	Germany	0.96	84.44	0.74
29	Spain	0.95	83.89	0.73
30	Italy	0.94	83.33	0.72
31	United States of America	0.93	82.78	0.71
32	Portugal	0.92	82.22	0.70
33	Japan	0.91	81.67	0.69
34	South Korea	0.90	81.11	0.68
35	China	0.89	80.56	0.67
36	United Arab Emirates	0.88	80.00	0.66
37	Ukraine	0.87	79.44	0.65
38	Poland	0.86	78.89	0.64
39	United Kingdom	0.85	78.33	0.63
40	Canada	0.84	77.78	0.62
41	Belgium	0.83	77.22	0.61
42	France	0.82	76.67	0.60
43	Germany	0.81	76.11	0.59
44	Spain	0.80	75.56	0.58
45	Italy	0.79	75.00	0.57
46	United States of America	0.78	74.44	0.56
47	Portugal	0.77	73.89	0.55
48	Japan	0.76	73.33	0.54
49	South Korea	0.75	72.78	0.53
50	China	0.74	72.22	0.52
51	United Arab Emirates	0.73	71.67	0.51
52	Ukraine	0.72	71.11	0.50
53	Poland	0.71	70.56	0.49
54	United Kingdom	0.70	70.00	0.48
55	Canada	0.69	69.44	0.47
56	Belgium	0.68	68.89	0.46
57	France	0.67	68.33	0.45
58	Germany	0.66	67.78	0.44
59	Spain	0.65	67.22	0.43
60	Italy	0.64	66.67	0.42
61	United States of America	0.63	66.11	0.41
62	Portugal	0.62	65.56	0.40
63	Japan	0.61	65.00	0.39
64	South Korea	0.60	64.44	0.38
65	China	0.59	63.89	0.37
66	United Arab Emirates	0.58	63.33	0.36
67	Ukraine	0.57	62.78	0.35
68	Poland	0.56	62.22	0.34
69	United Kingdom	0.55	61.67	0.33
70	Canada	0.54	61.11	0.32
71	Belgium	0.53	60.56	0.31
72	France	0.52	60.00	0.30
73	Germany	0.51	59.44	0.29
74	Spain	0.50	58.89	0.28
75	Italy	0.49	58.33	0.27
76	United States of America	0.48	57.78	0.26
77	Portugal	0.47	57.22	0.25
78	Japan	0.46	56.67	0.24
79	South Korea	0.45	56.11	0.23
80	China	0.44	55.56	0.22
81	United Arab Emirates	0.43	55.00	0.21
82	Ukraine	0.42	54.44	0.20
83	Poland	0.41	53.89	0.19
84	United Kingdom	0.40	53.33	0.18
85	Canada	0.39	52.78	0.17
86	Belgium	0.38	52.22	0.16
87	France	0.37	51.67	0.15
88	Germany	0.36	51.11	0.14
89	Spain	0.35	50.56	0.13
90	Italy	0.34	50.00	0.12
91	United States of America	0.33	49.44	0.11
92	Portugal	0.32	48.89	0.10
93	Japan	0.31	48.33	0.09
94	South Korea	0.30	47.78	0.08
95	China	0.29	47.22	0.07
96	United Arab Emirates	0.28	46.67	0.06
97	Ukraine	0.27	46.11	0.05
98	Poland	0.26	45.56	0.04
99	United Kingdom	0.25	45.00	0.03
100	Canada	0.24	44.44	0.02
101	Belgium	0.23	43.89	0.01
102	France	0.22	43.33	0.00
103	Germany	0.21	42.78	0.00
104	Spain	0.20	42.22	0.00
105	Italy	0.19	41.67	0.00
106	United States of America	0.18	41.11	0.00
107	Portugal	0.17	40.56	0.00
108	Japan	0.16	40.00	0.00
109	South Korea	0.15	39.44	0.00
110	China	0.14	38.89	0.00
111	United Arab Emirates	0.13	38.33	0.00
112	Ukraine	0.12	37.78	0.00
113	Poland	0.11	37.22	0.00
114	United Kingdom	0.10	36.67	0.00
115	Canada	0.09	36.11	0.00
116	Belgium	0.08	35.56	0.00
117	France	0.07	35.00	0.00
118	Germany	0.06	34.44	0.00
119	Spain	0.05	33.89	0.00
120	Italy	0.04	33.33	0.00
121	United States of America	0.03	32.78	0.00
122	Portugal	0.02	32.22	0.00
123	Japan	0.01	31.67	0.00
124	South Korea	0.00	31.11	0.00
125	China	0.00	30.56	0.00
126	United Arab Emirates	0.00	30.00	0.00
127	Ukraine	0.00	29.44	0.00
128	Poland	0.00	28.89	0.00
129	United Kingdom	0.00	28.33	0.00
130	Canada	0.00	27.78	0.00
131	Belgium	0.00	27.22	0.00
132	France	0.00	26.67	0.00
133	Germany	0.00	26.11	0.00
134	Spain	0.00	25.56	0.00
135	Italy	0.00	25.00	0.00
136	United States of America	0.00	24.44	0.00
137	Portugal	0.00	23.89	0.00
138	Japan	0.00	23.33	0.00
139	South Korea	0.00	22.78	0.00
140	China	0.00	22.22	0.00
141	United Arab Emirates	0.00	21.67	0.00
142	Ukraine	0.00	21.11	0.00
143	Poland	0.00	20.56	0.00
144	United Kingdom	0.00	20.00	0.00
145	Canada	0.00	19.44	0.00
146	Belgium	0.00	18.89	0.00
147	France	0.00	18.33	0.00
148	Germany	0.00	17.78	0.00
149	Spain	0.00	17.22	0.00
150	Italy	0.00	16.67	0.00
151	United States of America	0.00	16.11	0.00
152	Portugal	0.00	15.56	0.00
153	Japan	0.00	15.00	0.00
154	South Korea	0.00	14.44	0.00
155	China	0.00	13.89	0.00
156	United Arab Emirates	0.00	13.33	0.00
157	Ukraine	0.00	12.78	0.00
158	Poland	0.00	12.22	0.00
159	United Kingdom	0.00	11.67	0.00
160	Canada	0.00	11.11	0.00
161	Belgium	0.00	10.56	0.00
162	France	0.00	10.00	0.00
163	Germany	0.00	9.44	0.00
164	Spain	0.00	8.89	0.00
165	Italy	0.00	8.33	0.00
166	United States of America	0.00	7.78	0.00
167	Portugal	0.00	7.22	0.00
168	Japan	0.00	6.67	0.00
169	South Korea	0.00	6.11	0.00
170	China	0.00	5.56	0.00
171	United Arab Emirates	0.00	5.00	0.00
172	Ukraine	0.00	4.44	0.00
173	Poland	0.00	3.89	0.00
174	United Kingdom	0.00	3.33	0.00
175	Canada	0.00	2.78	0.00
176	Belgium	0.00	2.22	0.00
177	France	0.00	1.67	0.00
178	Germany	0.00	1.11	0.00
179	Spain	0.00	0.56	0.00
180	Italy	0.00	0.00	0.00

Explanation of scores

The tables list the economies by their rank order, with the best performers at the top. After the rank comes the country/economy name, the original value of the specific indicator for that country (in the units specified in the sub-heading), the normalized score in the [0, 100] range, and the percentage of economies with scores that fall below the normalized score (i.e., percent ranks).

To the far right of each column, a solid circle indicates that an indicator is a strength for the country/economy in question,

Opinion Survey, singled out with a dagger (†).

Twenty-two indicators that were assigned half weight are singled out with an 'a'. Normally higher values indicate better outcomes; five indicators for which higher scores indicate worse outcomes (commonly known as 'bads') are differentiated with a 'b'. Five composite indicators calculated as percent ranks at the source are singled out with an 'r'.

and a hollow circle indicates that it is a weakness (refer to Appendix I Country/Economy Profiles for details).

- Strengths are all ranks of 1, as well as all scores with percent ranks greater than the 10th highest percent rank among the 84 indicators in a specific economy.

- Weaknesses are all scores with percent ranks lower than the 10th smallest percent rank among the 84 indicators in a specific economy.

For three hard data series (7.3.1, 7.3.2, and 7.3.4), the raw data were provided under the condition that only the normalized scores be published and therefore the original value equals the normalized score. For indicator 3.3.2, the range for both measures is the same, [0, 100], and therefore both measures are also identical. In the case of five composite indicators that were calculated as percent ranks at the source (indicators 1.3.1, 1.3.2, 1.3.3, 4.1.1, and 4.2.1, singled out with ‘*r’), the normalized scores correspond to the percent ranks recalculated for the sample of 141 economies times 100.

Details on the computation methodology can be found in Appendix IV, Technical Notes.

Index of Data Tables

1 Institutions

1.1 Political environment

1.1.1 Political stability and absence of violence/terrorism.....	325
1.1.2 Government effectiveness	326
1.1.3 Press freedom	327

1.2 Regulatory environment

1.2.1 Regulatory quality.....	328
1.2.2 Rule of law	329
1.2.3 Cost of redundancy dismissal	330

1.3 Business environment

1.3.1 Ease of starting a business	331
1.3.2 Ease of resolving insolvency	332
1.3.3 Ease of paying taxes	333

2 Human capital and research

2.1 Education

2.1.1 Expenditure on education.....	334
2.1.2 Public expenditure on education per pupil.....	335
2.1.3 School life expectancy.....	336
2.1.4 Assessment in reading, mathematics, and science.....	337
2.1.5 Pupil-teacher ratio, secondary.....	338

2.2 Tertiary education

2.2.1 Tertiary enrolment.....	339
2.2.2 Graduates in science and engineering	340
2.2.3 Tertiary inbound mobility.....	341
2.2.4 Gross tertiary outbound enrolment.....	342

2.3 Research and development (R&D)

2.3.1 Researchers	343
2.3.2 Gross expenditure on R&D (GERD).....	344
2.3.3 Quality of scientific research institutions.....	345

3 Infrastructure

3.1 Information and communication technologies (ICT)

3.1.1 ICT access.....	346
3.1.2 ICT use.....	347
3.1.3 Government's online service.....	348
3.1.4 Online e-participation	349

3.2 General infrastructure

3.2.1 Electricity output.....	350
3.2.2 Electricity consumption	351
3.2.3 Trade and transport-related infrastructure.....	352
3.2.4 Gross capital formation	353

3.3 Ecological sustainability

3.3.1 GDP per unit of energy use.....	354
3.3.2 Environmental performance.....	355
3.3.3 ISO 14001 environmental certificates.....	356

4 Market sophistication

4.1 Credit

4.1.1 Ease of getting credit.....	357
4.1.2 Domestic credit to private sector	358
4.1.3 Microfinance institutions' gross loan portfolio	359

4.2 Investment

4.2.1 Ease of protecting investors.....	360
4.2.2 Market capitalization.....	361
4.2.3 Total value of stocks traded	362
4.2.4 Venture capital deals.....	363

4.3 Trade and competition

4.3.1 Applied tariff rate, weighted mean.....	364
4.3.2 Market access for non-agricultural exports.....	365
4.3.3 Imports of goods and services.....	366
4.3.4 Exports of goods and services.....	367
4.3.5 Intensity of local competition	368

5 Business sophistication

5.1 Knowledge workers

5.1.1 Employment in knowledge-intensive services.....	369
5.1.2 Firms offering formal training.....	370
5.1.3 GERD performed by business enterprise.....	371
5.1.4 GERD financed by business enterprise.....	372
5.1.5 GMAT mean score.....	373
5.1.6 GMAT test takers.....	374

5.2 Innovation linkages

5.2.1 University/industry research collaboration.....	375
5.2.2 State of cluster development.....	376
5.2.3 GERD financed by abroad.....	377
5.2.4 Joint venture / strategic alliance deals.....	378
5.2.5 Share of patents with foreign inventor.....	379

5.3 Knowledge absorption

5.3.1 Royalty and license fees payments.....	380
5.3.2 High-tech imports.....	381
5.3.3 Computer and communications service imports.....	382
5.3.4 Foreign direct investment net inflows.....	383

6 Knowledge and technology outputs

6.1 Knowledge creation

6.1.1 National office patent applications.....	384
6.1.2 Patent Cooperation Treaty applications.....	385
6.1.3 National office utility model applications.....	386
6.1.4 Scientific and technical journal articles.....	387

6.2 Knowledge impact

6.2.1 Growth rate of GDP per person engaged.....	388
6.2.2 New business density.....	389
6.2.3 Total computer software spending.....	390
6.2.4 ISO 9001 quality certificates.....	391

6.3 Knowledge diffusion

6.3.1 Royalty and license fees receipts.....	392
6.3.2 High-tech exports.....	393
6.3.3 Computer and communications service exports.....	394
6.3.4 Foreign direct investment net outflows.....	395

7 Creative outputs

7.1 Creative intangibles

7.1.1 National office trademark registrations.....	396
7.1.2 Madrid Agreement trademark registrations.....	397
7.1.3 ICT and business model creation.....	398
7.1.4 ICT and organizational models creation.....	399

7.2 Creative goods and services

7.2.1 Recreation and culture consumption.....	400
7.2.2 National feature films produced.....	401
7.2.3 Daily newspapers circulation.....	402
7.2.4 Creative goods exports.....	403
7.2.5 Creative services exports.....	404

7.3 Creation of online content

7.3.1 Generic top-level domains (gTLDs).....	405
7.3.2 Country-code top-level domains (ccTLDs).....	406
7.3.3 Wikipedia monthly edits.....	407
7.3.4 Video uploads on YouTube.....	408

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Luxembourg	1.44	100.00	1.00	●	73	Swaziland	-0.06	63.99	0.49	
2	Finland	1.38	98.67	0.99	●	74	Ukraine	-0.10	62.85	0.48	
3	Norway	1.29	96.44	0.99	●	75	Rwanda	-0.11	62.70	0.47	
4	Brunei Darussalam	1.24	95.30	0.98	●	76	Belarus	-0.11	62.64	0.46	
5	Switzerland	1.21	94.46	0.97		77	Burkina Faso	-0.11	62.61	0.46	
6	New Zealand	1.15	93.15	0.96	●	78	Greece	-0.11	62.57	0.45	
7	Malta	1.14	92.95	0.96		79	Fiji	-0.15	61.72	0.44	
8	Singapore	1.12	92.47	0.95		80	Spain	-0.18	61.04	0.44	
9	Austria	1.09	91.58	0.94	●	81	Albania	-0.18	60.87	0.43	
10	Sweden	1.08	91.31	0.94		82	Togo	-0.19	60.83	0.42	
11	Qatar	1.06	91.01	0.93		83	Angola	-0.22	60.12	0.41	
12	Slovakia	1.02	89.98	0.92	●	84	Lao PDR	-0.23	59.86	0.41	
13	Iceland	1.01	89.75	0.91		85	Saudi Arabia	-0.23	59.78	0.40	
14	Denmark	1.01	89.71	0.91		86	Mali	-0.25	59.22	0.39	
15	Poland	1.00	89.44	0.90	●	87	Jordan	-0.27	58.90	0.39	
16	Ireland	1.00	89.41	0.89		88	Azerbaijan	-0.31	57.89	0.38	
17	Czech Republic	0.97	88.81	0.89		89	Bahrain	-0.34	57.11	0.37	
18	Canada	0.94	88.05	0.88		90	Senegal	-0.39	55.88	0.36	
19	Netherlands	0.93	87.87	0.87		91	Bolivia, Plurinational St.	-0.40	55.66	0.36	
20	Botswana	0.91	87.27	0.86	●	92	Jamaica	-0.40	55.57	0.35	
21	Hong Kong (China)	0.91	87.23	0.86		93	Serbia	-0.41	55.52	0.34	
22	Uruguay	0.89	86.69	0.85	●	94	Moldova, Rep.	-0.42	55.25	0.34	
23	Japan	0.87	86.42	0.84		95	Macedonia, FYR	-0.47	53.95	0.33	
24	United Arab Emirates	0.82	85.15	0.84		96	Ghana	-0.51	53.07	0.32	
25	Slovenia	0.82	85.03	0.83		97	Morocco	-0.52	52.81	0.31	
26	Australia	0.81	84.99	0.82		98	Honduras	-0.54	52.38	0.31	
27	Germany	0.81	84.93	0.81		99	Cameroon	-0.58	51.40	0.30	
28	Belgium	0.80	84.57	0.81		100	Nicaragua	-0.61	50.68	0.29	
29	Namibia	0.75	83.46	0.80	●	101	Cambodia	-0.62	50.41	0.29	
30	Hungary	0.71	82.49	0.79		102	Ecuador	-0.63	50.11	0.28	
31	France	0.70	82.22	0.79		103	Bosnia and Herzegovina	-0.67	49.25	0.27	
32	Oman	0.69	81.90	0.78	●	104	Georgia	-0.68	48.87	0.26	
33	Portugal	0.68	81.74	0.77		105	China	-0.77	46.83	0.26	
34	Lithuania	0.66	81.35	0.76		106	Uzbekistan	-0.78	46.56	0.25	
35	Costa Rica	0.64	80.85	0.76		107	Mexico	-0.79	46.18	0.24	○
36	Estonia	0.64	80.66	0.75		108	Guatemala	-0.80	46.11	0.24	
37	Chile	0.61	79.98	0.74		109	Syrian Arab Rep.	-0.81	45.64	0.23	
38	Croatia	0.61	79.95	0.74		110	Sri Lanka	-0.83	45.39	0.22	
39	Mauritius	0.53	78.00	0.73		111	Peru	-0.87	44.38	0.21	
40	Mongolia	0.51	77.63	0.72		112	Paraguay	-0.88	44.15	0.21	
41	Montenegro	0.50	77.50	0.71		113	Indonesia	-0.89	43.91	0.20	
42	Zambia	0.48	76.90	0.71	●	114	Russian Federation	-0.89	43.90	0.19	○
43	Lesotho	0.48	76.85	0.70	●	115	Egypt	-0.91	43.41	0.19	
44	Latvia	0.48	76.83	0.69		116	Tajikistan	-0.91	43.31	0.18	
45	Italy	0.47	76.75	0.69		117	Kyrgyzstan	-0.96	42.24	0.17	
46	Kazakhstan	0.46	76.50	0.68		118	Turkey	-1.00	41.25	0.16	
47	Kuwait	0.43	75.60	0.67		119	Uganda	-1.12	38.27	0.16	
48	Cyprus	0.41	75.11	0.66		120	Madagascar	-1.13	37.93	0.15	
49	United Kingdom	0.40	75.08	0.66		121	Niger	-1.14	37.89	0.14	
50	Bulgaria	0.38	74.43	0.65		122	Kenya	-1.20	36.32	0.14	
51	Mozambique	0.32	73.09	0.64	●	123	Zimbabwe	-1.21	36.11	0.13	
52	United States of America	0.31	72.84	0.64		124	Thailand	-1.22	35.83	0.12	○
53	Benin	0.31	72.70	0.63	●	125	Algeria	-1.25	35.10	0.11	
54	Romania	0.26	71.51	0.62		126	India	-1.31	33.57	0.11	
55	Gabon	0.22	70.62	0.61	●	127	Venezuela, Bolivarian Rep.	-1.37	32.23	0.10	
56	Malaysia	0.14	68.78	0.61		128	Bangladesh	-1.42	30.91	0.09	
57	Viet Nam	0.13	68.43	0.60		129	Israel	-1.49	29.37	0.09	○
58	Tunisia	0.10	67.68	0.59		130	Colombia	-1.49	29.23	0.08	○
59	Korea, Rep.	0.10	67.66	0.59		131	Lebanon	-1.53	28.41	0.07	○
60	Malawi	0.08	67.29	0.58	●	132	Burundi	-1.54	28.12	0.06	
61	El Salvador	0.07	66.96	0.57		133	Côte d'Ivoire	-1.55	27.80	0.06	○
62	Gambia	0.06	66.67	0.56	●	134	Philippines	-1.56	27.68	0.05	○
63	Brazil	0.05	66.48	0.56		135	Iran, Islamic Rep.	-1.57	27.53	0.04	○
64	Ghana	0.04	66.23	0.55		136	Nepal	-1.68	24.64	0.04	○
65	Armenia	0.03	65.94	0.54		137	Ethiopia	-1.71	24.13	0.03	
66	Panama	0.02	65.89	0.54		138	Nigeria	-2.05	15.88	0.02	○
67	Dominican Republic	0.02	65.86	0.53		139	Yemen	-2.22	11.65	0.01	○
68	Tanzania, United Rep.	-0.01	65.13	0.52		140	Sudan	-2.70	0.11	0.01	○
69	Argentina	-0.01	65.10	0.51		141	Pakistan	-2.70	0.00	0.00	○
70	Belize	-0.01	65.09	0.51							
71	South Africa	-0.03	64.71	0.50							
72	Trinidad and Tobago	-0.04	64.46	0.49							

SOURCE: World Bank, *World Governance Indicators 2010*

1.1.2 Government effectiveness

Government effectiveness index* | 2010

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Singapore	2.25	100.00	1.00	●	73	Serbia	–0.11	38.00	0.49	
2	Finland	2.24	99.81	0.99	●	74	Guyana	–0.14	37.36	0.48	
3	Denmark	2.17	97.88	0.99	●	75	Romania	–0.14	37.19	0.47	
4	Sweden	2.02	93.92	0.98	●	76	Armenia	–0.15	36.97	0.46	
5	Switzerland	1.91	91.18	0.97		77	Sri Lanka	–0.17	36.56	0.46	
6	Austria	1.89	90.55	0.96	●	78	Morocco	–0.17	36.51	0.45	
7	New Zealand	1.87	90.07	0.96		79	Macedonia, FYR	–0.18	36.31	0.44	
8	Canada	1.87	89.96	0.95		80	Indonesia	–0.20	35.85	0.44	
9	Australia	1.82	88.67	0.94	●	81	Peru	–0.21	35.55	0.43	
10	Norway	1.79	88.09	0.94		82	Argentina	–0.21	35.44	0.42	
11	Hong Kong (China)	1.74	86.60	0.93		83	Albania	–0.27	33.80	0.41	
12	Netherlands	1.73	86.49	0.92		84	Kazakhstan	–0.28	33.65	0.41	
13	Luxembourg	1.71	85.82	0.91		85	Viet Nam	–0.31	32.84	0.40	
14	Belgium	1.59	82.77	0.91		86	Lebanon	–0.34	31.92	0.39	
15	Iceland	1.58	82.44	0.90		87	Ethiopia	–0.35	31.80	0.39	
16	United Kingdom	1.56	81.96	0.89		88	Lesotho	–0.37	31.29	0.38	
17	Germany	1.55	81.80	0.89		89	Russian Federation	–0.39	30.62	0.37	
18	Cyprus	1.50	80.32	0.88		90	Malawi	–0.40	30.48	0.36	
19	United States of America	1.44	78.84	0.87		91	Egypt	–0.43	29.65	0.36	
20	France	1.44	78.80	0.86		92	Belize	–0.44	29.36	0.35	
21	Japan	1.40	77.67	0.86		93	Bolivia, Plurinational St.	–0.45	29.11	0.34	
22	Ireland	1.31	75.46	0.85		94	Mozambique	–0.47	28.68	0.34	
23	Israel	1.24	73.61	0.84		95	Tanzania, United Rep.	–0.50	27.77	0.33	
24	Estonia	1.22	73.05	0.84		96	Senegal	–0.51	27.59	0.32	
25	Korea, Rep.	1.19	72.21	0.83		97	Iran, Islamic Rep.	–0.52	27.36	0.31	
26	Chile	1.18	71.95	0.82	●	98	Swaziland	–0.52	27.25	0.31	
27	Malta	1.16	71.31	0.81		99	Kenya	–0.54	26.91	0.30	
28	Malaysia	1.10	69.79	0.81		100	Benin	–0.54	26.89	0.29	
29	Portugal	1.04	68.24	0.80		101	Syrian Arab Rep.	–0.55	26.51	0.29	
30	Slovenia	1.03	68.11	0.79		102	Uganda	–0.55	26.44	0.28	
31	Czech Republic	1.01	67.45	0.79		103	Algeria	–0.56	26.21	0.27	
32	Spain	0.98	66.80	0.78		104	Burkina Faso	–0.58	25.72	0.26	
33	Qatar	0.94	65.55	0.77		105	Mongolia	–0.61	24.82	0.26	
34	Brunei Darussalam	0.88	64.20	0.76		106	Dominican Republic	–0.63	24.52	0.25	
35	Slovakia	0.85	63.41	0.76		107	Moldova, Rep.	–0.63	24.46	0.24	
36	United Arab Emirates	0.78	61.54	0.75		108	Kyrgyzstan	–0.63	24.40	0.24	
37	Mauritius	0.77	61.09	0.74		109	Honduras	–0.67	23.41	0.23	
38	Lithuania	0.72	59.97	0.74		110	Gambia	–0.67	23.27	0.22	
39	Poland	0.71	59.51	0.73		111	Ecuador	–0.68	23.23	0.21	
40	Latvia	0.70	59.28	0.72		112	Guatemala	–0.71	22.41	0.21	
41	Hungary	0.69	59.20	0.71		113	Niger	–0.71	22.33	0.20	
42	Uruguay	0.66	58.17	0.71		114	Bosnia and Herzegovina	–0.73	21.69	0.19	
43	Croatia	0.62	57.15	0.70		115	Fiji	–0.74	21.62	0.19	
44	Bahrain	0.59	56.59	0.69		116	Pakistan	–0.77	20.82	0.18	
45	Oman	0.59	56.34	0.69		117	Nepal	–0.77	20.79	0.17	
46	Greece	0.52	54.65	0.68		118	Ukraine	–0.77	20.63	0.16	○
47	Italy	0.52	54.50	0.67		119	Uzbekistan	–0.80	20.05	0.16	
48	Botswana	0.51	54.34	0.66		120	Zambia	–0.80	19.92	0.15	
49	Turkey	0.35	50.16	0.66		121	Madagascar	–0.82	19.35	0.14	
50	South Africa	0.34	49.88	0.65		122	Cambodia	–0.83	19.27	0.14	
51	Costa Rica	0.32	49.35	0.64		123	Azerbaijan	–0.84	18.93	0.13	
52	Georgia	0.29	48.61	0.64		124	Bangladesh	–0.84	18.83	0.12	
53	Trinidad and Tobago	0.25	47.65	0.63		125	Gabon	–0.86	18.51	0.11	
54	Tunisia	0.19	46.07	0.62		126	Mali	–0.88	17.84	0.11	
55	Jamaica	0.18	45.78	0.61		127	Cameroon	–0.89	17.72	0.10	
56	Mexico	0.17	45.37	0.61		128	Tajikistan	–0.91	17.18	0.09	
57	Colombia	0.14	44.74	0.60		129	Paraguay	–0.92	16.74	0.09	
58	Panama	0.14	44.59	0.59		130	Lao PDR	–0.94	16.22	0.08	
59	China	0.12	44.20	0.59		131	Nicaragua	–0.96	15.71	0.07	○
60	Namibia	0.10	43.61	0.58		132	Venezuela, Bolivarian Rep.	–1.02	14.21	0.06	
61	Kuwait	0.10	43.61	0.57		133	Yemen	–1.03	13.84	0.06	
62	Thailand	0.09	43.20	0.56		134	Burundi	–1.09	12.27	0.05	
63	Montenegro	0.08	43.05	0.56		135	Angola	–1.12	11.44	0.04	
64	Jordan	0.08	43.04	0.55		136	Belarus	–1.13	11.26	0.04	○
65	Brazil	0.07	42.84	0.54		137	Nigeria	–1.20	9.59	0.03	○
66	Bulgaria	0.01	41.15	0.54		138	Côte d'Ivoire	–1.33	6.08	0.02	○
67	El Salvador	0.01	41.13	0.53		139	Sudan	–1.37	5.00	0.01	○
68	Ghana	–0.01	40.80	0.52		140	Togo	–1.39	4.56	0.01	○
69	India	–0.01	40.77	0.51		141	Zimbabwe	–1.56	0.00	0.00	○
70	Rwanda	–0.05	39.60	0.51							
71	Saudi Arabia	–0.08	38.84	0.50							
72	Philippines	–0.10	38.25	0.49							

SOURCE: World Bank, *World Governance Indicators 2010*

1.1.3 Press freedom

Press freedom index* | 2011

327

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Finland.....	–10.00	100.00	0.99	●	73	Macedonia, FYR.....	31.67	71.84	0.48	
1	Norway.....	–10.00	100.00	0.99	●	74	Dominican Republic.....	33.25	70.78	0.47	
3	Estonia.....	–9.00	99.32	0.98	●	75	Albania.....	34.44	69.97	0.47	
3	Netherlands.....	–9.00	99.32	0.98	●	76	Cameroon.....	35.00	69.59	0.45	
5	Austria.....	–8.00	98.65	0.97	●	76	Guatemala.....	35.00	69.59	0.45	
6	Iceland.....	–7.00	97.97	0.96		78	Brazil.....	35.33	69.37	0.45	
6	Luxembourg.....	–7.00	97.97	0.96		79	Mongolia.....	35.75	69.09	0.44	
8	Switzerland.....	–6.20	97.43	0.95		80	Gabon.....	36.50	68.58	0.43	
9	Canada.....	–5.67	97.07	0.94		81	Ecuador.....	38.00	67.57	0.42	
9	Denmark.....	–5.67	97.07	0.94		81	Georgia.....	38.00	67.57	0.42	
11	Sweden.....	–5.50	96.96	0.93		83	Nepal.....	38.75	67.06	0.41	
12	New Zealand.....	–5.33	96.84	0.92		84	Montenegro.....	39.00	66.89	0.40	
13	Czech Republic.....	–5.00	96.62	0.91	●	85	Bolivia, Plurinational St.....	40.00	66.22	0.39	
14	Ireland.....	–4.00	95.95	0.91		85	Kyrgyzstan.....	40.00	66.22	0.39	
15	Cyprus.....	–3.00	95.27	0.88		87	United Arab Emirates.....	45.00	62.84	0.38	
15	Germany.....	–3.00	95.27	0.88		88	Panama.....	45.67	62.39	0.37	
15	Jamaica.....	–3.00	95.27	0.88	●	89	Qatar.....	46.00	62.16	0.37	
18	Costa Rica.....	–2.25	94.76	0.88	●	90	Peru.....	51.25	58.61	0.36	
19	Belgium.....	–2.00	94.59	0.86		91	Ukraine.....	54.00	56.76	0.35	
19	Namibia.....	–2.00	94.59	0.86	●	92	Cambodia.....	55.00	56.08	0.32	
21	Japan.....	–1.00	93.92	0.86		92	Fiji.....	55.00	56.08	0.32	
22	Poland.....	–0.67	93.70	0.85	●	92	Oman.....	55.00	56.08	0.32	
23	Mali.....	0.00	93.24	0.83	●	92	Venezuela, Bolivarian Rep.....	55.00	56.08	0.32	
23	Slovakia.....	0.00	93.24	0.83	●	92	Zimbabwe.....	55.00	56.08	0.32	
25	United Kingdom.....	2.00	91.89	0.83		97	Algeria.....	56.00	55.41	0.29	
26	Niger.....	2.50	91.55	0.82	●	97	Malaysia.....	56.00	55.41	0.29	○
27	Australia.....	4.00	90.54	0.81		97	Tajikistan.....	56.00	55.41	0.29	
27	Lithuania.....	4.00	90.54	0.81		100	Brunei Darussalam.....	56.20	55.27	0.29	
29	Uruguay.....	4.25	90.37	0.80	●	101	Nigeria.....	56.40	55.14	0.28	
30	Portugal.....	5.33	89.64	0.79		102	Ethiopia.....	56.60	55.00	0.27	
31	Tanzania, United Rep.....	6.00	89.19	0.78	●	103	Jordan.....	56.80	54.86	0.27	
32	Slovenia.....	9.14	87.07	0.78		104	Bangladesh.....	57.00	54.73	0.26	
33	El Salvador.....	9.30	86.96	0.77	●	105	Burundi.....	57.75	54.22	0.25	
34	France.....	9.50	86.82	0.76		106	India.....	58.00	54.05	0.24	
35	Spain.....	9.75	86.66	0.76		107	Angola.....	58.43	53.76	0.24	
36	Hungary.....	10.00	86.49	0.75		108	Tunisia.....	60.25	52.53	0.23	○
37	Ghana.....	11.00	85.81	0.74	●	109	Honduras.....	61.00	52.03	0.22	
38	Botswana.....	12.00	85.14	0.73		109	Singapore.....	61.00	52.03	0.22	○
38	South Africa.....	12.00	85.14	0.73		111	Thailand.....	61.50	51.69	0.21	○
40	Korea, Rep.....	12.67	84.68	0.72		112	Morocco.....	63.29	50.48	0.20	○
41	Argentina.....	14.00	83.78	0.70		113	Uganda.....	64.00	50.00	0.19	
41	Romania.....	14.00	83.78	0.70		114	Philippines.....	64.50	49.66	0.19	
41	United States of America.....	14.00	83.78	0.70		115	Gambia.....	65.50	48.99	0.18	
44	Latvia.....	15.00	83.11	0.68		116	Russian Federation.....	66.00	48.65	0.17	○
44	Trinidad and Tobago.....	15.00	83.11	0.68		117	Colombia.....	66.50	48.31	0.17	○
46	Moldova, Rep.....	16.00	82.43	0.68		118	Swaziland.....	67.00	47.97	0.16	
47	Hong Kong (China).....	17.00	81.76	0.66		119	Indonesia.....	68.00	47.30	0.14	
47	Mauritius.....	17.00	81.76	0.66		119	Malawi.....	68.00	47.30	0.14	
49	Bosnia and Herzegovina.....	19.50	80.07	0.64		121	Turkey.....	70.00	45.95	0.14	○
49	Guyana.....	19.50	80.07	0.64		122	Mexico.....	72.67	44.14	0.13	○
49	Malta.....	19.50	80.07	0.64		123	Pakistan.....	75.00	42.57	0.12	
52	Italy.....	19.67	79.95	0.63		124	Kazakhstan.....	77.50	40.88	0.12	○
53	Lesotho.....	21.00	79.05	0.63	●	125	Rwanda.....	81.00	38.51	0.11	
54	Mozambique.....	21.50	78.72	0.62		126	Uzbekistan.....	83.00	37.16	0.10	
55	Burkina Faso.....	23.33	77.48	0.60	●	127	Saudi Arabia.....	83.25	36.99	0.09	○
55	Croatia.....	23.33	77.48	0.60		128	Côte d'Ivoire.....	83.50	36.82	0.09	
57	Greece.....	24.00	77.03	0.60		129	Azerbaijan.....	87.25	34.29	0.08	○
58	Nicaragua.....	24.33	76.80	0.59		130	Sri Lanka.....	87.50	34.12	0.07	○
59	Senegal.....	26.00	75.68	0.58		131	Lao PDR.....	89.00	33.11	0.06	
60	Armenia.....	27.00	75.00	0.58		132	Egypt.....	97.50	27.36	0.06	○
61	Kuwait.....	28.00	74.32	0.57		133	Belarus.....	99.00	26.35	0.05	○
62	Togo.....	28.50	73.99	0.56		134	Sudan.....	100.75	25.17	0.04	
63	Bulgaria.....	29.00	73.65	0.53		135	Yemen.....	101.00	25.00	0.04	
63	Chile.....	29.00	73.65	0.53		136	Viet Nam.....	114.00	16.22	0.03	○
63	Paraguay.....	29.00	73.65	0.53		137	Bahrain.....	125.00	8.78	0.02	○
63	Serbia.....	29.00	73.65	0.53		138	China.....	136.00	1.35	0.01	○
67	Kenya.....	29.50	73.31	0.52		139	Iran, Islamic Rep.....	136.60	0.95	0.01	○
67	Madagascar.....	29.50	73.31	0.52		140	Syrian Arab Rep.....	138.00	0.00	0.00	○
69	Zambia.....	30.00	72.97	0.51		n/a	Belize.....	n/a	n/a	n/a	
70	Benin.....	31.00	72.30	0.50	●						
71	Israel.....	31.25	72.13	0.50							
72	Lebanon.....	31.50	71.96	0.49							

SOURCE: Reporters Without Borders, *Press Freedom Index 2011–2012*

1.2.1

Regulatory quality

Regulatory quality index^{*a} | 2010

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Denmark	1.90	100.00	1.00	●	73	Tunisia	-0.02	51.35	0.49	
2	Hong Kong (China)	1.89	99.73	0.99		74	Serbia	-0.02	51.24	0.48	
3	Finland	1.84	98.36	0.99		75	Montenegro	-0.06	50.20	0.47	
4	Singapore	1.80	97.49	0.98		76	Bosnia and Herzegovina	-0.10	49.22	0.46	
5	Netherlands	1.79	97.26	0.97	●	77	Burkina Faso	-0.11	49.05	0.46	
6	New Zealand	1.79	97.18	0.96	●	78	Morocco	-0.11	48.85	0.45	
7	United Kingdom	1.75	96.03	0.96		79	Moldova, Rep.	-0.12	48.78	0.44	
8	Sweden	1.72	95.39	0.95		80	Kenya	-0.13	48.51	0.44	
9	Canada	1.69	94.55	0.94		81	Uganda	-0.13	48.39	0.43	
10	Luxembourg	1.69	94.55	0.94		82	Rwanda	-0.18	47.29	0.42	
11	Australia	1.66	93.79	0.93		83	Guatemala	-0.18	47.24	0.41	
12	Ireland	1.65	93.66	0.92		84	Egypt	-0.18	47.15	0.41	
13	Switzerland	1.65	93.66	0.91		85	Dominican Republic	-0.20	46.64	0.40	
14	Germany	1.58	91.72	0.91		86	Honduras	-0.20	46.55	0.39	
15	Austria	1.52	90.44	0.90		87	Sri Lanka	-0.21	46.49	0.39	
16	Norway	1.48	89.34	0.89		88	China	-0.23	45.88	0.38	
17	Estonia	1.45	88.47	0.89		89	Kyrgyzstan	-0.25	45.45	0.37	
18	Chile	1.44	88.34	0.88	●	90	Philippines	-0.26	45.03	0.36	
19	Malta	1.42	87.82	0.87		91	Senegal	-0.27	44.78	0.36	
20	United States of America	1.42	87.74	0.86		92	Mongolia	-0.28	44.58	0.35	
21	Cyprus	1.37	86.57	0.86		93	Kazakhstan	-0.32	43.53	0.34	
22	France	1.34	85.70	0.85		94	Benin	-0.33	43.48	0.34	
23	Belgium	1.30	84.83	0.84		95	Paraguay	-0.35	42.80	0.33	
24	Czech Republic	1.24	83.12	0.84		96	Mozambique	-0.37	42.45	0.32	
25	Israel	1.22	82.58	0.83		97	Nicaragua	-0.37	42.26	0.31	
26	Spain	1.19	81.98	0.82		98	Indonesia	-0.38	42.22	0.31	
27	Brunei Darussalam	1.11	80.01	0.81	●	99	India	-0.39	41.77	0.30	
28	Hungary	1.05	78.51	0.81		100	Gambia	-0.39	41.75	0.29	
29	Slovakia	1.05	78.49	0.80		101	Russian Federation	-0.39	41.72	0.29	
30	Japan	0.98	76.62	0.79		102	Tanzania, United Rep.	-0.41	41.28	0.28	
31	Latvia	0.98	76.54	0.79		103	Azerbaijan	-0.44	40.46	0.27	
32	Lithuania	0.97	76.46	0.78		104	Mali	-0.47	39.83	0.26	
33	Poland	0.97	76.46	0.77		105	Belize	-0.47	39.83	0.26	
34	Korea, Rep.	0.91	74.93	0.76		106	Cambodia	-0.48	39.67	0.25	
35	Iceland	0.91	74.81	0.76		107	Zambia	-0.49	39.23	0.24	
36	Italy	0.85	73.28	0.75		108	Niger	-0.50	39.05	0.24	
37	Mauritius	0.85	73.24	0.74		109	Guyana	-0.55	37.86	0.23	
38	Portugal	0.82	72.51	0.74		110	Ukraine	-0.55	37.77	0.22	
39	Bahrain	0.77	71.32	0.73		111	Malawi	-0.57	37.39	0.21	
40	Slovenia	0.75	70.86	0.72		112	Viet Nam	-0.58	37.07	0.21	○
41	Romania	0.66	68.52	0.71		113	Madagascar	-0.59	36.72	0.20	
42	Greece	0.65	68.32	0.71		114	Pakistan	-0.60	36.60	0.19	
43	Bulgaria	0.61	67.14	0.70		115	Yemen	-0.60	36.50	0.19	
44	Malaysia	0.58	66.50	0.69		116	Gabon	-0.62	36.09	0.18	
45	Georgia	0.58	66.38	0.69		117	Lesotho	-0.62	36.00	0.17	
46	Croatia	0.56	66.01	0.68		118	Swaziland	-0.65	35.25	0.16	
47	Qatar	0.54	65.48	0.67		119	Fiji	-0.68	34.51	0.16	○
48	Costa Rica	0.51	64.59	0.66		120	Argentina	-0.69	34.24	0.15	○
49	Oman	0.51	64.58	0.66		121	Cameroon	-0.72	33.55	0.14	
50	Trinidad and Tobago	0.49	64.17	0.65		122	Nepal	-0.74	32.92	0.14	
51	Botswana	0.47	63.71	0.64		123	Nigeria	-0.78	31.95	0.13	
52	Peru	0.45	63.20	0.64		124	Bolivia, Plurinational St.	-0.82	30.96	0.12	○
53	Panama	0.40	61.96	0.63		125	Bangladesh	-0.86	29.87	0.11	
54	Uruguay	0.40	61.90	0.62		126	Ethiopia	-0.88	29.30	0.11	
55	South Africa	0.39	61.66	0.61		127	Togo	-0.89	29.04	0.10	
56	United Arab Emirates	0.38	61.48	0.61		128	Côte d'Ivoire	-0.91	28.77	0.09	
57	Turkey	0.38	61.44	0.60		129	Syrian Arab Rep.	-0.94	28.01	0.09	
58	El Salvador	0.37	61.18	0.59		130	Lao PDR	-1.03	25.59	0.08	
59	Colombia	0.31	59.50	0.59		131	Angola	-1.05	25.17	0.07	
60	Jamaica	0.30	59.27	0.58		132	Tajikistan	-1.06	24.84	0.06	○
61	Macedonia, FYR	0.28	58.90	0.57		133	Burundi	-1.14	22.91	0.06	
62	Mexico	0.28	58.79	0.56		134	Ecuador	-1.15	22.67	0.05	○
63	Armenia	0.28	58.78	0.56		135	Algeria	-1.15	22.61	0.04	○
64	Jordan	0.24	57.94	0.55		136	Belarus	-1.17	22.17	0.04	○
65	Albania	0.23	57.51	0.54		137	Sudan	-1.36	17.19	0.03	
66	Thailand	0.19	56.65	0.54		138	Venezuela, Bolivarian Rep.	-1.58	11.62	0.02	○
67	Brazil	0.19	56.54	0.53		139	Uzbekistan	-1.59	11.41	0.01	○
68	Kuwait	0.18	56.19	0.52		140	Iran, Islamic Rep.	-1.61	10.94	0.01	○
69	Saudi Arabia	0.15	55.47	0.51		141	Zimbabwe	-2.04	0.00	0.00	○
70	Namibia	0.14	55.30	0.51							
71	Ghana	0.09	54.03	0.50							
72	Lebanon	0.04	52.70	0.49							

SOURCE: World Bank, *World Governance Indicators 2010*

1.2.2 Rule of law

Rule of law index*^a | 2010

329

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Finland.....	1.97	100.00	1.00	●	73	Lesotho.....	-0.30	39.83	0.49	
2	Sweden.....	1.95	99.39	0.99	●	74	Rwanda.....	-0.31	39.47	0.48	
3	Norway.....	1.93	98.79	0.99	●	75	Colombia.....	-0.33	38.93	0.47	
4	Denmark.....	1.88	97.54	0.98	●	76	China.....	-0.35	38.55	0.46	
5	New Zealand.....	1.86	97.12	0.97	●	77	Bosnia and Herzegovina.....	-0.36	38.09	0.46	
6	Luxembourg.....	1.82	96.12	0.96		78	Belize.....	-0.36	38.08	0.45	
7	Netherlands.....	1.81	95.70	0.96		79	Serbia.....	-0.39	37.43	0.44	
8	Austria.....	1.80	95.36	0.95	●	80	Moldova, Rep.....	-0.40	37.16	0.44	
9	Canada.....	1.79	95.17	0.94		81	Uganda.....	-0.40	37.05	0.43	
10	Switzerland.....	1.78	94.90	0.94		82	Senegal.....	-0.41	37.01	0.42	
11	Australia.....	1.77	94.67	0.93		83	Mongolia.....	-0.43	36.46	0.41	
12	United Kingdom.....	1.77	94.66	0.92		84	Albania.....	-0.44	36.15	0.41	
13	Ireland.....	1.76	94.48	0.91		85	Mali.....	-0.46	35.53	0.40	
14	Singapore.....	1.69	92.67	0.91		86	Armenia.....	-0.47	35.27	0.39	
15	Iceland.....	1.69	92.64	0.90		87	Guyana.....	-0.48	35.14	0.39	
16	Germany.....	1.63	90.90	0.89		88	Viet Nam.....	-0.48	34.94	0.38	
17	United States of America.....	1.58	89.75	0.89		89	Zambia.....	-0.49	34.65	0.37	
18	Hong Kong (China).....	1.56	89.08	0.88		90	Swaziland.....	-0.50	34.60	0.36	
19	France.....	1.52	88.16	0.87		91	Jamaica.....	-0.50	34.57	0.36	
20	Malta.....	1.48	86.97	0.86		92	Mozambique.....	-0.50	34.48	0.35	
21	Belgium.....	1.40	84.84	0.86		93	Tanzania, United Rep.....	-0.51	34.18	0.34	
22	Japan.....	1.31	82.57	0.85		94	Gambia.....	-0.51	34.17	0.34	
23	Chile.....	1.29	81.94	0.84	●	95	Gabon.....	-0.51	34.15	0.33	
24	Spain.....	1.19	79.41	0.84		96	Syrian Arab Rep.....	-0.54	33.39	0.32	
25	Cyprus.....	1.19	79.25	0.83		97	Philippines.....	-0.54	33.39	0.31	
26	Estonia.....	1.15	78.19	0.82		98	Mexico.....	-0.56	32.89	0.31	
27	Portugal.....	1.04	75.35	0.81		99	Niger.....	-0.57	32.68	0.30	
28	Slovenia.....	1.02	74.84	0.81		100	Argentina.....	-0.58	32.48	0.29	
29	Korea, Rep.....	0.99	73.96	0.80		101	Peru.....	-0.61	31.48	0.29	
30	Czech Republic.....	0.95	73.01	0.79		102	Kazakhstan.....	-0.62	31.29	0.28	
31	Israel.....	0.88	70.98	0.79		103	Indonesia.....	-0.63	31.04	0.27	
32	Qatar.....	0.87	70.75	0.78		104	Lebanon.....	-0.66	30.18	0.26	
33	Mauritius.....	0.84	70.07	0.77		105	Benin.....	-0.73	28.35	0.26	
34	Latvia.....	0.82	69.35	0.76		106	Ethiopia.....	-0.76	27.72	0.25	
35	Brunei Darussalam.....	0.80	68.87	0.76		107	Algeria.....	-0.76	27.63	0.24	
36	Hungary.....	0.78	68.35	0.75		108	Bangladesh.....	-0.77	27.37	0.24	
37	Lithuania.....	0.76	67.90	0.74		109	Russian Federation.....	-0.78	26.97	0.23	○
38	Uruguay.....	0.72	66.74	0.74		110	Pakistan.....	-0.79	26.92	0.22	
39	Poland.....	0.69	65.95	0.73		111	Ukraine.....	-0.80	26.43	0.21	○
40	Oman.....	0.67	65.49	0.72		112	Dominican Republic.....	-0.81	26.35	0.21	
41	Botswana.....	0.66	65.33	0.71		113	Nicaragua.....	-0.83	25.80	0.20	
42	Greece.....	0.62	64.05	0.71		114	Madagascar.....	-0.84	25.41	0.19	
43	Slovakia.....	0.58	63.15	0.70		115	Honduras.....	-0.87	24.66	0.19	
44	Kuwait.....	0.54	62.17	0.69		116	El Salvador.....	-0.87	24.65	0.18	
45	Malaysia.....	0.51	61.28	0.69		117	Azerbaijan.....	-0.88	24.34	0.17	
46	Costa Rica.....	0.50	61.05	0.68		118	Lao PDR.....	-0.90	23.97	0.16	
47	Bahrain.....	0.45	59.65	0.67		119	Iran, Islamic Rep.....	-0.90	23.85	0.16	
48	United Arab Emirates.....	0.39	57.99	0.66		120	Fiji.....	-0.90	23.80	0.15	○
49	Italy.....	0.38	57.88	0.66		121	Paraguay.....	-0.92	23.35	0.14	
50	Namibia.....	0.23	53.84	0.65		122	Togo.....	-0.92	23.30	0.14	
51	Jordan.....	0.22	53.56	0.64		123	Kenya.....	-1.01	20.93	0.13	○
52	Croatia.....	0.19	52.68	0.64		124	Nepal.....	-1.02	20.68	0.12	
53	Saudi Arabia.....	0.16	52.04	0.63		125	Guatemala.....	-1.04	20.27	0.11	
54	Tunisia.....	0.11	50.73	0.62		126	Cameroon.....	-1.04	20.08	0.11	
55	Turkey.....	0.10	50.50	0.61		127	Belarus.....	-1.05	20.02	0.10	○
56	South Africa.....	0.10	50.33	0.61		128	Yemen.....	-1.05	19.87	0.09	
57	Romania.....	0.05	49.06	0.60		129	Bolivia, Plurinational St.....	-1.06	19.51	0.09	○
58	Brazil.....	0.00	47.80	0.59		130	Cambodia.....	-1.09	18.91	0.08	
59	Montenegro.....	-0.02	47.35	0.59		131	Ecuador.....	-1.17	16.83	0.07	○
60	India.....	-0.06	46.21	0.58		132	Tajikistan.....	-1.20	16.03	0.06	○
61	Ghana.....	-0.07	45.84	0.57		133	Nigeria.....	-1.21	15.78	0.06	
62	Bulgaria.....	-0.08	45.62	0.56		134	Burundi.....	-1.21	15.64	0.05	
63	Sri Lanka.....	-0.09	45.42	0.56		135	Côte d'Ivoire.....	-1.22	15.46	0.04	○
64	Egypt.....	-0.11	44.86	0.55		136	Angola.....	-1.24	14.77	0.04	
65	Panama.....	-0.13	44.30	0.54		137	Kyrgyzstan.....	-1.29	13.50	0.03	○
66	Malawi.....	-0.14	44.06	0.54		138	Sudan.....	-1.32	12.75	0.02	○
67	Morocco.....	-0.19	42.83	0.53		139	Uzbekistan.....	-1.37	11.36	0.01	○
68	Thailand.....	-0.20	42.56	0.52		140	Venezuela, Bolivarian Rep.....	-1.64	4.19	0.01	○
69	Georgia.....	-0.21	42.20	0.51		141	Zimbabwe.....	-1.80	0.00	0.00	○
70	Burkina Faso.....	-0.21	42.07	0.51							
71	Trinidad and Tobago.....	-0.22	41.80	0.50							
72	Macedonia, FYR.....	-0.29	39.93	0.49							

SOURCE: World Bank, *World Governance Indicators 2010*

1.2.3 Cost of redundancy dismissal

Sum of notice period and severance pay for redundancy dismissal (in salary weeks, averages for workers with 1, 5, and 10 years of tenure, with a minimum threshold of 8 weeks) | 2011

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Austria	8.00	100.00	0.86	●	73	Angola	15.84	84.47	0.47	●
1	Bahrain	8.00	100.00	0.86	●	74	Burundi	15.89	84.38	0.47	●
1	Belgium	8.00	100.00	0.86	●	75	Nigeria	16.20	83.76	0.46	
1	Brunei Darussalam	8.00	100.00	0.86	●	76	Chile	16.29	83.59	0.45	
1	Bulgaria	8.00	100.00	0.86	●	77	Colombia	16.67	82.84	0.43	
1	Cyprus	8.00	100.00	0.86	●	77	Guyana	16.67	82.84	0.43	
1	Denmark	8.00	100.00	0.86	●	77	Malawi	16.67	82.84	0.43	
1	Georgia	8.00	100.00	0.86	●	80	Algeria	17.33	81.52	0.41	
1	Hong Kong (China)	8.00	100.00	0.86	●	80	Kyrgyzstan	17.33	81.52	0.41	
1	Ireland	8.00	100.00	0.86	●	80	Russian Federation	17.33	81.52	0.41	
1	Italy	8.00	100.00	0.86	●	83	Spain	17.38	81.42	0.40	○
1	Japan	8.00	100.00	0.86	●	84	Costa Rica	18.70	78.81	0.39	
1	Jordan	8.00	100.00	0.86	●	85	Panama	19.00	78.22	0.39	
1	New Zealand	8.00	100.00	0.86	●	86	Cambodia	19.37	77.49	0.38	
1	Oman	8.00	100.00	0.86	●	87	Saudi Arabia	19.45	77.32	0.37	
1	Serbia	8.00	100.00	0.86	●	88	Greece	19.50	77.23	0.36	
1	Singapore	8.00	100.00	0.86	●	89	Trinidad and Tobago	20.51	75.22	0.36	
1	United Arab Emirates	8.00	100.00	0.86	●	90	Ethiopia	20.59	75.07	0.35	
1	United Kingdom	8.00	100.00	0.86	●	91	Morocco	20.69	74.87	0.34	
1	United States of America	8.00	100.00	0.86	●	92	Uruguay	20.80	74.65	0.34	
21	Belize	8.33	99.34	0.85	●	93	Albania	20.83	74.60	0.33	
21	Romania	8.33	99.34	0.85	●	94	Germany	21.56	73.16	0.32	○
23	Kazakhstan	8.67	98.68	0.80	●	95	Azerbaijan	21.67	72.94	0.28	
23	Lebanon	8.67	98.68	0.80		95	Belarus	21.67	72.94	0.28	
23	Mongolia	8.67	98.68	0.80		95	Czech Republic	21.67	72.94	0.28	○
23	Netherlands	8.67	98.68	0.80		95	Luxembourg	21.67	72.94	0.28	○
23	Norway	8.67	98.68	0.80		95	Uzbekistan	21.67	72.94	0.28	
23	Syrian Arab Rep.	8.67	98.68	0.80	●	100	Botswana	21.69	72.89	0.28	
23	Uganda	8.67	98.68	0.80	●	101	Mexico	22.00	72.28	0.27	
30	Bosnia and Herzegovina	9.22	97.58	0.79	●	102	Moldova, Rep.	22.60	71.09	0.26	
31	South Africa	9.33	97.36	0.77		103	El Salvador	22.86	70.58	0.26	
31	Tanzania, United Rep.	9.33	97.36	0.77	●	104	Iran, Islamic Rep.	23.11	70.08	0.23	
33	Fiji	9.67	96.70	0.75	●	104	Slovakia	23.11	70.08	0.23	○
33	Latvia	9.67	96.70	0.75		104	Viet Nam	23.11	70.08	0.23	
33	Namibia	9.67	96.70	0.75		107	Qatar	23.22	69.86	0.23	
36	Canada	10.00	96.04	0.74		108	Malaysia	23.89	68.54	0.22	○
37	Finland	10.11	95.82	0.72		109	Lithuania	24.56	67.22	0.21	○
37	Iceland	10.11	95.82	0.72		110	Gambia	26.00	64.36	0.20	
37	Poland	10.11	95.82	0.72		110	Sudan	26.00	64.36	0.20	
37	Switzerland	10.11	95.82	0.72		112	Paraguay	26.07	64.21	0.19	
41	Niger	10.12	95.80	0.71	●	113	Dominican Republic	26.18	64.00	0.18	
42	Burkina Faso	10.47	95.10	0.70	●	114	Guatemala	26.96	62.45	0.18	
43	Mauritius	10.62	94.81	0.69		115	Nepal	27.19	62.00	0.16	
44	Armenia	11.00	94.06	0.69		115	Pakistan	27.19	62.00	0.16	
45	Slovenia	11.42	93.23	0.68		117	China	27.40	61.59	0.14	
46	Peru	11.43	93.21	0.67		117	Korea, Rep.	27.40	61.59	0.14	○
47	Benin	11.63	92.82	0.66	●	117	Yemen	27.40	61.59	0.14	
47	Togo	11.63	92.82	0.66	●	120	Israel	27.44	61.50	0.12	○
49	Australia	11.67	92.74	0.65		120	Philippines	27.44	61.50	0.12	
50	France	11.84	92.39	0.64		122	Kuwait	28.12	60.16	0.12	○
51	Tunisia	12.10	91.89	0.64		123	Montenegro	28.14	60.11	0.11	○
52	Madagascar	12.25	91.58	0.63	●	124	Turkey	29.78	56.88	0.10	○
53	Estonia	12.90	90.29	0.62		125	Argentina	30.33	55.78	0.09	○
54	Rwanda	12.95	90.19	0.61	●	125	Honduras	30.33	55.78	0.09	○
55	Macedonia, FYR	13.00	90.10	0.60		127	Bangladesh	31.00	54.46	0.08	
55	Ukraine	13.00	90.10	0.60		128	Portugal	33.86	48.80	0.07	○
57	Côte d'Ivoire	13.07	89.96	0.59	●	129	Thailand	36.00	44.55	0.07	○
58	Brazil	13.16	89.78	0.58		130	Ecuador	36.11	44.33	0.06	○
59	Hungary	13.41	89.28	0.58		131	Egypt	36.83	42.90	0.05	○
60	Mali	13.65	88.81	0.57	●	132	Mozambique	41.12	34.42	0.04	○
61	Senegal	13.69	88.72	0.56		133	Lao PDR	47.16	22.45	0.04	○
62	Jamaica	14.00	88.12	0.55		134	Ghana	49.78	17.27	0.03	○
63	Cameroon	14.20	87.72	0.55	●	135	Zambia	50.56	15.73	0.02	○
64	Sweden	14.44	87.24	0.54	○	136	Indonesia	57.78	1.43	0.01	○
65	Swaziland	14.57	86.99	0.53		137	Sri Lanka	58.50	0.00	0.00	○
66	Gabon	14.78	86.58	0.53		137	Zimbabwe	82.33	0.00	0.00	○
67	Nicaragua	14.93	86.29	0.52		n/a	Bolivia, Plurinational St.	n/a	n/a	n/a	
68	Lesotho	15.00	86.14	0.51		n/a	Malta	n/a	n/a	n/a	
69	Croatia	15.11	85.92	0.50		n/a	Venezuela, Bolivarian Rep.	n/a	n/a	n/a	
70	Tajikistan	15.53	85.09	0.50							
71	India	15.76	84.63	0.48							
71	Kenya	15.76	84.63	0.48							

SOURCE: World Bank, *Doing Business 2012, Employing Workers*

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	New Zealand	1.00	100.00	1.00	●	73	Ethiopia	0.51	48.20	0.48	
2	Australia	0.99	99.20	0.99	●	74	Botswana	0.50	47.40	0.47	
3	Canada	0.99	98.50	0.99	●	75	Guyana	0.49	46.70	0.47	
4	Singapore	0.98	97.80	0.98		76	Nepal	0.48	46.00	0.46	
5	Macedonia, FYR	0.98	97.10	0.97	●	77	Moldova, Rep.	0.48	45.30	0.45	
6	Hong Kong (China)	0.97	96.40	0.96		78	Thailand	0.47	44.60	0.45	
7	Belarus	0.97	95.60	0.96	●	79	Jordan	0.47	43.80	0.44	
8	Georgia	0.96	94.90	0.95	●	80	Japan	0.46	43.10	0.43	
9	Ireland	0.96	93.50	0.94		81	Viet Nam	0.46	42.40	0.42	
9	Rwanda	0.96	93.50	0.94	●	82	Paraguay	0.45	41.70	0.42	
11	United States of America	0.95	92.80	0.93		83	Burundi	0.45	41.00	0.41	●
12	Mauritius	0.94	92.00	0.92	●	84	Senegal	0.44	40.20	0.40	
13	Kyrgyzstan	0.93	91.30	0.91	●	85	Lebanon	0.43	39.50	0.40	
14	Saudi Arabia	0.93	90.60	0.91	●	86	Fiji	0.43	38.80	0.39	
15	Azerbaijan	0.92	89.90	0.90	●	87	Russian Federation	0.42	38.10	0.38	
16	United Kingdom	0.91	89.20	0.89		88	Uzbekistan	0.42	37.40	0.37	
17	Egypt	0.91	88.40	0.88	●	89	Nigeria	0.41	36.60	0.37	
18	Jamaica	0.90	87.70	0.88	●	90	Malaysia	0.40	35.90	0.36	○
19	Armenia	0.90	87.00	0.87	●	91	Gambia	0.38	35.20	0.35	
20	France	0.88	86.30	0.86		92	Poland	0.37	34.50	0.35	
21	Panama	0.88	85.60	0.86	●	93	Costa Rica	0.37	33.80	0.34	
22	Cyprus	0.86	84.80	0.85		94	Mali	0.36	33.00	0.33	
23	Denmark	0.86	84.10	0.84		95	Burkina Faso	0.36	31.60	0.32	
24	Slovenia	0.85	83.40	0.83		95	Ukraine	0.36	31.60	0.32	
25	Iceland	0.85	82.70	0.83		97	Nicaragua	0.34	30.90	0.31	
26	Romania	0.84	82.00	0.82		98	Tanzania, United Rep.	0.34	30.20	0.30	
27	Belgium	0.83	81.20	0.81		99	Sudan	0.33	29.40	0.29	
28	Finland	0.82	79.80	0.80		100	Qatar	0.32	28.70	0.29	
28	Norway	0.82	79.80	0.80		101	Brazil	0.32	28.00	0.28	
30	Sri Lanka	0.81	79.10	0.79	●	102	Namibia	0.31	27.30	0.27	
31	Israel	0.81	78.40	0.78		103	Austria	0.31	26.60	0.27	○
32	Hungary	0.80	77.60	0.78		104	Kenya	0.30	25.80	0.26	
33	Estonia	0.80	76.90	0.77		105	El Salvador	0.30	25.10	0.25	
34	Sweden	0.79	76.20	0.76		106	Czech Republic	0.29	24.40	0.24	○
35	Bulgaria	0.77	74.80	0.75		107	Cameroon	0.29	23.70	0.24	
35	Iran, Islamic Rep.	0.77	74.80	0.75	●	108	Malawi	0.28	23.00	0.23	
37	United Arab Emirates	0.76	74.10	0.74		109	Syrian Arab Rep.	0.27	22.30	0.22	
38	Montenegro	0.75	72.60	0.73		110	Brunei Darussalam	0.27	21.50	0.22	
38	Tunisia	0.75	72.60	0.73		111	Uganda	0.26	20.80	0.21	
40	Kazakhstan	0.74	71.90	0.72		112	Tajikistan	0.25	20.10	0.20	
41	Latvia	0.72	71.20	0.71		113	Dominican Republic	0.25	19.40	0.19	
42	Peru	0.71	70.50	0.71		114	Uruguay	0.24	18.70	0.19	
43	Yemen	0.70	69.70	0.70	●	115	Lesotho	0.24	17.90	0.18	
44	Albania	0.70	69.00	0.69		116	Kuwait	0.23	17.20	0.17	
45	Croatia	0.69	68.30	0.68		117	Zimbabwe	0.23	16.50	0.17	
46	Zambia	0.69	67.60	0.68	●	118	Argentina	0.22	15.80	0.16	○
47	Korea, Rep.	0.68	66.10	0.66		119	Venezuela, Bolivarian Rep.	0.21	15.10	0.15	
47	Portugal	0.68	66.10	0.66		120	Honduras	0.20	14.30	0.14	
49	Chile	0.66	65.40	0.65		121	Belize	0.20	13.60	0.14	
50	Turkey	0.66	64.70	0.65		122	Spain	0.19	12.90	0.13	○
51	Mozambique	0.65	64.00	0.64	●	123	Greece	0.19	12.20	0.12	○
52	Mexico	0.64	63.30	0.63		124	Algeria	0.18	10.70	0.11	
53	Italy	0.64	62.50	0.63		124	China	0.18	10.70	0.11	○
54	Netherlands	0.63	61.80	0.62		126	Gabon	0.16	10.00	0.10	○
55	Trinidad and Tobago	0.63	61.10	0.61		127	Philippines	0.15	9.30	0.09	○
56	Madagascar	0.62	60.40	0.60	●	128	Indonesia	0.15	8.60	0.09	○
57	Colombia	0.60	59.70	0.60		129	Swaziland	0.14	7.90	0.08	
58	Slovakia	0.60	58.20	0.58		130	Benin	0.14	7.10	0.07	
58	South Africa	0.60	58.20	0.58		131	Niger	0.13	6.40	0.06	
60	Oman	0.59	57.50	0.58		132	Ecuador	0.13	5.70	0.06	○
61	Switzerland	0.58	56.80	0.57	○	133	Bosnia and Herzegovina	0.12	5.00	0.05	○
62	Bahrain	0.58	55.30	0.55		134	Guatemala	0.11	4.30	0.04	○
62	Luxembourg	0.58	55.30	0.55		135	Angola	0.10	3.50	0.04	
64	Bangladesh	0.57	54.60	0.55		136	India	0.09	2.80	0.03	○
65	Serbia	0.56	53.90	0.54		137	Bolivia, Plurinational St.	0.09	2.10	0.02	○
66	Morocco	0.55	53.20	0.53		138	Togo	0.08	1.40	0.01	○
67	Ghana	0.54	52.50	0.53		139	Cambodia	0.07	0.70	0.01	○
68	Pakistan	0.53	51.70	0.52	●	140	Côte d'Ivoire	0.07	0.00	0.00	○
69	Mongolia	0.53	51.00	0.51		n/a	Malta	n/a	n/a	n/a	
70	Lao PDR	0.52	50.30	0.50	●						
71	Germany	0.52	48.90	0.49	○						
71	Lithuania	0.52	48.90	0.49							

SOURCE: World Bank, Ease of Doing Business Index 2012, *Doing Business* 2012

1.3.2 Ease of resolving insolvency

Ease of resolving insolvency, percent rank index*[†] | 2011

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Japan	1.00	100.00	1.00	●	73	Argentina	0.55	48.20	0.48	
2	Singapore	0.99	99.20	0.99		74	Panama	0.55	47.40	0.47	
3	Canada	0.99	98.50	0.99	●	75	Sudan	0.54	46.70	0.47	●
4	Norway	0.98	97.80	0.98		76	Senegal	0.54	46.00	0.46	
5	Denmark	0.98	97.10	0.97	●	77	Latvia	0.53	45.30	0.45	
6	Finland	0.97	96.40	0.96		78	Ethiopia	0.53	44.60	0.45	
7	United Kingdom	0.97	95.60	0.96		79	Bulgaria	0.52	43.80	0.44	
8	Belgium	0.96	94.90	0.95	●	80	Togo	0.52	43.10	0.43	
9	Ireland	0.96	94.20	0.94		81	Kenya	0.51	42.40	0.42	
10	Netherlands	0.95	93.50	0.94		82	Serbia	0.51	41.70	0.42	
11	Australia	0.94	92.80	0.93		83	El Salvador	0.50	41.00	0.41	
12	Korea, Rep.	0.93	92.00	0.92		84	Azerbaijan	0.49	40.20	0.40	
13	United States of America	0.93	91.30	0.91		85	Croatia	0.49	39.50	0.40	
14	Hong Kong (China)	0.92	90.60	0.91		86	Yemen	0.48	38.80	0.39	
15	New Zealand	0.92	89.90	0.90		87	Chile	0.48	38.10	0.38	
16	Iceland	0.91	89.20	0.89		88	Moldova, Rep.	0.47	37.40	0.37	
17	Sweden	0.91	88.40	0.88		89	Belarus	0.47	36.60	0.37	
18	Austria	0.90	87.70	0.88		90	Guatemala	0.46	35.90	0.36	
19	Portugal	0.90	87.00	0.87	●	91	Syrian Arab Rep.	0.46	35.20	0.35	
20	Spain	0.89	86.30	0.86		92	Peru	0.45	34.50	0.35	
21	Cyprus	0.88	85.60	0.86		93	Zambia	0.44	33.80	0.34	
22	Mexico	0.88	84.80	0.85	●	94	Jordan	0.43	33.00	0.33	
23	Jamaica	0.87	84.10	0.84	●	95	Nigeria	0.43	32.30	0.32	
24	Bahrain	0.86	83.40	0.83		96	Burkina Faso	0.42	31.60	0.32	
25	Botswana	0.86	82.70	0.83	●	97	Bangladesh	0.41	30.90	0.31	
26	Belize	0.85	82.00	0.82	●	98	Romania	0.41	30.20	0.30	
27	Colombia	0.85	81.20	0.81		99	Georgia	0.40	29.40	0.29	
28	Italy	0.84	80.50	0.81		100	Mali	0.39	28.70	0.29	
29	Czech Republic	0.83	79.80	0.80		101	Nepal	0.38	28.00	0.28	
30	Slovakia	0.82	79.10	0.79		102	Ghana	0.37	27.30	0.27	
31	Germany	0.81	78.40	0.78		103	Iran, Islamic Rep.	0.36	26.60	0.27	
32	Qatar	0.81	77.60	0.78		104	Uzbekistan	0.35	25.80	0.26	
33	Tunisia	0.80	76.90	0.77	●	105	Tanzania, United Rep.	0.35	25.10	0.25	
34	Slovenia	0.80	76.20	0.76		106	Costa Rica	0.34	24.40	0.24	
35	Lithuania	0.79	75.50	0.76		107	Turkey	0.34	23.70	0.24	
36	Israel	0.79	74.80	0.75		108	Fiji	0.33	23.00	0.23	
37	Switzerland	0.77	74.10	0.74		109	Benin	0.32	22.30	0.22	
38	Brunei Darussalam	0.77	73.30	0.73		110	Mongolia	0.32	21.50	0.22	
39	Sri Lanka	0.76	72.60	0.73	●	111	Honduras	0.31	20.80	0.21	
40	France	0.76	71.90	0.72		112	Gambia	0.31	20.10	0.20	
41	Luxembourg	0.75	71.20	0.71		113	Lebanon	0.30	19.40	0.19	
42	Thailand	0.75	70.50	0.71		114	Viet Nam	0.29	18.70	0.19	○
43	Montenegro	0.74	69.70	0.70		115	Malawi	0.29	17.90	0.18	
44	Kazakhstan	0.74	69.00	0.69		116	Mozambique	0.27	17.20	0.17	
45	Greece	0.73	68.30	0.68		117	Guyana	0.26	16.50	0.17	
46	Algeria	0.72	67.60	0.68	●	118	Egypt	0.26	15.80	0.16	○
47	Namibia	0.71	66.90	0.67		119	Brazil	0.25	15.10	0.15	○
48	Macedonia, FYR	0.70	66.10	0.66		120	Ecuador	0.25	14.30	0.14	
49	Armenia	0.70	65.40	0.65		121	Trinidad and Tobago	0.24	13.60	0.14	
50	Malaysia	0.69	64.70	0.65		122	India	0.24	12.90	0.13	
51	Uganda	0.69	64.00	0.64	●	123	Paraguay	0.23	12.20	0.12	
52	Uruguay	0.68	63.30	0.63		124	Niger	0.23	11.50	0.12	
53	Russian Federation	0.68	62.50	0.63		125	Kyrgyzstan	0.21	10.70	0.11	
54	Bolivia, Plurinational St.	0.67	61.80	0.62	●	126	Gabon	0.21	10.00	0.10	○
55	Albania	0.66	61.10	0.61		127	Madagascar	0.20	9.30	0.09	
56	Morocco	0.66	60.40	0.60		128	Cameroon	0.19	8.60	0.09	
57	Kuwait	0.65	59.70	0.60		129	Indonesia	0.19	7.90	0.08	○
58	Hungary	0.64	58.90	0.59		130	Cambodia	0.18	7.10	0.07	
59	Swaziland	0.64	58.20	0.58		131	United Arab Emirates	0.18	6.40	0.06	○
60	Tajikistan	0.63	57.50	0.58	●	132	Dominican Republic	0.16	5.70	0.06	○
61	Saudi Arabia	0.63	56.80	0.57		133	Angola	0.15	5.00	0.05	
62	Pakistan	0.62	56.10	0.56	●	134	Ukraine	0.14	4.30	0.04	○
63	China	0.61	55.30	0.55		135	Venezuela, Bolivarian Rep.	0.13	3.50	0.04	
64	Lesotho	0.60	54.60	0.55		136	Philippines	0.12	2.80	0.03	○
65	Poland	0.60	53.90	0.54		137	Rwanda	0.11	2.10	0.02	○
66	Estonia	0.59	53.20	0.53		138	Zimbabwe	0.09	1.40	0.01	○
67	Mauritius	0.59	52.50	0.53		139	Burundi	0.09	0.00	0.00	○
68	Oman	0.58	51.70	0.52		139	Lao PDR	0.09	0.00	0.00	○
69	Bosnia and Herzegovina	0.58	51.00	0.51		n/a	Malta	n/a	n/a	n/a	
70	South Africa	0.57	50.30	0.50							
71	Nicaragua	0.57	49.60	0.50							
72	Côte d'Ivoire	0.56	48.90	0.49	●						

SOURCE: World Bank, Ease of Doing Business Index 2012, *Doing Business* 2012

1.3.3 Ease of paying taxes

Ease of paying taxes, percent rank index^{*r} | 2011

333

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Qatar.....	.099	100.00	1.00	●	73	Sudan.....	.046	48.20	0.48	●
2	Hong Kong (China).....	.099	99.20	0.99		74	Namibia.....	.046	47.40	0.47	
3	Singapore.....	.098	98.50	0.99		75	Mozambique.....	.043	46.70	0.47	
4	Ireland.....	.098	97.80	0.98	●	76	Azerbaijan.....	.043	46.00	0.46	
5	United Arab Emirates.....	.097	97.10	0.97	●	77	Syrian Arab Rep.....	.042	45.30	0.45	
6	Canada.....	.096	96.40	0.96	●	78	Russian Federation.....	.042	44.60	0.45	
7	Oman.....	.096	95.60	0.96	●	79	Bosnia and Herzegovina.....	.041	43.80	0.44	
8	Saudi Arabia.....	.095	94.90	0.95	●	80	Nigeria.....	.041	43.10	0.43	
9	Mauritius.....	.095	94.20	0.94	●	81	Mexico.....	.040	42.40	0.42	
10	Denmark.....	.094	93.50	0.94		82	Hungary.....	.038	41.70	0.42	
11	Switzerland.....	.093	92.80	0.93		83	Paraguay.....	.038	41.00	0.41	
12	Kuwait.....	.093	92.00	0.92	●	84	Japan.....	.037	40.20	0.40	
13	Luxembourg.....	.092	91.30	0.91		85	Pakistan.....	.037	39.50	0.40	
14	Bahrain.....	.092	90.60	0.91		86	Iran, Islamic Rep.....	.036	38.80	0.39	
15	Brunei Darussalam.....	.091	89.90	0.90	●	87	China.....	.035	38.10	0.38	
16	South Africa.....	.091	89.20	0.89	●	88	Colombia.....	.035	36.60	0.37	
17	Jordan.....	.090	88.40	0.88	●	88	Guatemala.....	.035	36.60	0.37	
18	Botswana.....	.090	87.70	0.88	●	90	Lao PDR.....	.034	35.90	0.36	
19	United Kingdom.....	.089	87.00	0.87		91	Guyana.....	.033	34.50	0.35	
20	Malawi.....	.088	86.30	0.86	●	91	Tanzania, United Rep.....	.033	34.50	0.35	
21	Norway.....	.088	85.60	0.86		93	Montenegro.....	.032	33.80	0.34	
22	Macedonia, FYR.....	.087	84.80	0.85	●	94	Slovakia.....	.031	33.00	0.33	
23	Kazakhstan.....	.086	84.10	0.84	●	95	Philippines.....	.031	32.30	0.32	
24	Lebanon.....	.085	83.40	0.83		96	Poland.....	.030	31.60	0.32	○
25	Croatia.....	.084	82.70	0.83	●	97	Czech Republic.....	.030	30.20	0.30	○
26	Rwanda.....	.082	82.00	0.82	●	97	Viet Nam.....	.030	30.20	0.30	
27	Cyprus.....	.082	81.20	0.81		99	Italy.....	.029	29.40	0.29	○
28	Ethiopia.....	.081	79.80	0.80	●	100	Zimbabwe.....	.028	28.70	0.29	
28	Iceland.....	.081	79.80	0.80		101	Indonesia.....	.027	28.00	0.28	
30	New Zealand.....	.080	79.10	0.79		102	Honduras.....	.026	27.30	0.27	
31	Malaysia.....	.079	78.40	0.78	●	103	Gabon.....	.025	26.60	0.27	
32	Korea, Rep.....	.079	77.60	0.78		104	Egypt.....	.024	25.80	0.26	
33	Netherlands.....	.078	76.90	0.77		105	Serbia.....	.024	25.10	0.25	○
34	Chile.....	.077	75.50	0.76		106	El Salvador.....	.023	24.40	0.24	
34	Estonia.....	.077	75.50	0.76		107	Burundi.....	.023	23.70	0.24	
36	Zambia.....	.076	74.80	0.75	●	108	Argentina.....	.022	22.30	0.22	
37	Sweden.....	.075	74.10	0.74		108	Niger.....	.022	22.30	0.22	
38	Australia.....	.074	73.30	0.73		110	Angola.....	.021	21.50	0.22	
39	Cambodia.....	.073	72.60	0.73	●	111	Burkina Faso.....	.020	20.80	0.21	
40	Ghana.....	.072	71.90	0.72	●	112	Yemen.....	.020	20.10	0.20	
41	Mongolia.....	.071	71.20	0.71		113	Brazil.....	.019	18.70	0.19	○
42	Swaziland.....	.071	70.50	0.71		113	Morocco.....	.019	18.70	0.19	○
43	France.....	.070	69.70	0.70		115	Albania.....	.018	17.90	0.18	
44	Israel.....	.069	69.00	0.69		116	Romania.....	.018	17.20	0.17	○
45	Finland.....	.068	68.30	0.68		117	Uzbekistan.....	.017	16.50	0.17	
46	Lesotho.....	.068	67.60	0.68	●	118	Côte d'Ivoire.....	.016	15.80	0.16	
47	Tunisia.....	.067	66.90	0.67		119	Uruguay.....	.016	15.10	0.15	
48	Georgia.....	.066	66.10	0.66		120	Kyrgyzstan.....	.015	14.30	0.14	
49	Latvia.....	.065	65.40	0.65		121	Costa Rica.....	.015	13.60	0.14	
50	Lithuania.....	.064	64.70	0.65		122	Togo.....	.014	12.90	0.13	
51	Uganda.....	.063	64.00	0.64	●	123	Nicaragua.....	.014	12.20	0.12	
52	United States of America.....	.062	63.30	0.63		124	Armenia.....	.013	11.50	0.12	
53	Bulgaria.....	.061	62.50	0.63		125	Mali.....	.013	10.70	0.11	
54	Belize.....	.060	61.80	0.62		126	Algeria.....	.012	10.00	0.10	
55	Madagascar.....	.060	61.10	0.61	●	127	Kenya.....	.011	9.30	0.09	○
56	Belgium.....	.059	60.40	0.60		128	India.....	.010	8.60	0.09	○
57	Spain.....	.059	59.70	0.60		129	Benin.....	.009	7.90	0.08	
58	Portugal.....	.058	58.90	0.59		130	Tajikistan.....	.008	7.10	0.07	
59	Fiji.....	.058	58.20	0.58		131	Cameroon.....	.008	6.40	0.06	○
60	Moldova, Rep.....	.057	57.50	0.58		132	Panama.....	.007	5.70	0.06	○
61	Greece.....	.057	56.80	0.57		133	Sri Lanka.....	.007	5.00	0.05	○
62	Austria.....	.056	56.10	0.56		134	Senegal.....	.006	4.30	0.04	○
63	Dominican Republic.....	.055	55.30	0.55		135	Jamaica.....	.004	3.50	0.04	○
64	Turkey.....	.055	54.60	0.55		136	Gambia.....	.004	2.80	0.03	○
65	Germany.....	.054	53.90	0.54		137	Bolivia, Plurinational St.....	.003	2.10	0.02	○
66	Slovenia.....	.053	53.20	0.53		138	Venezuela, Bolivarian Rep.....	.003	1.40	0.01	○
67	Ecuador.....	.052	52.50	0.53		139	Ukraine.....	.001	0.70	0.01	○
68	Nepal.....	.051	51.70	0.52		140	Belarus.....	.000	0.00	0.00	○
69	Peru.....	.049	51.00	0.51		n/a	Malta.....	n/a	n/a	n/a	
70	Thailand.....	.049	50.30	0.50							
71	Bangladesh.....	.048	49.60	0.50							
72	Trinidad and Tobago.....	.047	48.90	0.49							

SOURCE: World Bank, Ease of Doing Business Index 2012, *Doing Business* 2012

2.1.1

Expenditure on education

Current expenditure on education (% of GNI) | 2009

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Lesotho	9.43	100.00	1.00	●	73	Thailand	4.06	37.41	0.47	
2	Uzbekistan	9.37	99.37	0.99	●	74	Mozambique	4.02	37.00	0.47	
3	Burundi (2010)	8.72	91.75	0.99	●	75	Czech Republic	4.02	36.95	0.46	
4	Namibia (2010)	7.97	82.97	0.98	●	76	Trinidad and Tobago	4.01	36.79	0.45	
5	Moldova, Rep. (2010)	7.74	80.29	0.97	●	77	Spain	3.98	36.44	0.45	
6	Botswana	7.61	78.82	0.96	●	78	Cyprus	3.96	36.23	0.44	
7	Denmark	7.44	76.83	0.96		79	Korea, Rep.	3.94	36.06	0.43	
8	Iceland	7.26	74.77	0.95		80	Croatia	3.94	36.05	0.42	
9	Saudi Arabia	7.19	73.86	0.94	●	81	Colombia	3.91	35.64	0.42	
10	Swaziland	7.18	73.75	0.93	●	82	Mali (2010)	3.89	35.43	0.41	
11	New Zealand (2010)	7.16	73.58	0.93		83	Bulgaria	3.83	34.71	0.40	
12	Belize	6.92	70.78	0.92	●	84	Slovakia	3.62	32.24	0.39	
13	Tunisia	6.66	67.77	0.91	●	85	Paraguay	3.59	32.00	0.39	
14	Costa Rica	6.24	62.82	0.91	●	86	Venezuela, Bolivarian Rep.	3.55	31.50	0.38	
15	Norway	6.16	61.85	0.90		87	Honduras	3.55	31.43	0.37	
16	Malta	6.15	61.83	0.89		88	Russian Federation	3.54	31.41	0.36	
17	Sweden	6.08	60.97	0.88		89	Panama	3.53	31.28	0.36	
18	Argentina	6.01	60.15	0.88	●	90	Luxembourg	3.53	31.21	0.35	○
19	Fiji	6.01	60.11	0.87	●	91	Niger (2010)	3.52	31.07	0.34	
20	Kyrgyzstan	5.96	59.53	0.86	●	92	Guyana (2010)	3.43	30.05	0.34	
21	Kenya (2010)	5.92	59.05	0.85	●	93	Azerbaijan	3.42	29.99	0.33	
22	Ukraine	5.86	58.43	0.85	●	94	Romania	3.36	29.23	0.32	
23	Belgium	5.77	57.40	0.84		95	Greece	3.26	28.05	0.31	
24	Jamaica	5.77	57.33	0.83	●	96	Tajikistan	3.21	27.47	0.31	
25	Israel	5.65	55.97	0.82		97	Kuwait	3.19	27.23	0.30	
26	Jordan	5.61	55.49	0.82	●	98	Japan	3.19	27.22	0.29	○
27	Latvia	5.57	55.06	0.81		99	Cameroon (2010)	3.11	26.29	0.28	
28	Finland	5.54	54.66	0.80		100	Gambia (2010)	3.10	26.22	0.28	
29	South Africa	5.43	53.44	0.80		101	Mauritius	3.08	26.04	0.27	
30	Portugal	5.32	52.05	0.79		102	India	3.07	25.89	0.26	
31	Hungary	5.27	51.51	0.78		103	Hong Kong (China) (2010)	3.06	25.81	0.26	○
32	Malawi (2011)	5.27	51.50	0.77	●	104	Gabon	3.06	25.80	0.25	
33	Austria	5.24	51.19	0.77		105	El Salvador (2010)	3.03	25.44	0.24	
34	Ireland	5.23	51.05	0.76		106	Bahrain	3.03	25.39	0.23	○
35	Senegal (2010)	5.22	50.94	0.75	●	107	Singapore (2010)	3.02	25.26	0.23	○
36	Morocco	5.20	50.72	0.74	●	108	Nicaragua	2.96	24.65	0.22	
37	Mongolia (2010)	5.09	49.47	0.74		109	Uganda	2.96	24.65	0.21	
38	United Kingdom	5.09	49.45	0.73		110	Ethiopia (2010)	2.88	23.69	0.20	
39	France	5.04	48.79	0.72		111	Guatemala	2.88	23.62	0.20	
40	Serbia	5.00	48.33	0.72		112	Albania	2.84	23.23	0.19	
41	Slovenia	4.95	47.79	0.71		113	Viet Nam	2.81	22.89	0.18	○
42	Macedonia, FYR	4.90	47.24	0.70		114	Georgia	2.79	22.65	0.18	
43	Brazil	4.82	46.31	0.69		115	Madagascar	2.66	21.08	0.17	
44	Poland	4.81	46.14	0.69		116	Turkey	2.64	20.91	0.16	
45	Switzerland	4.79	45.98	0.68		117	Syrian Arab Rep.	2.60	20.35	0.15	
46	United States of America	4.79	45.92	0.67		118	Zimbabwe (2010)	2.54	19.71	0.15	
47	Mexico	4.75	45.48	0.66		119	Philippines	2.45	18.69	0.14	
48	Netherlands	4.74	45.30	0.66		120	Tanzania, United Rep.	2.39	17.99	0.13	
49	Canada	4.67	44.53	0.65		121	Uruguay	2.30	16.95	0.12	○
50	Bolivia, Plurinational St.	4.66	44.45	0.64	●	122	Angola	2.27	16.53	0.12	
51	Ghana (2010)	4.66	44.38	0.64	●	123	Armenia	2.22	15.97	0.11	○
52	Chile	4.56	43.25	0.63		124	Peru	2.15	15.11	0.10	○
53	Australia	4.54	42.97	0.62		125	Brunei Darussalam (2010)	2.03	13.70	0.09	○
54	Algeria	4.47	42.17	0.61	●	126	Dominican Republic	1.88	11.97	0.09	○
55	Togo (2010)	4.44	41.85	0.61	●	127	Bangladesh	1.81	11.20	0.08	
56	Estonia	4.42	41.59	0.60		128	China	1.81	11.15	0.07	○
57	Kazakhstan	4.41	41.54	0.59		129	Qatar (2008)	1.79	10.97	0.07	○
58	Egypt	4.41	41.51	0.58	●	130	Sri Lanka	1.74	10.42	0.06	○
59	Lithuania	4.40	41.42	0.58		131	Cambodia	1.63	9.11	0.05	
60	Belarus	4.40	41.35	0.57		132	Lebanon	1.59	8.60	0.04	○
61	Germany	4.33	40.55	0.56		133	Pakistan (2010)	1.56	8.33	0.04	○
62	Indonesia (2010)	4.33	40.54	0.55		134	Ecuador	1.38	6.13	0.03	○
63	Côte d'Ivoire	4.32	40.50	0.55	●	135	Zambia	1.33	5.55	0.02	○
64	Burkina Faso	4.28	40.03	0.54	●	136	Lao PDR	1.09	2.77	0.01	○
65	Benin	4.27	39.82	0.53	●	137	Sudan	0.87	0.22	0.01	○
66	Oman	4.22	39.31	0.53		138	Nigeria	0.85	0.00	0.00	○
67	Nepal	4.20	39.08	0.52	●	n/a	Bosnia and Herzegovina	n/a	n/a	n/a	
68	Rwanda (2011)	4.17	38.73	0.51		n/a	Montenegro	n/a	n/a	n/a	
69	Yemen	4.16	38.53	0.50		n/a	United Arab Emirates	n/a	n/a	n/a	
70	Malaysia	4.15	38.41	0.50							
71	Italy	4.14	38.33	0.49							
72	Iran, Islamic Rep. (2010)	4.11	38.01	0.48							

SOURCE: UNESCO Institute for Statistics, *UIS online database*; United Nations database *UnData*; World Bank *World Development Indicators* database (2008–11)

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Lesotho (2006)	50.69	100.00	1.00	●	73	Syrian Arab Rep. (2007)	18.62	28.05	0.38	
2	Moldova, Rep. (2010)	46.84	91.37	0.99	●	74	Indonesia (2010)	18.49	27.75	0.37	
3	Yemen (2001)	42.85	82.42	0.98	●	75	Bolivia, Plurinational St. (2003)	17.89	26.41	0.36	
4	Cyprus	34.92	64.62	0.97	●	76	Rwanda (2010)	17.85	26.33	0.35	
5	Burkina Faso (2007)	34.47	63.60	0.97	●	77	Egypt (2004)	17.67	25.93	0.34	
6	Burundi (2010)	34.11	62.80	0.96	●	78	Chile (2009)	17.35	25.21	0.34	○
7	Denmark	30.86	55.51	0.95		79	Benin (2005)	17.03	24.49	0.33	
8	Swaziland (2006)	29.55	52.58	0.94	●	80	Colombia (2010)	16.94	24.28	0.32	
9	Sweden	28.98	51.30	0.93		81	Macedonia, FYR (2002)	16.93	24.25	0.31	
10	Malta	28.83	50.96	0.92		82	Mongolia (2009)	16.71	23.78	0.30	
11	Serbia (2009)	28.82	50.93	0.91	●	83	Slovakia	16.39	23.05	0.29	
12	Belgium	28.76	50.81	0.91		84	Armenia (2010)	16.34	22.93	0.28	
13	Niger (2010)	28.22	49.60	0.90	●	85	Mexico	16.13	22.47	0.28	
14	Botswana (2007)	27.91	48.90	0.89	●	86	Oman (2009)	15.99	22.14	0.27	
15	Switzerland	27.42	47.80	0.88		87	Qatar	15.90	21.96	0.26	
16	Latvia (2009)	27.00	46.86	0.87	●	88	Georgia	15.40	20.82	0.25	
17	Austria	26.93	46.70	0.86		89	Azerbaijan (2009)	15.09	20.13	0.24	
18	Senegal (2010)	26.34	45.37	0.85	●	90	Togo (2007)	14.08	17.86	0.23	
19	Côte d'Ivoire (2002)	26.29	45.26	0.84	●	91	Tajikistan (2010)	14.01	17.71	0.22	
20	Ukraine (2007)	26.04	44.71	0.84	●	92	Paraguay (2007)	13.92	17.51	0.22	
21	Finland	26.03	44.68	0.83		93	Panama	13.76	17.14	0.21	
22	Iceland	25.46	43.39	0.82		94	Guyana (2010)	13.10	15.67	0.20	
23	Bulgaria	25.38	43.22	0.81		95	Nepal (2003)	13.00	15.45	0.19	
24	Slovenia	25.21	42.84	0.80		96	Cameroon (2010)	12.80	15.00	0.18	
25	Norway	25.12	42.63	0.79		97	Mauritius	12.60	14.55	0.17	○
26	United Kingdom	24.82	41.97	0.78		98	India (2006)	12.34	13.97	0.16	
27	Portugal	24.81	41.93	0.78		99	Turkey (2006)	12.18	13.60	0.16	○
28	Estonia	24.75	41.81	0.77		100	Pakistan (2005)	11.67	12.46	0.15	
29	Italy	24.70	41.70	0.76		101	Kazakhstan (2009)	11.59	12.27	0.14	
30	France	24.37	40.94	0.75		102	Madagascar (2009)	11.50	12.08	0.13	
31	Hungary	24.25	40.67	0.74		103	Bangladesh (2009)	10.75	10.39	0.12	
32	Morocco (2006)	24.15	40.45	0.73	●	104	Gambia (2003)	10.63	10.13	0.11	
33	New Zealand (2010)	24.15	40.45	0.72		105	El Salvador (2010)	10.60	10.06	0.10	
34	Netherlands	23.99	40.10	0.72		106	Uganda (2009)	10.30	9.38	0.09	
35	Tunisia (2007)	23.79	39.65	0.71		107	Uruguay (2006)	10.22	9.21	0.09	○
36	Kenya (2006)	23.73	39.52	0.70		108	Nicaragua (2003)	10.22	9.20	0.08	○
37	Belarus (2007)	23.56	39.13	0.69		109	Guatemala (2007)	10.14	9.03	0.07	○
38	Croatia	23.54	39.08	0.68		110	Philippines (2007)	9.41	7.38	0.06	○
39	Mali (2010)	23.50	38.99	0.67	●	111	Lao PDR	9.13	6.76	0.05	
40	Canada (2002)	23.46	38.91	0.66		112	United Arab Emirates (2009)	8.29	4.87	0.04	○
41	Mozambique (2006)	23.36	38.69	0.66	●	113	Peru (2006)	8.21	4.69	0.03	○
42	Spain	23.06	38.01	0.65		114	Brunei Darussalam (2010)	7.16	2.35	0.03	○
43	Kyrgyzstan (2009)	22.94	37.73	0.64		115	Dominican Republic (2003)	6.48	0.82	0.02	○
44	Poland	22.71	37.22	0.63		116	Lebanon (2009)	6.22	0.23	0.01	○
45	Kuwait (2004)	22.02	35.69	0.62		117	Cambodia (2007)	6.12	0.00	0.00	○
46	United States of America	21.99	35.62	0.61		n/a	Albania	n/a	n/a	n/a	
47	Malaysia (2009)	21.56	34.65	0.60		n/a	Algeria	n/a	n/a	n/a	
48	Fiji (2004)	21.32	34.10	0.59		n/a	Angola	n/a	n/a	n/a	
49	Viet Nam	21.29	34.03	0.59		n/a	Bahrain	n/a	n/a	n/a	
50	Saudi Arabia	20.96	33.30	0.58		n/a	Bosnia and Herzegovina	n/a	n/a	n/a	
51	Greece (2005)	20.74	32.80	0.57		n/a	China	n/a	n/a	n/a	
52	Czech Republic	20.57	32.43	0.56		n/a	Ecuador	n/a	n/a	n/a	
53	Romania (2007)	20.55	32.39	0.55		n/a	Gabon	n/a	n/a	n/a	
54	Korea, Rep.	20.51	32.30	0.54		n/a	Germany	n/a	n/a	n/a	
55	Ethiopia (2010)	20.44	32.13	0.53	●	n/a	Honduras	n/a	n/a	n/a	
56	Japan	20.34	31.91	0.53		n/a	Ireland	n/a	n/a	n/a	
57	Belize (2009)	20.33	31.89	0.52		n/a	Jordan	n/a	n/a	n/a	
58	Lithuania	20.21	31.62	0.51		n/a	Malawi	n/a	n/a	n/a	
59	Namibia (2003)	19.92	30.96	0.50		n/a	Montenegro	n/a	n/a	n/a	
60	Argentina (2009)	19.81	30.72	0.49		n/a	Nigeria	n/a	n/a	n/a	
61	Israel	19.76	30.60	0.48		n/a	Singapore	n/a	n/a	n/a	
62	Russian Federation	19.69	30.46	0.47		n/a	South Africa	n/a	n/a	n/a	
63	Luxembourg (2001)	19.66	30.39	0.47		n/a	Sri Lanka	n/a	n/a	n/a	
64	Hong Kong (China) (2010)	19.50	30.02	0.46	○	n/a	Sudan	n/a	n/a	n/a	
65	Iran, Islamic Rep. (2009)	19.48	29.97	0.45		n/a	Tanzania, United Rep.	n/a	n/a	n/a	
66	Australia (2009)	19.14	29.21	0.44	○	n/a	Uzbekistan	n/a	n/a	n/a	
67	Brazil	19.10	29.12	0.43		n/a	Venezuela, Bolivarian Rep.	n/a	n/a	n/a	
68	Ghana (2010)	19.04	29.00	0.42		n/a	Zambia	n/a	n/a	n/a	
69	Trinidad and Tobago (2002)	18.90	28.67	0.41		n/a	Zimbabwe	n/a	n/a	n/a	
70	Costa Rica (2004)	18.69	28.22	0.41							
71	Jamaica (2010)	18.66	28.15	0.40							
72	Thailand (2009)	18.63	28.07	0.39							

SOURCE: UNESCO Institute for Statistics, *UIS online database* (2001–10)

2.1.3 School life expectancy

School life expectancy, primary to tertiary education (years) | 2009

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	New Zealand (2010)	19.67	100.00	1.00	●	73	Fiji (2005)	12.95	54.46	0.45	
2	Australia	19.25	97.16	0.99	●	74	Belize (2010)	12.86	53.83	0.45	
3	Iceland	18.31	90.82	0.98	●	75	Turkey	12.86	53.82	0.44	
4	Ireland	18.31	90.80	0.98		76	Indonesia (2010)	12.86	53.81	0.43	
5	Norway	17.28	83.83	0.97		77	Sri Lanka (2004)	12.68	52.65	0.42	
6	Korea, Rep.	16.99	81.86	0.96	●	78	Kyrgyzstan	12.60	52.11	0.42	
7	Netherlands	16.86	80.95	0.95		79	Malaysia (2008)	12.59	52.00	0.41	
8	Slovenia	16.86	80.95	0.95	●	80	Trinidad and Tobago (2007)	12.33	50.25	0.40	
9	Finland	16.83	80.76	0.94		81	Dominican Republic (2004)	12.28	49.89	0.39	
10	United States of America (2010)	16.76	80.30	0.93		82	Qatar (2010)	12.24	49.67	0.39	
11	Denmark	16.75	80.24	0.92		83	Botswana (2007)	12.17	49.14	0.38	
12	Spain	16.43	78.06	0.92	●	84	Thailand (2010)	12.16	49.11	0.37	
13	Belgium	16.39	77.80	0.91		85	Armenia (2010)	12.16	49.08	0.36	
14	United Kingdom	16.38	77.71	0.90		86	Paraguay	12.08	48.57	0.36	
15	Greece (2007)	16.25	76.85	0.89	●	87	El Salvador (2010)	12.01	48.06	0.35	
16	Italy	16.18	76.39	0.89	●	88	Costa Rica (2005)	11.94	47.58	0.34	
17	France	16.14	76.06	0.88		89	Viet Nam (2010)	11.92	47.50	0.33	
18	Argentina	16.10	75.83	0.87	●	90	Moldova, Rep. (2010)	11.85	46.96	0.33	
19	Portugal	16.01	75.18	0.86	●	91	Namibia (2008)	11.84	46.91	0.32	
20	Lithuania	15.89	74.40	0.86	●	92	Egypt (2004)	11.74	46.26	0.31	
21	Estonia	15.82	73.93	0.85		93	China (2010)	11.72	46.13	0.30	
22	Sweden	15.77	73.56	0.84		94	Philippines (2008)	11.68	45.83	0.30	
23	Israel	15.70	73.12	0.83		95	Azerbaijan (2010)	11.66	45.69	0.29	
24	Uruguay	15.55	72.06	0.83	●	96	Uzbekistan (2011)	11.60	45.29	0.28	
25	Hong Kong (China) (2010)	15.49	71.71	0.82		97	Tajikistan (2010)	11.55	44.96	0.27	
26	Switzerland	15.45	71.41	0.81		98	Honduras (2008)	11.44	44.23	0.27	
27	Czech Republic	15.34	70.68	0.80		99	Albania (2004)	11.44	44.19	0.26	
28	Austria	15.33	70.58	0.80		100	Burundi (2010)	11.33	43.48	0.25	
29	Kazakhstan (2011)	15.28	70.26	0.79	●	101	Syrian Arab Rep. (2007)	11.27	43.06	0.24	
30	Hungary	15.27	70.18	0.78		102	Uganda	11.07	41.70	0.23	
31	Japan	15.21	69.80	0.77		103	Kenya	11.05	41.57	0.23	
32	Poland	15.15	69.40	0.77		104	Rwanda (2010)	10.94	40.86	0.22	
33	Canada (2002)	15.13	69.27	0.76		105	Cameroon (2010)	10.87	40.37	0.21	
34	Brunei Darussalam (2010)	15.03	68.57	0.75		106	Nicaragua (2003)	10.83	40.11	0.20	
35	Montenegro (2010)	14.99	68.29	0.74		107	India (2008)	10.83	40.09	0.20	
36	Ukraine (2010)	14.76	66.72	0.73		108	Swaziland (2007)	10.75	39.53	0.19	
37	Latvia (2010)	14.76	66.71	0.73		109	Ghana	10.70	39.23	0.18	
38	Romania	14.72	66.48	0.72		110	Guatemala (2007)	10.66	38.95	0.17	
39	Chile	14.72	66.44	0.71		111	Togo (2007)	10.59	38.45	0.17	
40	Cyprus	14.71	66.37	0.70		112	Cambodia (2008)	10.52	38.00	0.16	
41	Belarus (2007)	14.66	66.05	0.70		113	Madagascar	10.44	37.45	0.15	
42	Slovakia	14.64	65.94	0.69		114	Malawi (2010)	10.39	37.11	0.14	
43	Malta	14.59	65.57	0.68		115	Morocco (2007)	10.36	36.90	0.14	○
44	Tunisia	14.51	65.03	0.67		116	Guyana (2010)	10.29	36.45	0.13	
45	Venezuela, Bolivarian Rep.	14.38	64.12	0.67	●	117	Angola (2010)	10.22	35.96	0.12	
46	Saudi Arabia (2010)	14.31	63.67	0.66		118	Lesotho (2007)	9.62	31.85	0.11	
47	Russian Federation	14.26	63.31	0.65		119	Lao PDR (2008)	9.60	31.76	0.11	
48	Kuwait (2004)	14.17	62.73	0.64		120	Benin (2005)	9.36	30.09	0.10	
49	Brazil (2008)	14.02	61.68	0.64		121	Mozambique (2007)	9.20	29.01	0.09	
50	Mongolia	13.93	61.09	0.63		122	Tanzania, United Rep. (2007)	9.08	28.23	0.08	
51	Lebanon (2010)	13.89	60.85	0.62		123	Nigeria (2005)	8.98	27.52	0.08	
52	Croatia	13.85	60.56	0.61		124	Nepal (2002)	8.93	27.17	0.07	
53	Bulgaria	13.77	59.98	0.61		125	Yemen (2005)	8.74	25.88	0.06	
54	Algeria	13.62	58.97	0.60		126	Gambia (2008)	8.71	25.72	0.05	○
55	Mexico	13.61	58.92	0.59		127	Ethiopia (2010)	8.66	25.34	0.05	
56	Serbia (2010)	13.60	58.89	0.58		128	Senegal (2010)	8.18	22.11	0.04	○
57	Colombia (2010)	13.60	58.86	0.58		129	Bangladesh (2007)	8.14	21.83	0.03	○
58	Mauritius (2008)	13.60	58.85	0.57		130	Mali (2010)	7.32	16.27	0.02	○
59	Oman	13.52	58.31	0.56		131	Pakistan	7.27	15.95	0.02	○
60	Luxembourg (2008)	13.48	58.08	0.55		132	Burkina Faso (2010)	6.43	10.23	0.01	○
61	Bolivia, Plurinational St. (2007)	13.48	58.08	0.55		133	Niger (2010)	4.92	0.00	0.00	○
62	Bosnia and Herzegovina (2010)	13.36	57.27	0.54		n/a	Bahrain	n/a	n/a	n/a	
63	Ecuador (2007)	13.33	57.02	0.53		n/a	Côte d'Ivoire	n/a	n/a	n/a	
64	United Arab Emirates	13.33	57.00	0.52		n/a	Germany	n/a	n/a	n/a	
65	Macedonia, FYR	13.32	56.99	0.52		n/a	Singapore	n/a	n/a	n/a	
66	Jordan (2008)	13.32	56.97	0.51		n/a	South Africa	n/a	n/a	n/a	
67	Georgia	13.18	56.03	0.50		n/a	Sudan	n/a	n/a	n/a	
68	Panama	13.17	55.92	0.49		n/a	Zambia	n/a	n/a	n/a	
69	Jamaica (2010)	13.09	55.39	0.48		n/a	Zimbabwe	n/a	n/a	n/a	
70	Iran, Islamic Rep.	13.09	55.38	0.48							
71	Peru (2006)	13.04	55.05	0.47							
72	Gabon (2002)	13.03	55.00	0.46							

SOURCE: UNESCO Institute for Statistics, *UIS online database* (2002–11)

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank
1	China	576.83	100.00	1.00	●	n/a	Armenia	n/a	n/a	n/a
2	Hong Kong (China)	545.57	87.59	0.99		n/a	Bahrain	n/a	n/a	n/a
3	Finland	543.50	86.77	0.97		n/a	Bangladesh	n/a	n/a	n/a
4	Singapore	543.20	86.65	0.96		n/a	Belarus	n/a	n/a	n/a
5	Korea, Rep.	541.17	85.84	0.94		n/a	Belize	n/a	n/a	n/a
6	Japan	529.43	81.19	0.93		n/a	Benin	n/a	n/a	n/a
7	Canada	526.57	80.05	0.91		n/a	Bolivia, Plurinational St.	n/a	n/a	n/a
8	New Zealand	524.07	79.06	0.90		n/a	Bosnia and Herzegovina	n/a	n/a	n/a
9	Australia	518.83	76.98	0.88		n/a	Botswana	n/a	n/a	n/a
10	Netherlands	518.80	76.96	0.87		n/a	Brunei Darussalam	n/a	n/a	n/a
11	Switzerland	517.03	76.26	0.86		n/a	Burkina Faso	n/a	n/a	n/a
12	Estonia	513.63	74.91	0.84		n/a	Burundi	n/a	n/a	n/a
13	Germany	510.17	73.54	0.83		n/a	Cambodia	n/a	n/a	n/a
14	Belgium	509.27	73.18	0.81		n/a	Cameroon	n/a	n/a	n/a
15	Poland	501.13	69.95	0.80		n/a	Côte d'Ivoire	n/a	n/a	n/a
16	Iceland	500.87	69.85	0.78		n/a	Cyprus	n/a	n/a	n/a
17	Norway	500.37	69.65	0.77		n/a	Dominican Republic	n/a	n/a	n/a
18	United Kingdom	500.10	69.54	0.75		n/a	Ecuador	n/a	n/a	n/a
19	Denmark	499.17	69.17	0.74		n/a	Egypt	n/a	n/a	n/a
20	Slovenia	498.80	69.03	0.72		n/a	El Salvador	n/a	n/a	n/a
21	Ireland	496.90	68.27	0.71		n/a	Ethiopia	n/a	n/a	n/a
22	France	496.87	68.26	0.70		n/a	Fiji	n/a	n/a	n/a
23	United States of America	496.40	68.07	0.68		n/a	Gabon	n/a	n/a	n/a
24	Hungary	495.67	67.78	0.67		n/a	Gambia	n/a	n/a	n/a
25	Sweden	495.57	67.74	0.65		n/a	Ghana	n/a	n/a	n/a
26	Czech Republic	490.50	65.73	0.64		n/a	Guatemala	n/a	n/a	n/a
27	Portugal	489.70	65.41	0.62		n/a	Guyana	n/a	n/a	n/a
28	Slovakia	488.13	64.79	0.61		n/a	Honduras	n/a	n/a	n/a
29	Austria	486.83	64.28	0.59		n/a	Iran, Islamic Rep.	n/a	n/a	n/a
30	Latvia	486.63	64.20	0.58		n/a	Jamaica	n/a	n/a	n/a
31	Italy	485.93	63.92	0.57		n/a	Kenya	n/a	n/a	n/a
32	Spain	484.27	63.26	0.55		n/a	Kuwait	n/a	n/a	n/a
33	Luxembourg	481.73	62.25	0.54		n/a	Lao PDR	n/a	n/a	n/a
34	Lithuania	478.80	61.09	0.52		n/a	Lebanon	n/a	n/a	n/a
35	Croatia	474.00	59.18	0.51		n/a	Lesotho	n/a	n/a	n/a
36	Greece	473.00	58.79	0.49		n/a	Macedonia, FYR	n/a	n/a	n/a
37	Russian Federation	468.50	57.00	0.48		n/a	Madagascar	n/a	n/a	n/a
38	United Arab Emirates	459.47	53.41	0.46		n/a	Malawi	n/a	n/a	n/a
39	Israel	458.60	53.07	0.45		n/a	Mali	n/a	n/a	n/a
40	Malta (2010)	455.43	51.81	0.43	○	n/a	Mongolia	n/a	n/a	n/a
41	Turkey	454.53	51.46	0.42		n/a	Morocco	n/a	n/a	n/a
42	Serbia	442.40	46.64	0.41		n/a	Mozambique	n/a	n/a	n/a
43	Chile	439.33	45.42	0.39		n/a	Namibia	n/a	n/a	n/a
44	Bulgaria	432.17	42.58	0.38		n/a	Nepal	n/a	n/a	n/a
45	Costa Rica (2010)	427.50	40.73	0.36		n/a	Nicaragua	n/a	n/a	n/a
46	Romania	426.60	40.37	0.35		n/a	Niger	n/a	n/a	n/a
47	Uruguay	426.57	40.35	0.33		n/a	Nigeria	n/a	n/a	n/a
48	Thailand	421.77	38.45	0.32		n/a	Oman	n/a	n/a	n/a
49	Mexico	419.90	37.71	0.30		n/a	Pakistan	n/a	n/a	n/a
50	Mauritius (2010)	414.60	35.60	0.29		n/a	Paraguay	n/a	n/a	n/a
51	Trinidad and Tobago	413.57	35.19	0.28		n/a	Philippines	n/a	n/a	n/a
52	Venezuela, Bolivarian Rep. (2010)	413.43	35.14	0.26		n/a	Rwanda	n/a	n/a	n/a
53	Malaysia (2010)	413.43	35.14	0.25	○	n/a	Saudi Arabia	n/a	n/a	n/a
54	Montenegro	403.77	31.30	0.23	○	n/a	Senegal	n/a	n/a	n/a
55	Jordan	402.37	30.75	0.22		n/a	South Africa	n/a	n/a	n/a
56	Brazil	401.00	30.21	0.20	○	n/a	Sri Lanka	n/a	n/a	n/a
57	Moldova, Rep. (2010)	399.47	29.60	0.19		n/a	Sudan	n/a	n/a	n/a
58	Colombia	398.60	29.25	0.17	○	n/a	Swaziland	n/a	n/a	n/a
59	Kazakhstan	398.57	29.24	0.16		n/a	Syrian Arab Rep.	n/a	n/a	n/a
60	Argentina	395.73	28.12	0.14	○	n/a	Tajikistan	n/a	n/a	n/a
61	Tunisia	391.93	26.61	0.13	○	n/a	Tanzania, United Rep.	n/a	n/a	n/a
62	Azerbaijan	388.57	25.27	0.12	○	n/a	Togo	n/a	n/a	n/a
63	Indonesia	385.20	23.93	0.10		n/a	Uganda	n/a	n/a	n/a
64	Albania	384.33	23.59	0.09		n/a	Ukraine	n/a	n/a	n/a
65	Georgia (2010)	375.50	20.08	0.07	○	n/a	Uzbekistan	n/a	n/a	n/a
66	Qatar	373.07	19.12	0.06	○	n/a	Viet Nam	n/a	n/a	n/a
67	Panama	368.77	17.41	0.04	○	n/a	Yemen	n/a	n/a	n/a
68	Peru	368.07	17.13	0.03	○	n/a	Zambia	n/a	n/a	n/a
69	India (2010)	336.02	4.41	0.01	○	n/a	Zimbabwe	n/a	n/a	n/a
70	Kyrgyzstan	324.90	0.00	0.00	○					
n/a	Algeria	n/a	n/a	n/a						
n/a	Angola	n/a	n/a	n/a						

SOURCE: OECD Programme for International Student Assessment (PISA) 2009 and 2010 (2009–10)

2.1.5 Pupil-teacher ratio, secondary

Pupil-teacher ratio, secondary | 2009

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Belgium	6.51	100.00	1.00	●	73	Costa Rica (2010)	15.51	75.39	0.45	
2	Armenia (2010)	6.67	99.57	0.99	●	74	Mauritius (2010)	15.93	74.25	0.44	
3	Venezuela, Bolivarian Rep. (2010)	6.77	99.30	0.98	●	75	Guatemala (2010)	15.99	74.08	0.44	
4	Canada (2008)	7.08	98.44	0.98	●	76	Cameroon (2006)	16.17	73.58	0.43	
5	Syrian Arab Rep. (2010)	7.24	98.01	0.97	●	77	Peru	16.53	72.59	0.42	
6	Portugal	7.28	97.90	0.96	●	78	Sri Lanka (2010)	16.68	72.17	0.41	
7	Georgia	7.57	97.11	0.95	●	79	Belize (2010)	16.84	71.76	0.40	
8	Azerbaijan (2007)	7.82	96.42	0.95	●	80	Turkey	16.92	71.52	0.40	
9	Greece (2007)	7.88	96.24	0.94	●	81	Egypt (2004)	17.08	71.09	0.39	
10	Kuwait (2010)	7.97	96.02	0.93	●	82	Tajikistan (2010)	17.10	71.04	0.38	
11	Belarus (2007)	8.10	95.65	0.92	●	83	Brazil	17.14	70.93	0.37	
12	Malta	8.19	95.42	0.92		84	Mexico	17.64	69.56	0.37	
13	Croatia	8.33	95.02	0.91	●	85	Hong Kong (China) (2005)	17.76	69.24	0.36	○
14	Russian Federation	8.47	94.65	0.90	●	86	Korea, Rep.	17.98	68.63	0.35	○
15	Kazakhstan (2011)	8.87	93.55	0.89	●	87	Lesotho (2010)	18.02	68.51	0.34	
16	Lebanon (2010)	8.94	93.35	0.89	●	88	Bolivia, Plurinational St. (2007)	18.17	68.12	0.34	
17	Lithuania	8.95	93.33	0.88	●	89	Swaziland (2010)	18.18	68.07	0.33	
18	Latvia (2010)	9.00	93.19	0.87	●	90	Viet Nam (2010)	18.55	67.07	0.32	
19	Slovenia	9.18	92.69	0.86		91	Ghana (2011)	18.67	66.75	0.31	
20	Estonia	9.44	91.98	0.85		92	Fiji (2008)	18.72	66.61	0.31	
21	Israel	9.47	91.89	0.85		93	Morocco (2004)	18.73	66.59	0.30	
22	Serbia (2010)	9.60	91.55	0.84	●	94	Uganda (2010)	19.17	65.37	0.29	
23	Sweden	9.62	91.50	0.83		95	Thailand (2011)	19.91	63.36	0.28	○
24	Saudi Arabia (2010)	9.75	91.14	0.82		96	Algeria (2004)	20.85	60.79	0.27	
25	Finland	9.89	90.76	0.82		97	Mongolia (2007)	21.09	60.14	0.27	
26	Cyprus	9.91	90.69	0.81		98	Guyana (2010)	21.42	59.22	0.26	
27	Qatar (2010)	9.93	90.63	0.80		99	Iran, Islamic Rep. (2008)	21.69	58.48	0.25	
28	Denmark (2001)	10.05	90.31	0.79		100	Sudan	22.23	57.01	0.24	
29	Italy (2007)	10.10	90.18	0.79		101	Zimbabwe (2003)	22.32	56.75	0.24	
30	Luxembourg (2008)	10.20	89.92	0.78		102	Ecuador	22.39	56.56	0.23	
31	Austria	10.28	89.68	0.77		103	Chile	22.41	56.52	0.22	○
32	Hungary	10.33	89.55	0.76		104	Lao PDR (2008)	22.76	55.55	0.21	
33	Brunei Darussalam	10.46	89.20	0.76		105	Zambia (2008)	23.23	54.28	0.21	
34	Moldova, Rep. (2010)	10.50	89.09	0.75		106	Madagascar	23.48	53.58	0.20	
35	Ireland (2006)	10.54	88.96	0.74		107	Cambodia (2010)	23.91	52.42	0.19	
36	Spain	10.55	88.95	0.73		108	Benin (2004)	23.93	52.35	0.18	
37	Poland	10.68	88.59	0.73		109	El Salvador	24.36	51.17	0.18	
38	Argentina (2008)	10.90	87.99	0.72		110	Namibia (2007)	24.62	50.46	0.17	
39	Czech Republic	11.15	87.30	0.71		111	Mali (2011)	24.70	50.27	0.16	
40	Honduras (2008)	11.32	86.84	0.70	●	112	South Africa	25.05	49.30	0.15	○
41	Iceland	11.65	85.94	0.69		113	Burkina Faso (2011)	26.49	45.36	0.15	
42	Yemen (2010)	11.69	85.82	0.69	●	114	Gambia	26.60	45.04	0.14	
43	Paraguay (2004)	11.84	85.43	0.68	●	115	Colombia (2010)	27.15	43.56	0.13	○
44	Jordan (2008)	11.86	85.35	0.67		116	Dominican Republic (2010)	28.19	40.70	0.12	○
45	Japan	11.97	85.07	0.66		117	Bangladesh (2010)	28.48	39.90	0.11	
46	Bulgaria	11.99	85.01	0.66		118	Rwanda (2010)	29.40	37.41	0.11	
47	Indonesia (2010)	12.18	84.50	0.65	●	119	Niger (2010)	29.61	36.82	0.10	
48	Trinidad and Tobago (2010)	12.33	84.07	0.64		120	Kenya	29.68	36.64	0.09	○
49	Macedonia, FYR	12.36	84.01	0.63		121	Burundi (2010)	29.94	35.92	0.08	
50	Slovakia	12.37	83.96	0.63		122	Nicaragua (2010)	30.83	33.49	0.08	○
51	Romania	12.39	83.92	0.62		123	Senegal (2010)	32.32	29.41	0.07	
52	Bahrain (2002)	12.40	83.90	0.61		124	India (2004)	32.70	28.37	0.06	○
53	United Arab Emirates (2010)	12.42	83.82	0.60		125	Nigeria (2010)	33.08	27.33	0.05	
54	Uruguay	12.43	83.82	0.60		126	Philippines	34.81	22.59	0.05	○
55	France	12.50	83.63	0.59		127	Mozambique (2010)	34.95	22.21	0.04	○
56	Bosnia and Herzegovina (2010)	12.60	83.33	0.58		128	Togo (2007)	35.51	20.70	0.03	○
57	Germany	13.24	81.60	0.57		129	Nepal (2011)	36.93	16.81	0.02	○
58	Uzbekistan (2011)	13.28	81.49	0.56	●	130	Angola (2010)	38.67	12.04	0.02	○
59	Netherlands	13.40	81.16	0.56	○	131	Pakistan (2004)	41.86	3.33	0.01	○
60	Malaysia	13.65	80.46	0.55		132	Ethiopia (2010)	43.07	0.00	0.00	○
61	United States of America (2010)	13.76	80.17	0.54		n/a	Australia	n/a	n/a	n/a	
62	Tunisia	13.86	79.91	0.53		n/a	Côte d'Ivoire	n/a	n/a	n/a	
63	Botswana (2007)	13.88	79.85	0.53		n/a	Gabon	n/a	n/a	n/a	
64	United Kingdom (2008)	14.27	78.78	0.52		n/a	Malawi	n/a	n/a	n/a	
65	New Zealand (2010)	14.50	78.14	0.51		n/a	Montenegro	n/a	n/a	n/a	
66	Jamaica (2010)	14.55	78.00	0.50		n/a	Norway	n/a	n/a	n/a	
67	Oman	14.78	77.39	0.50		n/a	Switzerland	n/a	n/a	n/a	
68	Albania (2010)	14.78	77.39	0.49		n/a	Tanzania, United Rep.	n/a	n/a	n/a	
69	Singapore	14.91	77.02	0.48	○	n/a	Ukraine	n/a	n/a	n/a	
70	Kyrgyzstan (2010)	15.21	76.21	0.47							
71	Panama (2010)	15.34	75.86	0.47							
72	China (2010)	15.46	75.52	0.46							

SOURCE: UNESCO Institute for Statistics, *UIS online database*, and World Bank *World Development Indicators* database (2001–11)

2.2.1 Tertiary enrolment

School enrolment, tertiary (% gross)^a | 2009

339

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Korea, Rep.	103.87	100.00	1.00	●	73	United Arab Emirates	30.40	28.78	0.46	
2	United States of America (2010)	94.81	91.21	0.99	●	74	Jamaica (2010)	28.95	27.37	0.45	
3	Finland	91.59	88.10	0.98		75	Philippines (2008)	28.89	27.31	0.44	
4	Greece (2007)	89.38	85.95	0.98	●	76	Georgia (2010)	28.25	26.69	0.44	
5	Slovenia	86.93	83.57	0.97	●	77	Mexico	27.04	25.51	0.43	
6	Belarus (2010)	82.95	79.72	0.96	●	78	China (2010)	25.95	24.46	0.42	
7	New Zealand (2010)	82.56	79.33	0.95		79	Costa Rica (2005)	25.55	24.07	0.41	
8	Ukraine (2010)	79.47	76.34	0.95	●	80	Mauritius (2008)	24.86	23.41	0.41	
9	Venezuela, Bolivarian Rep.	78.13	75.04	0.94	●	81	Oman (2010)	24.47	23.02	0.40	
10	Lithuania	77.37	74.31	0.93	●	82	El Salvador (2010)	23.45	22.03	0.39	
11	Australia	75.91	72.90	0.92		83	Indonesia (2010)	23.12	21.72	0.38	
12	Russian Federation	75.89	72.87	0.92	●	84	Viet Nam (2010)	22.29	20.91	0.38	
13	Denmark	74.40	71.43	0.91		85	Kuwait (2004)	21.86	20.50	0.37	
14	Iceland	74.10	71.13	0.90		86	Belize (2010)	21.49	20.13	0.36	
15	Norway	73.79	70.84	0.89		87	Tajikistan (2010)	19.67	18.37	0.35	
16	Spain	73.24	70.31	0.89	●	88	Azerbaijan (2010)	19.26	17.97	0.35	
17	Argentina	71.23	68.36	0.88	●	89	Honduras (2008)	18.82	17.55	0.34	
18	Sweden	70.78	67.92	0.87		90	Albania (2004)	18.38	17.12	0.33	
19	Poland	70.54	67.68	0.86	●	91	Nicaragua (2003)	17.97	16.72	0.32	
20	Belgium	67.46	64.70	0.86		92	Guatemala (2007)	17.83	16.58	0.32	
21	Italy	65.98	63.27	0.85		93	Brunei Darussalam (2010)	17.25	16.02	0.31	
22	Romania	63.77	61.12	0.84	●	94	India	16.23	15.04	0.30	
23	Uruguay	63.28	60.65	0.83	●	95	Fiji (2005)	16.15	14.96	0.29	
24	Netherlands	62.70	60.09	0.83		96	Sri Lanka (2010)	15.46	14.29	0.29	
25	Estonia	62.70	60.08	0.82		97	Lao PDR (2008)	13.41	12.31	0.28	
26	Israel	62.48	59.87	0.81		98	Morocco	13.22	12.11	0.27	
27	Canada (2004)	62.27	59.67	0.80		99	Guyana (2010)	11.89	10.83	0.26	
28	Portugal	62.20	59.60	0.80		100	Trinidad and Tobago (2005)	11.52	10.47	0.26	
29	Hungary	61.68	59.10	0.79		101	Cameroon (2010)	11.48	10.43	0.25	
30	Ireland	60.96	58.40	0.78		102	Bangladesh	10.59	9.57	0.24	
31	Czech Republic	60.65	58.10	0.77		103	Luxembourg (2008)	10.53	9.51	0.23	○
32	Austria	60.20	57.67	0.77		104	Nigeria (2005)	10.26	9.25	0.23	
33	Latvia (2010)	60.10	57.57	0.76		105	Yemen (2007)	10.19	9.18	0.22	
34	Hong Kong (China) (2010)	59.72	57.19	0.75		106	Cambodia	10.00	9.00	0.21	
35	Chile	59.18	56.67	0.74		107	Qatar (2010)	9.97	8.97	0.20	○
36	Japan	59.02	56.52	0.74		108	Namibia (2008)	8.96	7.98	0.20	
37	United Kingdom	58.53	56.04	0.73		109	Uzbekistan (2011)	8.87	7.90	0.19	
38	France	54.53	52.17	0.72		110	Côte d'Ivoire (2007)	8.87	7.90	0.18	
39	Slovakia	54.16	51.80	0.71		111	Ghana	8.80	7.83	0.17	
40	Lebanon (2010)	54.02	51.67	0.71		112	Senegal (2010)	7.92	6.98	0.17	
41	Mongolia (2010)	53.30	50.97	0.70		113	Botswana (2006)	7.44	6.51	0.16	
42	Bulgaria	53.02	50.70	0.69		114	Pakistan	6.41	5.52	0.15	
43	Cyprus	52.00	49.72	0.68		115	Zimbabwe (2010)	6.19	5.30	0.14	
44	Armenia (2010)	51.53	49.26	0.68		116	Benin (2006)	6.03	5.15	0.14	
45	Switzerland	51.45	49.18	0.67		117	Togo (2007)	5.88	5.00	0.13	
46	Bahrain (2010)	51.21	48.94	0.66		118	Mali (2010)	5.80	4.92	0.12	
47	Croatia	49.17	46.97	0.65		119	Nepal (2004)	5.56	4.69	0.11	
48	Serbia (2010)	49.08	46.88	0.65		120	Rwanda (2010)	5.49	4.63	0.11	
49	Kyrgyzstan	48.81	46.62	0.64		121	Ethiopia (2010)	5.46	4.60	0.10	
50	Thailand (2011)	47.70	45.54	0.63		122	Swaziland (2006)	4.43	3.59	0.09	
51	Montenegro (2010)	47.64	45.49	0.62		123	Uganda	4.19	3.36	0.08	
52	Turkey	45.82	43.72	0.62		124	Gambia (2008)	4.12	3.29	0.08	
53	Panama	44.65	42.58	0.61		125	Kenya	4.03	3.21	0.07	○
54	Iran, Islamic Rep. (2010)	42.77	40.77	0.60	●	126	Angola (2010)	3.71	2.90	0.06	
55	Jordan	41.84	39.86	0.59		127	Madagascar (2010)	3.69	2.88	0.05	
56	Kazakhstan (2011)	40.81	38.87	0.59		128	Lesotho (2006)	3.52	2.71	0.05	○
57	Macedonia, FYR	40.42	38.49	0.58		129	Burkina Faso (2010)	3.33	2.53	0.04	
58	Malaysia	40.24	38.31	0.57		130	Burundi (2010)	3.25	2.45	0.03	
59	Ecuador (2008)	39.84	37.92	0.56		131	Tanzania, United Rep. (2010)	2.11	1.35	0.02	○
60	Colombia (2010)	39.13	37.24	0.56		132	Mozambique (2005)	1.46	0.72	0.02	○
61	Bolivia, Plurinational St. (2007)	38.65	36.77	0.55		133	Niger (2010)	1.46	0.72	0.01	○
62	Moldova, Rep. (2010)	38.15	36.28	0.54		134	Malawi (2010)	0.72	0.00	0.00	○
63	Saudi Arabia (2010)	36.76	34.94	0.53		n/a	Gabon	n/a	n/a	n/a	
64	Paraguay	36.64	34.83	0.53		n/a	Germany	n/a	n/a	n/a	
65	Brazil	36.07	34.27	0.52		n/a	Singapore	n/a	n/a	n/a	
66	Bosnia and Herzegovina (2010)	35.90	34.11	0.51		n/a	South Africa	n/a	n/a	n/a	
67	Peru (2006)	34.99	33.22	0.50		n/a	Sudan	n/a	n/a	n/a	
68	Tunisia	34.40	32.65	0.50		n/a	Syrian Arab Rep.	n/a	n/a	n/a	
69	Dominican Republic (2004)	34.00	32.27	0.49		n/a	Zambia	n/a	n/a	n/a	
70	Malta	33.37	31.65	0.48							
71	Algeria (2010)	30.76	29.13	0.47							
72	Egypt (2008)	30.44	28.81	0.47							

SOURCE: UNESCO Institute for Statistics, *UIS online database*; World Bank *World Development Indicators* database (2003–11)

2.2.2 Graduates in science and engineering

Tertiary graduates in engineering, manufacturing, and construction (% of total tertiary graduates) | 2009

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Iran, Islamic Rep. (2010)	44.42	100.00	1.00	●	73	Poland	15.65	31.56	0.31	○
2	Oman (2010)	38.94	86.95	0.99	●	74	United States of America (2010)	15.47	31.12	0.30	○
3	Malaysia	37.72	84.05	0.98	●	75	Norway	15.23	30.56	0.29	○
4	Saudi Arabia (2010)	35.78	79.44	0.97	●	76	Kyrgyzstan	15.18	30.44	0.28	
5	Morocco (2010)	34.91	77.36	0.96	●	77	Malta	15.05	30.12	0.27	○
6	Hong Kong (China) (2006)	34.67	76.79	0.95		78	Hungary	14.76	29.43	0.26	
7	Luxembourg (2008)	32.54	71.74	0.94		79	Iceland	14.50	28.83	0.25	
8	Korea, Rep.	31.46	69.16	0.93		80	Guyana (2010)	14.38	28.53	0.24	
9	Trinidad and Tobago (2004)	30.38	66.60	0.92	●	81	Argentina	14.35	28.45	0.23	
10	Kenya (2001)	30.24	66.25	0.91	●	82	Latvia (2010)	14.32	28.38	0.22	○
11	Portugal	28.82	62.87	0.90	●	83	Netherlands	14.00	27.61	0.21	○
12	Austria	28.68	62.54	0.89		84	Cyprus	13.69	26.88	0.20	○
13	Finland	28.17	61.32	0.88		85	Uruguay	13.64	26.76	0.19	
14	Russian Federation	28.11	61.19	0.88	●	86	Botswana (2002)	12.95	25.14	0.18	
15	Algeria (2010)	27.99	60.90	0.87	●	87	Lao PDR (2006)	12.81	24.79	0.17	
16	United Arab Emirates	27.34	59.36	0.86		88	Ecuador (2008)	12.81	24.78	0.16	
17	Belarus (2010)	26.62	57.64	0.85	●	89	Honduras (2003)	12.56	24.20	0.15	
18	El Salvador (2010)	26.37	57.06	0.84	●	90	Cambodia (2008)	12.49	24.04	0.14	
19	Ukraine (2010)	26.26	56.79	0.83	●	91	Brazil	12.24	23.43	0.13	○
20	France (2008)	26.25	56.76	0.82		92	Mozambique (2005)	12.14	23.21	0.13	
21	Tajikistan (2010)	25.99	56.16	0.81	●	93	Angola (2010)	11.94	22.73	0.12	
22	Mexico	25.58	55.17	0.80	●	94	Costa Rica (2002)	11.93	22.70	0.11	○
23	Spain	25.31	54.52	0.79		95	Niger (2010)	10.47	19.24	0.10	
24	Jordan (2007)	25.11	54.06	0.78		96	Thailand	9.65	17.29	0.09	○
25	Lebanon (2010)	24.95	53.68	0.77		97	Burundi (2010)	9.58	17.12	0.08	
26	Greece (2008)	24.86	53.46	0.76		98	Uganda (2004)	9.53	16.99	0.07	○
27	Zimbabwe (2010)	24.83	53.40	0.75	●	99	Bangladesh	8.13	13.66	0.06	○
28	Germany	24.62	52.89	0.74		100	Malawi (2007)	7.01	10.99	0.05	○
29	Croatia	24.36	52.27	0.73		101	Albania (2003)	6.13	8.91	0.04	○
30	Philippines (2004)	24.31	52.16	0.72	●	102	Belize (2004)	6.00	8.59	0.03	○
31	Sweden	24.18	51.84	0.71		103	Lesotho (2003)	3.56	2.80	0.02	○
32	Qatar (2010)	24.00	51.42	0.70		104	Namibia (2008)	2.64	0.61	0.01	○
33	Czech Republic	23.72	50.76	0.69		105	Swaziland (2006)	2.39	0.00	0.00	○
34	Serbia (2010)	23.65	50.59	0.68		n/a	Bahrain	n/a	n/a	n/a	
35	Burkina Faso (2010)	23.33	49.83	0.67	●	n/a	Benin	n/a	n/a	n/a	
36	Colombia (2010)	23.24	49.60	0.66		n/a	Bolivia, Plurinational St.	n/a	n/a	n/a	
37	Nepal (2010)	23.23	49.58	0.65	●	n/a	Bosnia and Herzegovina	n/a	n/a	n/a	
38	Indonesia (2010)	22.77	48.48	0.64		n/a	China	n/a	n/a	n/a	
39	Brunei Darussalam (2010)	21.91	46.44	0.63		n/a	Côte d'Ivoire	n/a	n/a	n/a	
40	United Kingdom	21.71	45.96	0.63		n/a	Dominican Republic	n/a	n/a	n/a	
41	Romania	21.67	45.88	0.62		n/a	Egypt	n/a	n/a	n/a	
42	Ireland	21.62	45.76	0.61		n/a	Fiji	n/a	n/a	n/a	
43	Switzerland	21.56	45.60	0.60	○	n/a	Gabon	n/a	n/a	n/a	
44	Macedonia, FYR	21.45	45.34	0.59		n/a	India	n/a	n/a	n/a	
45	Uzbekistan (2011)	21.14	44.60	0.58	●	n/a	Israel	n/a	n/a	n/a	
46	Canada (2002)	21.06	44.41	0.57		n/a	Jamaica	n/a	n/a	n/a	
47	Tanzania, United Rep. (2004)	21.05	44.40	0.56	●	n/a	Kazakhstan	n/a	n/a	n/a	
48	Lithuania	21.03	44.36	0.55		n/a	Kuwait	n/a	n/a	n/a	
49	Cameroon (2010)	21.02	44.33	0.54	●	n/a	Mali	n/a	n/a	n/a	
50	Turkey	20.91	44.06	0.53		n/a	Mauritius	n/a	n/a	n/a	
51	Ethiopia (2010)	20.88	44.00	0.52	●	n/a	Moldova, Rep.	n/a	n/a	n/a	
52	Slovakia	20.62	43.37	0.51		n/a	Montenegro	n/a	n/a	n/a	
53	Japan	20.55	43.21	0.50		n/a	Nicaragua	n/a	n/a	n/a	
54	Italy (2007)	20.48	43.03	0.49		n/a	Nigeria	n/a	n/a	n/a	
55	Chile	20.45	42.96	0.48		n/a	Pakistan	n/a	n/a	n/a	
56	Gambia (2004)	20.00	41.90	0.47		n/a	Paraguay	n/a	n/a	n/a	
57	Denmark	19.62	40.99	0.46	○	n/a	Peru	n/a	n/a	n/a	
58	Estonia	19.38	40.41	0.45	○	n/a	Rwanda	n/a	n/a	n/a	
59	Panama	19.24	40.09	0.44		n/a	Senegal	n/a	n/a	n/a	
60	New Zealand	19.12	39.80	0.43		n/a	Singapore	n/a	n/a	n/a	
61	Bulgaria	18.80	39.04	0.42		n/a	South Africa	n/a	n/a	n/a	
62	Madagascar (2010)	18.24	37.72	0.41		n/a	Sri Lanka	n/a	n/a	n/a	
63	Slovenia	18.18	37.57	0.40		n/a	Sudan	n/a	n/a	n/a	
64	Australia (2008)	17.69	36.40	0.39	○	n/a	Syrian Arab Rep.	n/a	n/a	n/a	
65	Georgia (2010)	17.44	35.80	0.38		n/a	Togo	n/a	n/a	n/a	
66	Mongolia (2010)	17.13	35.08	0.38		n/a	Tunisia	n/a	n/a	n/a	
67	Guatemala (2007)	16.76	34.20	0.37		n/a	Venezuela, Bolivarian Rep.	n/a	n/a	n/a	
68	Viet Nam (2010)	16.76	34.20	0.36		n/a	Yemen	n/a	n/a	n/a	
69	Ghana	16.68	33.99	0.35		n/a	Zambia	n/a	n/a	n/a	
70	Azerbaijan (2010)	16.59	33.78	0.34							
71	Belgium	16.30	33.11	0.33	○						
72	Armenia (2010)	15.92	32.18	0.32							

SOURCE: UNESCO Institute for Statistics, *UIS online database* (2001–11)

2.2.3 Tertiary inbound mobility

Tertiary inbound mobility ratio (%)^a | 2009

341

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Luxembourg (2008)	43.81	100.00	1.00	●	73	Zimbabwe (2010)	0.93	17.16	0.33	
2	United Arab Emirates	39.22	97.14	0.99	●	74	Albania (2004)	0.91	16.85	0.32	
3	Qatar (2010)	38.91	96.94	0.98	●	75	Cameroon (2010)	0.84	15.88	0.31	
4	Fiji (2004)	32.94	92.66	0.97	●	76	Thailand (2011)	0.81	15.38	0.30	
5	Cyprus	31.78	91.73	0.96	●	77	Poland	0.79	15.13	0.29	○
6	Bahrain (2010)	24.10	84.68	0.95	●	78	Georgia (2010)	0.79	15.09	0.28	
7	Singapore (2010)	22.78	83.25	0.94		79	Turkey	0.75	14.53	0.27	
8	Australia	21.47	81.76	0.93		80	Rwanda (2001)	0.72	14.07	0.26	
9	Austria	19.38	79.17	0.93		81	Honduras (2003)	0.68	13.53	0.25	
10	United Kingdom	15.28	73.23	0.92		82	Tunisia	0.67	13.28	0.24	○
11	Lebanon (2010)	15.04	72.85	0.91	●	83	Tanzania, United Rep. (2004)	0.64	12.86	0.23	
12	Switzerland	14.92	72.66	0.90		84	Lesotho (2006)	0.62	12.59	0.22	
13	New Zealand (2010)	14.23	71.47	0.89		85	Mongolia (2010)	0.60	12.22	0.21	
14	France	11.47	66.19	0.88		86	Algeria (2010)	0.57	11.75	0.21	
15	Jordan	10.37	63.77	0.87	●	87	El Salvador (2010)	0.51	10.69	0.20	
16	Namibia (2008)	10.17	63.29	0.86	●	88	Guyana (2010)	0.50	10.59	0.19	
17	Angola (2010)	9.86	62.54	0.85	●	89	Croatia	0.50	10.55	0.18	○
18	Belgium	7.98	57.54	0.84		90	Bangladesh	0.00	0.00	0.00	○
19	Norway	7.98	57.54	0.83		90	Brazil	0.00	0.00	0.00	○
20	Czech Republic	7.35	55.60	0.82		90	Cambodia (2006)	0.00	0.00	0.00	○
21	Ireland	7.08	54.76	0.81		90	Chile	0.00	0.00	0.00	○
22	Kyrgyzstan	6.87	54.07	0.80		90	China (2010)	0.00	0.00	0.00	○
23	Niger (2010)	6.58	53.06	0.79	●	90	Gambia (2004)	0.00	0.00	0.00	○
24	Sweden	6.40	52.42	0.79		90	India (2006)	0.00	0.00	0.00	○
25	Burundi (2010)	6.19	51.68	0.78	●	90	Indonesia (2010)	0.00	0.00	0.00	○
26	Trinidad and Tobago (2004)	5.78	50.14	0.77	●	90	Iran, Islamic Rep. (2010)	0.00	0.00	0.00	○
27	Malaysia	5.78	50.11	0.76		90	Lao PDR (2008)	0.00	0.00	0.00	○
28	Denmark	5.36	48.45	0.75		90	Mauritius (2006)	0.00	0.00	0.00	○
29	Canada (2004)	4.90	46.45	0.74		90	Mexico (2002)	0.00	0.00	0.00	○
30	Iceland	4.63	45.21	0.73		90	Nepal	0.00	0.00	0.00	○
31	Malta	4.34	43.81	0.72		90	Pakistan (2003)	0.00	0.00	0.00	○
32	Finland	4.25	43.35	0.71		90	Philippines (2008)	0.00	0.00	0.00	○
33	Serbia (2010)	4.18	43.03	0.70		90	Sri Lanka (2003)	0.00	0.00	0.00	○
34	Botswana (2005)	4.16	42.94	0.69		90	Uzbekistan (2011)	0.00	0.00	0.00	○
35	Brunei Darussalam (2010)	3.96	41.91	0.68		90	Venezuela, Bolivarian Rep. (2008)	0.00	0.00	0.00	○
36	Hong Kong (China) (2010)	3.90	41.56	0.67		90	Viet Nam (2010)	0.00	0.00	0.00	○
37	Netherlands	3.83	41.17	0.66		n/a	Argentina	n/a	n/a	n/a	
38	Hungary	3.65	40.19	0.65		n/a	Belize	n/a	n/a	n/a	
39	Greece (2007)	3.51	39.38	0.64		n/a	Benin	n/a	n/a	n/a	
40	Bulgaria	3.44	38.94	0.64		n/a	Bolivia, Plurinational St.	n/a	n/a	n/a	
41	Japan	3.40	38.71	0.63		n/a	Bosnia and Herzegovina	n/a	n/a	n/a	
42	United States of America (2010)	3.35	38.44	0.62		n/a	Colombia	n/a	n/a	n/a	
43	Italy	3.27	37.97	0.61		n/a	Côte d'Ivoire	n/a	n/a	n/a	
44	Azerbaijan (2010)	3.17	37.30	0.60		n/a	Dominican Republic	n/a	n/a	n/a	
45	Burkina Faso (2005)	3.15	37.18	0.59	●	n/a	Ecuador	n/a	n/a	n/a	
46	Saudi Arabia (2010)	2.97	36.05	0.58		n/a	Ethiopia	n/a	n/a	n/a	
47	Yemen (2007)	2.71	34.24	0.57	●	n/a	Gabon	n/a	n/a	n/a	
48	Spain	2.69	34.13	0.56		n/a	Germany	n/a	n/a	n/a	
49	Slovakia	2.69	34.07	0.55		n/a	Guatemala	n/a	n/a	n/a	
50	Armenia (2010)	2.59	33.37	0.54		n/a	Israel	n/a	n/a	n/a	
51	Portugal	2.45	32.32	0.53		n/a	Jamaica	n/a	n/a	n/a	
52	Oman (2010)	2.29	31.08	0.52		n/a	Kenya	n/a	n/a	n/a	
53	Macedonia, FYR	2.19	30.31	0.51		n/a	Kuwait	n/a	n/a	n/a	
54	Swaziland (2006)	2.14	29.89	0.50		n/a	Malawi	n/a	n/a	n/a	
55	Tajikistan (2010)	2.12	29.72	0.50		n/a	Mali	n/a	n/a	n/a	
56	Morocco	1.89	27.69	0.49		n/a	Montenegro	n/a	n/a	n/a	
57	Slovenia	1.78	26.62	0.48		n/a	Mozambique	n/a	n/a	n/a	
58	Madagascar (2010)	1.76	26.51	0.47		n/a	Nicaragua	n/a	n/a	n/a	
59	Kazakhstan (2011)	1.62	25.15	0.46		n/a	Nigeria	n/a	n/a	n/a	
60	Estonia	1.59	24.80	0.45	○	n/a	Panama	n/a	n/a	n/a	
61	Latvia (2010)	1.56	24.53	0.44		n/a	Paraguay	n/a	n/a	n/a	
62	Korea, Rep.	1.55	24.44	0.43		n/a	Peru	n/a	n/a	n/a	
63	Costa Rica (2004)	1.43	23.18	0.42		n/a	Senegal	n/a	n/a	n/a	
64	Ukraine (2010)	1.43	23.13	0.41		n/a	South Africa	n/a	n/a	n/a	
65	Togo (2007)	1.41	22.94	0.40		n/a	Sudan	n/a	n/a	n/a	
66	Belarus (2010)	1.41	22.93	0.39		n/a	Syrian Arab Rep.	n/a	n/a	n/a	
67	Egypt (2007)	1.40	22.81	0.38		n/a	Uganda	n/a	n/a	n/a	
68	Russian Federation	1.39	22.70	0.37		n/a	Uruguay	n/a	n/a	n/a	
69	Ghana (2007)	1.36	22.33	0.36		n/a	Zambia	n/a	n/a	n/a	
70	Lithuania	1.34	22.14	0.36							
71	Moldova, Rep. (2010)	1.21	20.64	0.35							
72	Romania	0.94	17.30	0.34							

SOURCE: UNESCO Institute for Statistics, *UIS online database* (2001–11)

2.2.4 Gross tertiary outbound enrolment

Gross tertiary outbound enrolment ratio (%)^a | 2009

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Cyprus	41.27	100.00	0.98	●	73	Sudan (2008)	1.02	10.76	0.48	●
1	Luxembourg	23.22	100.00	0.98	●	74	Cameroon (2010)	1.00	10.52	0.47	●
1	Iceland	11.48	100.00	0.98	●	75	Senegal (2010)	1.00	10.44	0.47	
1	Brunei Darussalam (2010)	8.99	100.00	0.98	●	76	Sri Lanka (2010)	0.99	10.40	0.46	
5	Bahrain (2008)	7.99	88.81	0.97	●	77	Bolivia, Plurinational St. (2010)	0.99	10.39	0.45	
6	Mauritius (2010)	7.39	82.10	0.96	●	78	Uzbekistan	0.95	9.95	0.45	
7	Hong Kong (China) (2010)	7.38	81.95	0.96		79	Uruguay (2010)	0.94	9.79	0.44	
8	Montenegro (2010)	7.29	80.89	0.95	●	80	Spain	0.90	9.37	0.43	
9	Albania	6.64	73.60	0.94	●	81	Tajikistan (2010)	0.81	8.37	0.42	
10	Slovakia	6.51	72.25	0.94	●	82	Panama (2010)	0.79	8.11	0.42	
11	Ireland	6.10	67.65	0.93		83	Turkey	0.74	7.63	0.41	
12	Kuwait (2008)	5.82	64.49	0.92	●	84	Gambia	0.72	7.34	0.40	
13	Greece	4.59	50.75	0.91	●	85	Kyrgyzstan (2010)	0.71	7.20	0.40	
14	Bulgaria	4.57	50.48	0.91	●	86	Ecuador (2010)	0.70	7.08	0.39	
15	Trinidad and Tobago (2010)	4.40	48.55	0.90	●	87	Syrian Arab Rep. (2010)	0.65	6.61	0.38	
16	Bosnia and Herzegovina (2010)	4.22	46.52	0.89	●	88	Australia (2010)	0.64	6.43	0.37	○
17	Norway	4.14	45.67	0.88		89	Japan (2010)	0.64	6.41	0.37	
18	Botswana	4.01	44.22	0.88	●	90	Algeria (2010)	0.62	6.21	0.36	
19	Belarus (2010)	3.91	43.07	0.87	●	91	United Kingdom	0.55	5.47	0.35	○
20	Malta	3.71	40.80	0.86		92	Chile (2010)	0.55	5.45	0.35	
21	Gabon (2010)	3.69	40.57	0.86	●	93	Lao PDR (2010)	0.54	5.38	0.34	
22	Moldova, Rep. (2010)	3.66	40.26	0.85	●	94	Peru (2010)	0.54	5.34	0.33	
23	United Arab Emirates (2008)	3.62	39.79	0.84		95	Togo	0.49	4.77	0.32	
24	Macedonia, FYR	3.55	39.08	0.83	●	96	Viet Nam (2010)	0.48	4.71	0.32	
25	Estonia	3.46	38.09	0.83		97	Colombia (2010)	0.48	4.69	0.31	
26	Namibia	3.45	37.89	0.82	●	98	El Salvador	0.48	4.65	0.30	
27	Lebanon (2010)	3.40	37.37	0.81		99	Thailand (2010)	0.48	4.64	0.29	
28	Mongolia (2010)	2.97	32.54	0.81		100	Venezuela, Bolivarian Rep.	0.46	4.50	0.29	
29	Lithuania	2.87	31.40	0.80		101	Costa Rica	0.46	4.40	0.28	
30	Nepal (2008)	2.78	30.47	0.79	●	102	China (2010)	0.43	4.11	0.27	
31	Swaziland	2.78	30.42	0.78	●	103	Benin	0.42	4.05	0.27	
32	Belize (2010)	2.57	28.06	0.78		104	Paraguay	0.42	3.97	0.26	
33	Sweden	2.45	26.77	0.77		105	Zambia	0.41	3.94	0.25	
34	Israel	2.44	26.59	0.76		106	Angola (2010)	0.41	3.88	0.24	
35	Croatia	2.43	26.46	0.76		107	Nicaragua	0.40	3.83	0.24	
36	Switzerland	2.41	26.24	0.75		108	Russian Federation	0.38	3.59	0.23	○
37	Serbia (2010)	2.35	25.66	0.74		109	Iran, Islamic Rep. (2010)	0.35	3.27	0.22	
38	Georgia (2010)	2.29	24.96	0.73		110	Yemen	0.35	3.18	0.22	
39	Austria	2.26	24.58	0.73		111	Ghana	0.34	3.08	0.21	
40	Latvia (2010)	2.26	24.55	0.72		112	Honduras	0.33	3.04	0.20	
41	Kazakhstan (2010)	2.25	24.53	0.71		113	Dominican Republic	0.33	3.01	0.19	
42	Fiji (2010)	2.25	24.50	0.71	●	114	Kenya	0.33	3.00	0.19	
43	Jamaica (2010)	2.19	23.80	0.70	●	115	Côte d'Ivoire	0.31	2.81	0.18	
44	Malaysia (2010)	2.18	23.65	0.69		116	Argentina	0.27	2.34	0.17	
45	Finland	2.16	23.52	0.68		117	Mexico	0.27	2.30	0.17	○
46	Portugal	2.08	22.57	0.68		118	Cambodia (2010)	0.25	2.15	0.16	
47	Canada	2.04	22.09	0.67		119	United States of America	0.25	2.09	0.15	○
48	Qatar (2010)	1.92	20.75	0.66		120	Rwanda (2010)	0.24	1.95	0.14	
49	Slovenia	1.90	20.60	0.65		121	Mali (2010)	0.23	1.92	0.14	
50	Germany	1.83	19.77	0.65		122	Nigeria	0.21	1.69	0.13	
51	Tunisia (2010)	1.80	19.45	0.64		123	Madagascar (2010)	0.21	1.59	0.12	
52	Armenia (2010)	1.80	19.41	0.63		124	Guatemala	0.20	1.49	0.12	
53	Lesotho	1.71	18.48	0.63	●	125	Pakistan (2010)	0.17	1.23	0.11	
54	Jordan (2010)	1.65	17.76	0.62		126	India (2010)	0.17	1.18	0.10	
55	Denmark	1.63	17.56	0.61	○	127	Burkina Faso (2010)	0.16	1.11	0.09	
56	Belgium	1.62	17.44	0.60		128	Malawi	0.16	1.06	0.09	
57	Oman (2010)	1.60	17.23	0.60		129	Brazil	0.15	1.03	0.08	○
58	Korea, Rep. (2010)	1.56	16.76	0.59		130	Indonesia (2010)	0.15	0.99	0.07	○
59	Czech Republic	1.54	16.53	0.58		131	Niger (2010)	0.15	0.99	0.06	
60	Saudi Arabia (2010)	1.41	15.03	0.58		132	Burundi (2010)	0.15	0.94	0.06	
61	New Zealand (2010)	1.40	15.00	0.57		133	Tanzania, United Rep.	0.14	0.86	0.05	
62	Romania	1.40	15.00	0.56		134	Mozambique	0.13	0.75	0.04	○
63	Morocco (2010)	1.35	14.36	0.55		135	Bangladesh (2010)	0.13	0.71	0.04	○
64	Zimbabwe (2010)	1.32	14.09	0.55		136	Egypt	0.12	0.66	0.03	○
65	France	1.32	14.02	0.54		137	South Africa	0.12	0.65	0.02	○
66	Italy	1.31	13.93	0.53		138	Uganda	0.12	0.62	0.01	○
67	Guyana (2010)	1.18	12.51	0.53		139	Philippines (2010)	0.11	0.58	0.01	○
68	Hungary	1.16	12.34	0.52		140	Ethiopia (2010)	0.06	0.00	0.00	○
69	Netherlands	1.13	11.98	0.51	○	n/a	Singapore	n/a	n/a	n/a	
70	Azerbaijan (2010)	1.10	11.56	0.50							
71	Poland	1.08	11.42	0.50							
72	Ukraine (2010)	1.03	10.79	0.49							

SOURCE: UNESCO Institute for Statistics, *UIS online database*; United Nations database *UNdata* (2008–10)

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Iceland.....	13,384.33	100.00	1.00	●	73	Viet Nam (2002).....	510.77	3.74	0.39	
2	Finland.....	10,382.21	77.55	0.99	●	74	Kyrgyzstan (2009).....	434.46	3.17	0.39	
3	Norway.....	9,237.37	68.99	0.98	●	75	Algeria (2005).....	419.75	3.06	0.38	
4	Denmark.....	8,812.03	65.81	0.97	●	76	Gabon (2009).....	359.39	2.61	0.37	
5	Portugal.....	7,059.31	52.71	0.97	●	77	Mexico (2007).....	352.88	2.56	0.36	
6	Japan.....	7,038.38	52.55	0.96		78	Colombia.....	332.91	2.41	0.35	
7	New Zealand (2007).....	7,017.19	52.39	0.95		79	Pakistan (2009).....	320.77	2.32	0.34	
8	Singapore.....	6,991.51	52.20	0.94		80	Sudan (2005).....	291.80	2.11	0.34	
9	Korea, Rep.....	6,285.88	46.93	0.93		81	Tajikistan (2009).....	253.86	1.82	0.33	
10	Switzerland.....	6,057.41	45.22	0.92		82	Cameroon.....	243.19	1.74	0.32	
11	Estonia.....	5,383.92	40.18	0.92		83	Venezuela, Bolivarian Rep. (2009).....	239.45	1.72	0.31	
12	Germany (2007).....	5,305.37	39.59	0.91		84	Sri Lanka.....	197.18	1.40	0.30	
13	Sweden.....	5,238.68	39.10	0.90		85	Ecuador.....	186.60	1.32	0.29	
14	Slovenia.....	5,016.42	37.43	0.89	●	86	Peru (2004).....	182.26	1.29	0.29	
15	Ireland.....	4,842.79	36.14	0.88		87	Indonesia (2009).....	173.30	1.22	0.28	
16	Spain.....	4,822.46	35.98	0.87	●	88	Kuwait (2009).....	151.91	1.06	0.27	
17	Luxembourg.....	4,747.57	35.42	0.87		89	Togo (2007).....	147.54	1.03	0.26	
18	United States of America (2006).....	4,663.28	34.79	0.86		90	India (2005).....	136.94	0.95	0.25	
19	France.....	4,661.60	34.78	0.85		91	Paraguay.....	136.43	0.95	0.24	
20	United Kingdom.....	4,269.18	31.85	0.84		92	Panama.....	135.92	0.94	0.24	
21	Canada (2006).....	4,260.42	31.78	0.83		93	Côte d'Ivoire (2005).....	133.01	0.92	0.23	
22	Australia (2006).....	4,224.33	31.51	0.82		94	Philippines (2007).....	129.61	0.89	0.22	
23	Czech Republic (2009).....	4,127.71	30.79	0.82		95	Benin (2007).....	123.27	0.85	0.21	
24	Austria.....	4,123.30	30.76	0.81		96	Bolivia, Plurinational St. (2002).....	120.07	0.82	0.20	
25	Lithuania.....	4,023.45	30.01	0.80		97	Nigeria (2007).....	119.93	0.82	0.19	
26	Slovakia (2009).....	4,004.43	29.87	0.79		98	Nepal (2002).....	117.36	0.80	0.18	
27	Belgium.....	3,435.42	25.61	0.78		99	Lesotho (2009).....	106.55	0.72	0.18	
28	Hungary.....	3,366.53	25.10	0.77		100	Gambia (2009).....	106.44	0.72	0.17	
29	Hong Kong (China) (2009).....	3,293.37	24.55	0.76		101	Kenya (2007).....	93.61	0.63	0.16	
30	Latvia.....	3,278.89	24.44	0.76		102	Madagascar (2009).....	90.29	0.60	0.15	
31	Tunisia.....	3,239.77	24.15	0.75	●	103	Honduras (2003).....	81.55	0.54	0.14	
32	Netherlands.....	3,088.89	23.02	0.74		104	El Salvador (2009).....	73.86	0.48	0.13	
33	Croatia.....	2,696.69	20.09	0.73		105	Burkina Faso (2010).....	69.47	0.45	0.13	
34	Malta.....	2,638.03	19.65	0.72		106	Tanzania, United Rep. (2007).....	67.08	0.43	0.12	
35	Russian Federation (2009).....	2,580.92	19.22	0.71		107	Malawi (2007).....	62.55	0.39	0.11	
36	Poland.....	2,550.44	19.00	0.71		108	Nicaragua (2004).....	60.87	0.38	0.10	
37	Italy.....	2,431.45	18.11	0.70		109	Cambodia (2002).....	57.92	0.36	0.09	
38	Belarus (2009).....	2,134.80	15.89	0.69		110	Rwanda (2009).....	54.70	0.33	0.08	
39	Jordan.....	1,933.68	14.38	0.68		111	Malawi (2007).....	53.94	0.33	0.08	
40	Greece (2007).....	1,873.46	13.93	0.67		112	Uganda (2009).....	52.61	0.32	0.07	○
41	Georgia (2005).....	1,811.93	13.47	0.66		113	Guatemala.....	51.86	0.31	0.06	○
42	Armenia (2009).....	1,796.45	13.36	0.66		114	Zambia.....	49.44	0.30	0.05	○
43	Bulgaria.....	1,767.28	13.14	0.65		115	Saudi Arabia (2009).....	47.41	0.28	0.04	○
44	Ukraine (2009).....	1,665.69	12.38	0.64		116	Lao PDR (2002).....	38.02	0.21	0.03	○
45	Argentina.....	1,609.67	11.96	0.63		117	Ethiopia (2007).....	30.58	0.15	0.03	
46	Turkey (2009).....	1,592.79	11.84	0.62		118	Ghana (2007).....	28.00	0.14	0.02	○
47	Iran, Islamic Rep.....	1,491.37	11.08	0.61	●	119	Mozambique (2007).....	23.93	0.10	0.01	○
48	Cyprus.....	1,453.11	10.79	0.61		120	Niger (2005).....	9.93	0.00	0.00	○
49	Romania.....	1,429.58	10.61	0.60		n/a	Angola.....	n/a	n/a	n/a	
50	Serbia (2009).....	1,218.71	9.04	0.59		n/a	Bahrain.....	n/a	n/a	n/a	
51	Azerbaijan (2009).....	1,217.77	9.03	0.58		n/a	Bangladesh.....	n/a	n/a	n/a	
52	Brazil.....	1,100.10	8.15	0.57		n/a	Belize.....	n/a	n/a	n/a	
53	China (2007).....	1,070.94	7.93	0.56		n/a	Burundi.....	n/a	n/a	n/a	
54	Montenegro (2007).....	1,068.54	7.92	0.55		n/a	Dominican Republic.....	n/a	n/a	n/a	
55	Egypt (2009).....	1,017.53	7.53	0.55		n/a	Fiji.....	n/a	n/a	n/a	
56	Macedonia, FYR.....	1,001.69	7.42	0.54		n/a	Guyana.....	n/a	n/a	n/a	
57	Moldova, Rep. (2009).....	988.38	7.32	0.53		n/a	Israel.....	n/a	n/a	n/a	
58	Morocco.....	934.69	6.91	0.52		n/a	Jamaica.....	n/a	n/a	n/a	
59	Botswana (2005).....	923.40	6.83	0.51		n/a	Lebanon.....	n/a	n/a	n/a	
60	South Africa (2007).....	820.68	6.06	0.50		n/a	Mauritius.....	n/a	n/a	n/a	
61	Bosnia and Herzegovina (2007).....	781.42	5.77	0.50		n/a	Namibia.....	n/a	n/a	n/a	
62	Costa Rica.....	755.40	5.57	0.49		n/a	Oman.....	n/a	n/a	n/a	
63	Malaysia (2006).....	715.44	5.28	0.48		n/a	Qatar.....	n/a	n/a	n/a	
64	Brunei Darussalam (2004).....	685.50	5.05	0.47		n/a	Swaziland.....	n/a	n/a	n/a	
65	Senegal.....	666.74	4.91	0.46		n/a	Syrian Arab Rep.....	n/a	n/a	n/a	
66	Mongolia (2009).....	644.62	4.75	0.45		n/a	United Arab Emirates.....	n/a	n/a	n/a	
67	Uruguay.....	643.46	4.74	0.45		n/a	Uzbekistan.....	n/a	n/a	n/a	
68	Kazakhstan (2009).....	637.27	4.69	0.44		n/a	Yemen.....	n/a	n/a	n/a	
69	Chile.....	630.05	4.64	0.43		n/a	Zimbabwe.....	n/a	n/a	n/a	
70	Thailand (2007).....	574.99	4.22	0.42							
71	Trinidad and Tobago.....	556.71	4.09	0.41							
72	Albania.....	540.96	3.97	0.40							

SOURCE: UNESCO Institute for Statistics, *UIS online database*; World Bank *World Development Indicators* database (2002–10)

2.3.2 Gross expenditure on R&D (GERD)

GERD: Gross expenditure on R&D (% of GDP) | 2009

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Israel	4.27	100.00	1.00	●	73	Armenia	0.27	5.92	0.36	
2	Finland (2010)	3.84	89.85	0.99	●	74	Ecuador (2008)	0.26	5.60	0.35	
3	Sweden	3.62	84.71	0.98	●	75	Azerbaijan	0.26	5.54	0.35	
4	Japan (2008)	3.45	80.53	0.97	●	76	Mali (2007)	0.25	5.35	0.34	
5	Korea, Rep. (2008)	3.36	78.54	0.96	●	77	Mongolia	0.24	5.20	0.33	
6	Denmark	3.02	70.51	0.96		78	Ghana (2007)	0.23	4.94	0.32	
7	Switzerland (2008)	3.00	69.94	0.95		79	Kazakhstan	0.23	4.89	0.31	
8	Germany	2.82	65.88	0.94	●	80	Macedonia, FYR (2008)	0.23	4.79	0.30	
9	United States of America (2008)	2.79	65.00	0.93		81	Nigeria (2007)	0.22	4.66	0.29	
10	Austria (2010)	2.75	64.13	0.92		82	Thailand (2007)	0.21	4.52	0.28	
11	Singapore (2008)	2.66	62.06	0.91		83	Egypt	0.21	4.46	0.27	
12	Iceland (2008)	2.64	61.61	0.90		84	Mozambique (2007)	0.21	4.33	0.27	
13	Australia (2008)	2.35	54.71	0.89		85	Burkina Faso	0.21	4.33	0.26	
14	France	2.23	51.88	0.88		86	Panama	0.21	4.32	0.25	
15	Belgium	1.96	45.63	0.88		87	Viet Nam (2002)	0.19	4.03	0.24	
16	Canada	1.95	45.47	0.87		88	Georgia (2005)	0.18	3.65	0.23	
17	Slovenia	1.86	43.16	0.86		89	Ethiopia (2007)	0.17	3.55	0.22	
18	Netherlands	1.84	42.84	0.85		90	Colombia	0.16	3.25	0.21	
19	United Kingdom (2010)	1.82	42.40	0.84		91	Kyrgyzstan	0.16	3.24	0.20	
20	Norway	1.80	41.81	0.83		92	Albania (2008)	0.15	3.10	0.19	
21	Ireland	1.77	41.03	0.82		93	Peru (2004)	0.15	3.01	0.19	
22	Luxembourg	1.68	38.98	0.81		94	Madagascar	0.15	2.97	0.18	
23	Portugal	1.66	38.43	0.81		95	Sri Lanka (2008)	0.11	2.19	0.17	
24	Czech Republic	1.53	35.40	0.80		96	Philippines (2007)	0.11	2.07	0.16	
25	China (2008)	1.47	34.07	0.79		97	El Salvador (2008)	0.11	2.06	0.15	
26	Estonia	1.44	33.30	0.78		98	Kuwait	0.11	2.05	0.14	
27	Spain	1.38	32.04	0.77		99	Tajikistan	0.09	1.51	0.13	
28	Italy	1.27	29.33	0.76		100	Saudi Arabia	0.08	1.48	0.12	○
29	Russian Federation	1.25	28.96	0.75		101	Indonesia	0.08	1.46	0.12	
30	New Zealand (2007)	1.17	27.11	0.74		102	Algeria (2005)	0.07	1.06	0.11	
31	Montenegro (2007)	1.15	26.52	0.73		103	Guatemala (2008)	0.06	0.95	0.10	
32	Hungary	1.15	26.50	0.73		104	Jamaica (2002)	0.06	0.93	0.09	○
33	Tunisia	1.10	25.47	0.72		105	Paraguay (2008)	0.06	0.91	0.08	○
34	Brazil (2008)	1.08	24.92	0.71		106	Cambodia (2002)	0.05	0.67	0.07	
35	South Africa (2008)	0.93	21.26	0.70		107	Nicaragua (2002)	0.05	0.56	0.06	○
36	Serbia	0.89	20.34	0.69		108	Trinidad and Tobago (2008)	0.04	0.49	0.05	○
37	Ukraine	0.86	19.64	0.68		109	Honduras (2004)	0.04	0.47	0.04	○
38	Turkey	0.85	19.46	0.67		110	Brunei Darussalam (2004)	0.04	0.37	0.04	○
39	Lithuania	0.84	19.15	0.66		111	Lao PDR (2002)	0.04	0.33	0.03	○
40	Croatia	0.83	19.10	0.65		112	Lesotho	0.03	0.19	0.02	○
41	Hong Kong (China)	0.79	18.10	0.65		113	Bosnia and Herzegovina	0.02	0.01	0.01	○
42	Iran, Islamic Rep. (2008)	0.79	18.03	0.64	●	114	Gambia	0.02	0.00	0.00	○
43	India (2007)	0.76	17.31	0.63		n/a	Angola	n/a	n/a	n/a	
44	Poland	0.68	15.37	0.62		n/a	Bahrain	n/a	n/a	n/a	
45	Uruguay (2008)	0.66	15.05	0.61		n/a	Bangladesh	n/a	n/a	n/a	
46	Belarus	0.64	14.60	0.60		n/a	Belize	n/a	n/a	n/a	
47	Gabon	0.64	14.51	0.59		n/a	Benin	n/a	n/a	n/a	
48	Morocco (2006)	0.64	14.45	0.58		n/a	Burundi	n/a	n/a	n/a	
49	Malaysia (2006)	0.63	14.43	0.58		n/a	Cameroon	n/a	n/a	n/a	
50	Greece (2007)	0.58	13.08	0.57		n/a	Côte d'Ivoire	n/a	n/a	n/a	
51	Malta	0.55	12.49	0.56		n/a	Dominican Republic	n/a	n/a	n/a	
52	Bulgaria	0.53	11.92	0.55		n/a	Fiji	n/a	n/a	n/a	
53	Moldova, Rep.	0.53	11.86	0.54		n/a	Guyana	n/a	n/a	n/a	
54	Argentina (2008)	0.52	11.81	0.53		n/a	Lebanon	n/a	n/a	n/a	
55	Botswana (2005)	0.52	11.63	0.52		n/a	Malawi	n/a	n/a	n/a	
56	Slovakia	0.48	10.79	0.51		n/a	Namibia	n/a	n/a	n/a	
57	Romania	0.48	10.78	0.50		n/a	Nepal	n/a	n/a	n/a	
58	Pakistan	0.46	10.41	0.50		n/a	Niger	n/a	n/a	n/a	
59	Cyprus	0.46	10.31	0.49		n/a	Oman	n/a	n/a	n/a	
60	Latvia	0.46	10.26	0.48		n/a	Qatar	n/a	n/a	n/a	
61	Tanzania, United Rep. (2007)	0.43	9.71	0.47		n/a	Rwanda	n/a	n/a	n/a	
62	Jordan (2008)	0.42	9.39	0.46		n/a	Swaziland	n/a	n/a	n/a	
63	Kenya (2007)	0.42	9.32	0.45		n/a	Syrian Arab Rep.	n/a	n/a	n/a	
64	Uganda	0.41	9.18	0.44		n/a	Togo	n/a	n/a	n/a	
65	Costa Rica (2008)	0.40	8.92	0.43		n/a	United Arab Emirates	n/a	n/a	n/a	
66	Chile (2008)	0.39	8.77	0.42		n/a	Uzbekistan	n/a	n/a	n/a	
67	Mauritius (2005)	0.37	8.25	0.42		n/a	Venezuela, Bolivarian Rep.	n/a	n/a	n/a	
68	Senegal (2008)	0.37	8.22	0.41		n/a	Yemen	n/a	n/a	n/a	
69	Mexico (2007)	0.37	8.20	0.40		n/a	Zimbabwe	n/a	n/a	n/a	
70	Zambia (2008)	0.34	7.50	0.39							
71	Sudan (2005)	0.29	6.29	0.38							
72	Bolivia, Plurinational St. (2002)	0.28	6.00	0.37							

SOURCE: UNESCO Institute for Statistics, *UIS online database*; World Bank *World Development Indicators* database (2002–10)

2.3.3 Quality of scientific research institutions

Average answer to the question: How would you assess the quality of scientific research institutions in your country?
1 = very poor; 7 = the best in their field internationally[†] | 2011

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Israel	6.32	88.64	1.00	●	73	Gambia	3.48	41.33	0.45	
2	Switzerland	6.27	87.80	0.99	●	74	Mauritius	3.47	41.21	0.45	
3	United Kingdom	6.12	85.31	0.98	●	75	Bulgaria	3.41	40.21	0.44	
4	Sweden	5.98	83.04	0.98		76	Pakistan	3.41	40.16	0.43	
5	Belgium	5.86	80.94	0.97	●	77	Rwanda	3.39	39.85	0.42	
6	Qatar	5.83	80.55	0.96	●	78	Botswana	3.38	39.74	0.42	
7	United States of America	5.83	80.45	0.95		79	Benin	3.36	39.36	0.41	
8	Netherlands	5.68	78.01	0.95		80	Namibia	3.36	39.32	0.40	
9	Canada	5.61	76.81	0.94		81	Trinidad and Tobago	3.35	39.16	0.39	
10	Germany	5.59	76.58	0.93		82	Brunei Darussalam	3.35	39.15	0.39	
11	Japan	5.54	75.75	0.92		83	Macedonia, FYR	3.32	38.71	0.38	
12	Singapore	5.53	75.53	0.92		84	Azerbaijan	3.31	38.55	0.37	
13	Australia	5.48	74.68	0.91		85	Cambodia	3.31	38.54	0.36	
14	Denmark	5.36	72.70	0.90		86	Turkey	3.31	38.50	0.36	
15	France	5.35	72.47	0.89		87	Greece	3.29	38.20	0.35	
16	Ireland	5.29	71.51	0.89		88	Romania	3.25	37.43	0.34	
17	New Zealand	5.24	70.65	0.88		89	Nigeria	3.24	37.31	0.33	
18	Finland	5.22	70.37	0.87		90	Ethiopia	3.24	37.30	0.33	
19	Hungary	5.18	69.72	0.86		91	Uganda	3.24	37.29	0.32	
20	Austria	5.18	69.70	0.86		92	Cameroon	3.24	37.27	0.31	
21	Iceland	5.11	68.53	0.85		93	Morocco	3.23	37.19	0.30	
22	Portugal	4.93	65.50	0.84		94	Slovakia	3.23	37.19	0.30	
23	Malaysia	4.86	64.39	0.83		95	Bosnia and Herzegovina	3.22	37.02	0.29	
24	Korea, Rep.	4.82	63.62	0.83		96	Tajikistan	3.19	36.48	0.28	
25	Czech Republic	4.82	63.61	0.82		97	Guyana	3.15	35.80	0.27	
26	Estonia	4.80	63.28	0.81		98	Mozambique	3.14	35.62	0.27	
27	Norway	4.73	62.11	0.80		99	Bahrain	3.12	35.39	0.26	
28	Luxembourg	4.70	61.63	0.80		100	Guatemala	3.12	35.29	0.25	
29	South Africa	4.67	61.12	0.79		101	Jordan	3.04	34.00	0.24	
30	Costa Rica	4.64	60.59	0.78		102	Zimbabwe	3.02	33.60	0.23	
31	Hong Kong (China)	4.62	60.27	0.77		103	Philippines	3.01	33.53	0.23	
32	Slovenia	4.60	60.04	0.77		104	Armenia	2.97	32.83	0.22	
33	India	4.51	58.54	0.76		105	Bolivia, Plurinational St.	2.97	32.76	0.21	
34	Saudi Arabia	4.46	57.68	0.75		106	Peru	2.88	31.30	0.20	
35	Lithuania	4.40	56.63	0.74		107	Mongolia	2.87	31.20	0.20	
36	China	4.31	55.20	0.73		108	Honduras	2.86	30.92	0.19	
37	Spain	4.25	54.20	0.73		109	Venezuela, Bolivarian Rep.	2.82	30.27	0.18	
38	United Arab Emirates	4.23	53.79	0.72		110	Egypt	2.81	30.14	0.17	
39	Argentina	4.22	53.68	0.71		111	Côte d'Ivoire	2.79	29.81	0.17	
40	Brazil	4.14	52.28	0.70		112	Bangladesh	2.75	29.14	0.16	
41	Senegal	4.13	52.19	0.70		113	Madagascar	2.73	28.86	0.15	
42	Poland	4.11	51.85	0.69		114	Georgia	2.72	28.75	0.14	○
43	Montenegro	4.11	51.82	0.68		115	Ecuador	2.71	28.44	0.14	
44	Cyprus	4.11	51.76	0.67		116	Kazakhstan	2.68	28.04	0.13	○
45	Croatia	4.05	50.90	0.67		117	Moldova, Rep.	2.67	27.78	0.12	○
46	Iran, Islamic Rep.	4.05	50.78	0.66	●	118	Dominican Republic	2.65	27.53	0.11	○
47	Sri Lanka	4.04	50.70	0.65		119	Syrian Arab Rep.	2.62	26.95	0.11	
48	Chile	4.03	50.45	0.64		120	Algeria	2.49	24.79	0.10	
49	Tunisia	4.02	50.31	0.64		121	Lebanon	2.41	23.58	0.09	○
50	Kenya	4.01	50.13	0.63		122	Belize	2.38	23.05	0.08	○
51	Mexico	3.95	49.20	0.62		123	Burundi	2.34	22.38	0.08	
52	Indonesia	3.94	48.93	0.61		124	Lesotho	2.31	21.84	0.07	
53	Latvia	3.94	48.93	0.61		125	Nicaragua	2.29	21.42	0.06	○
54	Italy	3.91	48.42	0.60		126	El Salvador	2.18	19.62	0.05	○
55	Uruguay	3.90	48.36	0.59		127	Albania	2.18	19.59	0.05	○
56	Thailand	3.86	47.69	0.58		128	Swaziland	2.17	19.51	0.04	○
57	Russian Federation	3.84	47.36	0.58		129	Nepal	2.11	18.42	0.03	○
58	Serbia	3.81	46.76	0.57		130	Paraguay	2.06	17.67	0.02	○
59	Oman	3.75	45.87	0.56		131	Kyrgyzstan	1.99	16.45	0.02	○
60	Jamaica	3.73	45.55	0.55		132	Yemen	1.68	11.29	0.01	○
61	Mali	3.71	45.08	0.55	●	133	Angola	1.57	9.43	0.00	○
62	Burkina Faso	3.70	44.92	0.54	●	n/a	Belarus	n/a	n/a	n/a	
63	Malawi	3.67	44.52	0.53		n/a	Fiji	n/a	n/a	n/a	
64	Tanzania, United Rep.	3.67	44.48	0.52		n/a	Gabon	n/a	n/a	n/a	
65	Ghana	3.67	44.47	0.52		n/a	Lao PDR	n/a	n/a	n/a	
66	Colombia	3.65	44.15	0.51		n/a	Niger	n/a	n/a	n/a	
67	Panama	3.64	43.96	0.50		n/a	Sudan	n/a	n/a	n/a	
68	Zambia	3.62	43.59	0.49		n/a	Togo	n/a	n/a	n/a	
69	Ukraine	3.61	43.42	0.48		n/a	Uzbekistan	n/a	n/a	n/a	
70	Malta	3.59	43.16	0.48	○						
71	Viet Nam	3.55	42.47	0.47							
72	Kuwait	3.51	41.91	0.46							

SOURCE: World Economic Forum, Executive Opinion Survey 2010–2011

3.1.1

ICT access

ICT access index* | 2010

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Hong Kong (China)	9.06	90.60	1.00	●	73	Egypt	4.07	40.68	0.48	
2	Iceland	8.91	89.08	0.99	●	74	Morocco	4.05	40.49	0.47	
3	Luxembourg	8.80	88.05	0.99	●	75	Syrian Arab Rep.	3.96	39.62	0.46	●
4	Switzerland	8.70	86.96	0.98		76	Mexico	3.94	39.39	0.46	
5	Sweden	8.57	85.73	0.97		77	Albania	3.93	39.32	0.45	
6	Germany	8.41	84.11	0.96	●	78	Colombia	3.91	39.12	0.44	
7	United Kingdom	8.36	83.62	0.96		79	Lebanon	3.89	38.88	0.43	
8	Denmark	8.33	83.32	0.95		80	China	3.86	38.64	0.43	
9	Netherlands	8.29	82.92	0.94		81	Venezuela, Bolivarian Rep.	3.83	38.29	0.42	
10	Korea, Rep.	8.21	82.13	0.93		82	Ecuador	3.80	38.01	0.41	
11	Singapore	8.14	81.41	0.93		83	Jamaica	3.80	38.00	0.41	
12	Norway	7.88	78.84	0.92		84	Thailand	3.62	36.25	0.40	
13	France	7.75	77.55	0.91	●	85	Peru	3.62	36.16	0.39	
14	Austria	7.68	76.78	0.91		86	Mongolia	3.60	36.03	0.38	
15	Malta	7.64	76.38	0.90		87	Tunisia	3.60	35.97	0.38	
16	Finland	7.61	76.11	0.89		88	Georgia	3.56	35.57	0.37	
17	Belgium	7.54	75.38	0.88		89	El Salvador	3.53	35.31	0.36	
18	New Zealand	7.53	75.34	0.88		90	Honduras	3.45	34.47	0.36	
19	Ireland	7.45	74.46	0.87		91	Guatemala	3.44	34.40	0.35	
20	Canada	7.43	74.32	0.86		92	Algeria	3.34	33.37	0.34	
21	Israel	7.30	73.05	0.86		93	Gabon	3.26	32.60	0.33	
22	United States of America	7.24	72.41	0.85		94	South Africa	3.15	31.53	0.33	
23	Australia	7.22	72.17	0.84		95	Sri Lanka	3.15	31.52	0.32	
24	Slovenia	7.21	72.13	0.83		96	Philippines	3.14	31.38	0.31	
25	Portugal	7.14	71.42	0.83		97	Indonesia	3.13	31.28	0.30	
26	Japan	7.14	71.41	0.82		98	Botswana	3.12	31.19	0.30	
27	Qatar	7.09	70.89	0.81		99	Dominican Republic	3.12	31.18	0.29	
28	Croatia	7.05	70.49	0.80	●	100	Guyana	3.11	31.08	0.28	
29	Spain	6.98	69.80	0.80		101	Paraguay	3.03	30.25	0.28	
30	Italy	6.93	69.29	0.79		102	Bolivia, Plurinational St.	2.84	28.40	0.27	
31	Estonia	6.91	69.11	0.78		103	Namibia	2.69	26.94	0.26	
32	United Arab Emirates	6.76	67.57	0.78		104	Nicaragua	2.53	25.32	0.25	
33	Bahrain	6.73	67.29	0.77		105	Cambodia	2.45	24.52	0.25	
34	Brunei Darussalam	6.51	65.12	0.76		106	Pakistan	2.40	23.97	0.24	
35	Poland	6.49	64.87	0.75		107	Kyrgyzstan	2.38	23.77	0.23	
36	Czech Republic	6.48	64.84	0.75		108	India	2.37	23.68	0.22	
37	Lithuania	6.48	64.77	0.74		109	Côte d'Ivoire	2.36	23.62	0.22	
38	Russian Federation	6.38	63.85	0.73		110	Gambia	2.33	23.33	0.21	
39	Greece	6.37	63.74	0.72		111	Senegal	2.28	22.83	0.20	
40	Saudi Arabia	6.37	63.74	0.72		112	Ghana	2.23	22.27	0.20	
41	Hungary	6.34	63.38	0.71		113	Benin	2.22	22.20	0.19	
42	Serbia	6.32	63.23	0.70		114	Lao PDR	2.21	22.12	0.18	
43	Slovakia	6.16	61.61	0.70		115	Kenya	2.17	21.68	0.17	
44	Cyprus	6.13	61.32	0.69		116	Swaziland	2.11	21.09	0.17	
45	Latvia	6.03	60.27	0.68		117	Uzbekistan	2.08	20.85	0.16	
46	Bulgaria	5.77	57.70	0.67		118	Togo	2.00	20.03	0.15	
47	Uruguay	5.75	57.53	0.67		119	Yemen	1.93	19.29	0.14	
48	Belarus	5.67	56.69	0.66		120	Bangladesh	1.91	19.13	0.14	
49	Macedonia, FYR	5.57	55.71	0.65		121	Tajikistan (2008)	1.90	19.00	0.13	
50	Montenegro	5.55	55.47	0.64		122	Madagascar	1.89	18.93	0.12	
51	Romania	5.50	55.04	0.64		123	Sudan (2008)	1.89	18.87	0.12	
52	Trinidad and Tobago	5.32	53.16	0.63		124	Nigeria	1.87	18.72	0.11	
53	Argentina	5.26	52.56	0.62		125	Zimbabwe	1.86	18.58	0.10	
54	Chile	5.17	51.70	0.62		126	Angola	1.86	18.56	0.09	
55	Moldova, Rep.	5.17	51.67	0.61		127	Mali	1.84	18.40	0.09	
56	Oman	5.00	49.99	0.60		128	Burkina Faso	1.76	17.62	0.08	
57	Turkey	4.97	49.74	0.59		129	Nepal	1.75	17.53	0.07	
58	Ukraine	4.79	47.86	0.59		130	Mozambique	1.67	16.71	0.07	
59	Panama	4.75	47.46	0.58		131	Tanzania, United Rep.	1.64	16.45	0.06	
60	Malaysia	4.70	46.99	0.57		132	Cameroon	1.64	16.43	0.05	○
61	Mauritius	4.65	46.51	0.57		133	Rwanda	1.61	16.08	0.04	
62	Brazil	4.62	46.21	0.56		134	Uganda	1.58	15.79	0.04	○
63	Kazakhstan	4.61	46.15	0.55		135	Niger	1.55	15.54	0.03	
64	Costa Rica	4.60	45.98	0.54		136	Zambia	1.54	15.43	0.02	○
65	Iran, Islamic Rep.	4.60	45.96	0.54		137	Ethiopia	1.53	15.25	0.01	○
66	Kuwait (2008)	4.50	44.99	0.53		138	Malawi (2008)	1.44	14.40	0.01	○
67	Viet Nam	4.39	43.92	0.52		139	Lesotho (2008)	1.40	14.03	0.00	○
68	Bosnia and Herzegovina	4.35	43.52	0.51		n/a	Belize	n/a	n/a	n/a	
69	Jordan	4.32	43.16	0.51		n/a	Burundi	n/a	n/a	n/a	
70	Azerbaijan	4.28	42.83	0.50							
71	Fiji	4.09	40.88	0.49							
72	Armenia	4.07	40.68	0.49							

SOURCE: International Telecommunication Union, *Measuring the Information Society 2011*, ICT Development Index 2011 (2008–10)

3.1.2 ICT use

ICT use index* | 2010

347

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Korea, Rep.	7.85	78.50	1.00	●	73	Peru	1.56	15.55	0.48	
2	Sweden	7.55	75.49	0.99	●	74	Armenia	1.55	15.54	0.47	
3	Luxembourg	7.24	72.41	0.99	●	75	Azerbaijan	1.53	15.31	0.46	
4	Finland	7.11	71.08	0.98		76	Jordan	1.52	15.23	0.46	
5	Japan	7.08	70.83	0.97		77	Tunisia	1.52	15.16	0.45	
6	Denmark	6.85	68.49	0.96		78	Philippines	1.49	14.88	0.44	
7	Norway	6.60	66.00	0.96		79	Kazakhstan	1.44	14.35	0.43	
8	Iceland	6.58	65.83	0.95		80	Jamaica	1.37	13.67	0.43	
9	Australia	6.57	65.71	0.94	●	81	Ukraine	1.35	13.55	0.42	
10	Hong Kong (China)	6.46	64.64	0.93		82	Lebanon	1.29	12.95	0.41	
11	United Kingdom	6.44	64.36	0.93		83	Kuwait (2008)	1.29	12.85	0.41	
12	Netherlands	6.38	63.85	0.92		84	Egypt	1.20	12.03	0.40	
13	Switzerland	6.37	63.72	0.91		85	Ecuador	1.16	11.64	0.39	
14	New Zealand	6.35	63.51	0.91		86	Guyana	1.08	10.84	0.38	
15	Singapore	6.03	60.25	0.90		87	Thailand	1.05	10.48	0.38	
16	Austria	5.99	59.90	0.89		88	Kenya	1.05	10.48	0.37	
17	United States of America	5.89	58.92	0.88		89	Nigeria	1.05	10.45	0.36	
18	France	5.74	57.44	0.88		90	South Africa	1.04	10.45	0.36	
19	Israel	5.71	57.05	0.87		91	Paraguay	0.95	9.55	0.35	
20	Germany	5.69	56.92	0.86		92	Mongolia	0.86	8.61	0.34	
21	Spain	5.35	53.46	0.86		93	El Salvador	0.82	8.22	0.33	
22	Portugal	5.19	51.94	0.85		94	Kyrgyzstan	0.82	8.20	0.33	
23	Ireland	5.17	51.68	0.84		95	Uzbekistan	0.81	8.14	0.32	
24	Belgium	5.16	51.56	0.83		96	Sri Lanka	0.77	7.75	0.31	
25	United Arab Emirates	5.12	51.22	0.83		97	Bolivia, Plurinational St.	0.77	7.67	0.30	
26	Italy	4.99	49.95	0.82		98	Syrian Arab Rep.	0.75	7.49	0.30	
27	Canada	4.87	48.65	0.81		99	Indonesia	0.69	6.91	0.29	
28	Cyprus	4.78	47.83	0.80		100	Senegal	0.65	6.55	0.28	
29	Slovenia	4.78	47.76	0.80		101	Fiji	0.64	6.44	0.28	
30	Malta	4.66	46.59	0.79		102	Pakistan	0.60	5.97	0.27	
31	Greece	4.52	45.22	0.78		103	Guatemala	0.57	5.74	0.26	
32	Slovakia	4.44	44.36	0.78		104	Honduras	0.56	5.63	0.25	
33	Croatia	4.33	43.31	0.77		105	Algeria	0.56	5.57	0.25	
34	Latvia	4.26	42.61	0.76		106	Angola	0.53	5.27	0.24	
35	Hungary	4.26	42.57	0.75		107	Namibia	0.49	4.89	0.23	
36	Estonia	4.09	40.88	0.75		108	Nicaragua	0.48	4.79	0.22	
37	Czech Republic	4.03	40.29	0.74		109	Iran, Islamic Rep.	0.47	4.70	0.22	
38	Brunei Darussalam	4.01	40.10	0.73		110	Botswana	0.44	4.44	0.21	
39	Lithuania	3.97	39.73	0.72		111	Uganda	0.44	4.40	0.20	
40	Poland	3.84	38.38	0.72		112	Tanzania, United Rep.	0.44	4.38	0.20	
41	Qatar	3.75	37.53	0.71		113	Zimbabwe	0.42	4.22	0.19	
42	Saudi Arabia	3.59	35.91	0.70		114	Yemen	0.38	3.80	0.18	
43	Montenegro	3.46	34.57	0.70		115	Sudan (2008)	0.36	3.57	0.17	
44	Bahrain	3.22	32.17	0.69		116	Cambodia	0.35	3.53	0.17	
45	Romania	3.20	31.97	0.68		117	India	0.33	3.28	0.16	
46	Bulgaria	3.17	31.70	0.67		118	Gambia	0.32	3.24	0.15	
47	Malaysia	3.15	31.52	0.67		119	Tajikistan (2008)	0.32	3.20	0.14	
48	Macedonia, FYR	3.11	31.14	0.66		120	Ghana	0.32	3.18	0.14	
49	Bosnia and Herzegovina	2.67	26.65	0.65		121	Rwanda	0.30	3.01	0.13	
50	Russian Federation	2.62	26.20	0.64		122	Swaziland	0.27	2.75	0.12	
51	Oman	2.55	25.47	0.64		123	Lao PDR	0.26	2.57	0.12	
52	Serbia	2.47	24.68	0.63		124	Gabon	0.25	2.55	0.11	
53	Turkey	2.46	24.60	0.62		125	Nepal	0.25	2.48	0.10	
54	Belarus	2.41	24.07	0.62		126	Zambia	0.23	2.29	0.09	
55	Chile	2.31	23.13	0.61		127	Mozambique	0.19	1.92	0.09	
56	Uruguay	2.26	22.64	0.60		128	Togo	0.18	1.84	0.08	
57	Moldova, Rep.	2.26	22.60	0.59		129	Cameroon	0.16	1.64	0.07	○
58	Trinidad and Tobago	2.22	22.15	0.59		130	Bangladesh	0.13	1.32	0.07	○
59	Venezuela, Bolivarian Rep.	2.18	21.77	0.58		131	Mali	0.13	1.28	0.06	
60	Argentina	2.16	21.55	0.57		132	Benin	0.12	1.21	0.05	○
61	Brazil	2.11	21.07	0.57		133	Lesotho (2008)	0.12	1.20	0.04	○
62	Morocco	2.05	20.52	0.56		134	Côte d'Ivoire	0.09	0.89	0.04	○
63	Panama	1.97	19.70	0.55		135	Madagascar	0.09	0.86	0.03	○
64	Mauritius	1.91	19.14	0.54		136	Malawi (2008)	0.07	0.72	0.02	○
65	Mexico	1.86	18.63	0.54		137	Burkina Faso	0.05	0.51	0.01	○
66	Georgia	1.81	18.09	0.53		138	Ethiopia	0.03	0.34	0.01	○
67	Costa Rica	1.74	17.41	0.52		139	Niger	0.03	0.29	0.00	○
68	China	1.73	17.30	0.51		n/a	Belize	n/a	n/a	n/a	
69	Colombia	1.71	17.15	0.51		n/a	Burundi	n/a	n/a	n/a	
70	Albania	1.69	16.89	0.50							
71	Dominican Republic	1.59	15.93	0.49							
72	Viet Nam	1.57	15.72	0.49							

SOURCE: International Telecommunication Union, *Measuring the Information Society 2011*, ICT Development Index 2011 (2008–10)

3.1.3 Government's online service

Government's online service index* | 2011

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Korea, Rep.	1.00	100.00	0.99	●	73	Trinidad and Tobago	0.48	48.37	0.47	
1	Singapore	1.00	100.00	0.99	●	73	Venezuela, Bolivarian Rep.	0.48	48.37	0.47	
1	United States of America	1.00	100.00	0.99	●	75	Lebanon	0.48	47.71	0.46	
4	United Kingdom	0.97	97.39	0.98	●	75	Tunisia	0.48	47.71	0.46	
5	Netherlands	0.96	96.08	0.97	●	77	Ethiopia	0.47	47.06	0.45	
6	Canada	0.89	88.89	0.96	●	78	Guatemala	0.46	46.41	0.43	
7	Finland	0.88	88.24	0.96		78	Panama	0.46	46.41	0.43	
8	France	0.88	87.58	0.95	●	78	Turkey	0.46	46.41	0.43	
9	Australia	0.86	86.27	0.92		81	Ecuador	0.46	45.75	0.41	
9	Bahrain	0.86	86.27	0.92	●	81	Paraguay	0.46	45.75	0.41	
9	Japan	0.86	86.27	0.92		81	South Africa	0.46	45.75	0.41	
9	United Arab Emirates	0.86	86.27	0.92	●	84	Macedonia, FYR	0.45	45.10	0.40	
13	Denmark	0.86	85.62	0.91		85	Bangladesh	0.44	44.44	0.40	
13	Norway	0.86	85.62	0.91		86	Kenya	0.43	43.14	0.38	
15	Israel	0.85	84.97	0.90		86	Mauritius	0.43	43.14	0.38	
16	Colombia	0.84	84.31	0.88	●	88	Albania	0.42	42.48	0.35	
16	Sweden	0.84	84.31	0.88		88	Kyrgyzstan	0.42	42.48	0.35	
18	Estonia	0.82	82.35	0.88		88	Ukraine	0.42	42.48	0.35	
19	Saudi Arabia	0.80	79.74	0.87	●	88	Viet Nam	0.42	42.48	0.35	
20	Malaysia	0.79	79.08	0.86		92	Belarus	0.41	41.18	0.34	
21	Kazakhstan	0.78	78.43	0.85	●	92	Bolivia, Plurinational St.	0.41	41.18	0.34	
21	New Zealand	0.78	78.43	0.85		94	Belize	0.40	39.87	0.33	
23	Spain	0.76	75.82	0.84		95	Jordan	0.39	39.22	0.32	
24	Chile	0.75	75.16	0.83	●	96	Honduras	0.38	37.91	0.31	
24	Germany	0.75	75.16	0.83		96	Sri Lanka	0.38	37.91	0.31	
26	Austria	0.75	74.51	0.82		98	Bosnia and Herzegovina	0.37	37.25	0.30	
27	Qatar	0.74	73.86	0.81		99	Azerbaijan	0.37	36.60	0.28	
28	Mexico	0.73	73.20	0.81	●	99	Mozambique	0.37	36.60	0.28	
29	Lithuania	0.70	69.93	0.79		99	Pakistan	0.37	36.60	0.28	
29	Luxembourg	0.70	69.93	0.79		102	Botswana	0.36	35.95	0.27	
31	Hungary	0.69	68.63	0.78		102	Fiji	0.36	35.95	0.27	
32	Brazil	0.67	67.32	0.76		104	Tanzania, United Rep.	0.35	35.29	0.26	
32	El Salvador	0.67	67.32	0.76	●	105	Senegal	0.35	34.64	0.25	
32	Switzerland	0.67	67.32	0.76		106	Rwanda	0.34	33.99	0.24	
35	Oman	0.67	66.67	0.75	●	107	Angola	0.33	33.33	0.23	
35	Slovenia	0.67	66.67	0.75		107	Côte d'Ivoire	0.33	33.33	0.23	
37	Russian Federation	0.66	66.01	0.74		109	Armenia	0.33	32.68	0.22	
38	Portugal	0.65	65.36	0.73		110	Gambia	0.32	32.03	0.20	
39	Belgium	0.65	64.71	0.73		110	Madagascar	0.32	32.03	0.20	
40	Croatia	0.64	64.05	0.72		110	Mali	0.32	32.03	0.20	
41	Malta	0.61	61.44	0.71		113	Nicaragua	0.31	31.37	0.19	
42	Egypt	0.60	60.13	0.70	●	113	Zambia	0.31	31.37	0.19	
42	Georgia	0.60	60.13	0.70		115	Jamaica	0.31	30.72	0.18	
44	Brunei Darussalam	0.59	59.48	0.69		116	Cameroon	0.30	30.07	0.15	
45	Latvia	0.59	58.82	0.68		116	Ghana	0.30	30.07	0.15	
45	Mongolia	0.59	58.82	0.68		116	Lesotho	0.30	30.07	0.15	
47	Kuwait	0.58	58.17	0.67		116	Namibia	0.30	30.07	0.15	
48	Greece	0.58	57.52	0.65		120	Burkina Faso	0.29	29.41	0.14	
48	Italy	0.58	57.52	0.65		120	Uganda	0.29	29.41	0.14	
48	Serbia	0.58	57.52	0.65		122	Nepal	0.29	28.76	0.13	
51	Cyprus	0.56	56.21	0.64		123	Algeria	0.25	25.49	0.11	
52	Uruguay	0.55	54.90	0.63		123	Guyana	0.25	25.49	0.11	○
53	Czech Republic	0.54	54.25	0.62		123	Sudan	0.25	25.49	0.11	
53	Iceland	0.54	54.25	0.62		126	Morocco	0.25	24.84	0.10	○
55	Dominican Republic	0.54	53.59	0.59		127	Tajikistan	0.24	24.18	0.09	
55	India	0.54	53.59	0.59		128	Syrian Arab Rep.	0.23	22.88	0.09	
55	Ireland	0.54	53.59	0.59		129	Nigeria	0.22	22.22	0.08	
55	Poland	0.54	53.59	0.59		130	Lao PDR	0.22	21.57	0.06	
59	Argentina	0.53	52.94	0.58		130	Malawi	0.22	21.57	0.06	
59	China	0.53	52.94	0.58		132	Benin	0.20	19.61	0.05	○
61	Moldova, Rep.	0.52	51.63	0.55		132	Niger	0.20	19.61	0.05	
61	Peru	0.52	51.63	0.55		134	Cambodia	0.19	18.95	0.04	○
61	Romania	0.52	51.63	0.55		134	Gabon	0.19	18.95	0.04	○
64	Montenegro	0.51	50.98	0.54		136	Yemen	0.18	17.65	0.03	
64	Thailand	0.51	50.98	0.54		137	Burundi	0.15	15.03	0.02	○
66	Slovakia	0.50	50.33	0.53		138	Swaziland	0.14	14.38	0.01	○
67	Costa Rica	0.50	49.67	0.50		139	Togo	0.14	13.73	0.01	○
67	Indonesia	0.50	49.67	0.50		140	Zimbabwe (2010)	0.13	12.70	0.00	○
67	Philippines	0.50	49.67	0.50		n/a	Hong Kong (China)	n/a	n/a	n/a	
67	Uzbekistan	0.50	49.67	0.50							
71	Bulgaria	0.49	49.02	0.49							
71	Iran, Islamic Rep.	0.49	49.02	0.49							

SOURCE: United Nations Public Administration Network, e-Government Survey 2012 (2010–11)

3.1.4 Online e-participation

E-participation index* | 2011

349

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Korea, Rep.	1.00	100.00	0.99	●	71	Iran, Islamic Rep.	0.18	18.42	0.45	
1	Netherlands	1.00	100.00	0.99	●	71	Kuwait	0.18	18.42	0.45	
3	Kazakhstan	0.95	94.74	0.98	●	71	Nigeria	0.18	18.42	0.45	
3	Singapore	0.95	94.74	0.98		71	Poland	0.18	18.42	0.45	
5	United Kingdom	0.92	92.11	0.96		71	Uruguay	0.18	18.42	0.45	
5	United States of America	0.92	92.11	0.96	●	78	Burkina Faso	0.16	15.79	0.42	
7	Israel	0.89	89.47	0.96	●	78	Iceland	0.16	15.79	0.42	
8	Australia	0.76	76.32	0.94	●	78	Paraguay	0.16	15.79	0.42	
8	Estonia	0.76	76.32	0.94	●	78	South Africa	0.16	15.79	0.42	
8	Germany	0.76	76.32	0.94	●	78	Ukraine	0.16	15.79	0.42	
11	Colombia	0.74	73.68	0.91	●	83	Azerbaijan	0.13	13.16	0.35	
11	Finland	0.74	73.68	0.91		83	Belgium	0.13	13.16	0.35	○
11	Japan	0.74	73.68	0.91		83	Côte d'Ivoire	0.13	13.16	0.35	
11	United Arab Emirates	0.74	73.68	0.91	●	83	Honduras	0.13	13.16	0.35	
15	Canada	0.68	68.42	0.88		83	Ireland	0.13	13.16	0.35	○
15	Egypt	0.68	68.42	0.88	●	83	Macedonia, FYR	0.13	13.16	0.35	
15	Norway	0.68	68.42	0.88		83	Mozambique	0.13	13.16	0.35	
15	Sweden	0.68	68.42	0.88		83	Nicaragua	0.13	13.16	0.35	
19	Bahrain	0.66	65.79	0.86		83	Pakistan	0.13	13.16	0.35	
19	Chile	0.66	65.79	0.86	●	83	Slovakia	0.13	13.16	0.35	
19	Russian Federation	0.66	65.79	0.86	●	93	Albania	0.11	10.53	0.31	
22	Qatar	0.63	63.16	0.84		93	Gabon	0.11	10.53	0.31	
22	Saudi Arabia	0.63	63.16	0.84		93	Ghana	0.11	10.53	0.31	
24	Mongolia	0.61	60.53	0.83		93	Jordan	0.11	10.53	0.31	
25	France	0.58	57.89	0.81		93	Viet Nam	0.11	10.53	0.31	
25	Mexico	0.58	57.89	0.81	●	98	Bangladesh	0.08	7.89	0.22	
25	New Zealand	0.58	57.89	0.81		98	Belarus	0.08	7.89	0.22	
28	Denmark	0.55	55.26	0.80		98	Benin	0.08	7.89	0.22	
28	El Salvador	0.55	55.26	0.80	●	98	Cyprus	0.08	7.89	0.22	○
30	Lithuania	0.53	52.63	0.79		98	Fiji	0.08	7.89	0.22	
31	Brazil	0.50	50.00	0.77	●	98	Mauritius	0.08	7.89	0.22	○
31	Malaysia	0.50	50.00	0.77		98	Romania	0.08	7.89	0.22	○
31	Spain	0.50	50.00	0.77		98	Sri Lanka	0.08	7.89	0.22	
34	Brunei Darussalam	0.47	47.37	0.76		98	Sudan	0.08	7.89	0.22	
34	Dominican Republic	0.47	47.37	0.76	●	98	Tanzania, United Rep.	0.08	7.89	0.22	
36	Hungary	0.45	44.74	0.74		98	Trinidad and Tobago	0.08	7.89	0.22	
36	Oman	0.45	44.74	0.74		98	Uganda	0.08	7.89	0.22	
38	Luxembourg	0.39	39.47	0.72		110	Algeria	0.05	5.26	0.19	
38	Moldova, Rep.	0.39	39.47	0.72		110	Kenya	0.05	5.26	0.19	
38	Peru	0.39	39.47	0.72	●	110	Swaziland	0.05	5.26	0.19	
41	Austria	0.37	36.84	0.70		110	Togo	0.05	5.26	0.19	
41	Portugal	0.37	36.84	0.70		110	Turkey	0.05	5.26	0.19	
41	Tunisia	0.37	36.84	0.70		115	Angola	0.03	2.63	0.10	
44	Ethiopia	0.34	34.21	0.68	●	115	Botswana	0.03	2.63	0.10	○
44	Greece	0.34	34.21	0.68		115	Bulgaria	0.03	2.63	0.10	○
44	Switzerland	0.34	34.21	0.68		115	Cameroon	0.03	2.63	0.10	
47	Costa Rica	0.32	31.58	0.64		115	Lesotho	0.03	2.63	0.10	
47	Lebanon	0.32	31.58	0.64		115	Madagascar	0.03	2.63	0.10	
47	Montenegro	0.32	31.58	0.64		115	Namibia	0.03	2.63	0.10	○
47	Panama	0.32	31.58	0.64		115	Nepal	0.03	2.63	0.10	
47	Thailand	0.32	31.58	0.64		115	Rwanda	0.03	2.63	0.10	
52	Argentina	0.29	28.95	0.62		115	Syrian Arab Rep.	0.03	2.63	0.10	
52	Croatia	0.29	28.95	0.62		115	Zambia	0.03	2.63	0.10	
52	Kyrgyzstan	0.29	28.95	0.62		115	Zimbabwe	0.03	2.63	0.10	
55	Czech Republic	0.26	26.32	0.59		127	Armenia	0.00	0.00	0.00	○
55	Italy	0.26	26.32	0.59		127	Bosnia and Herzegovina	0.00	0.00	0.00	○
55	Malta	0.26	26.32	0.59		127	Burundi	0.00	0.00	0.00	○
55	Venezuela, Bolivarian Rep.	0.26	26.32	0.59		127	Cambodia	0.00	0.00	0.00	○
59	Ecuador	0.24	23.68	0.56		127	Gambia	0.00	0.00	0.00	○
59	Guatemala	0.24	23.68	0.56		127	Guyana	0.00	0.00	0.00	○
59	Serbia	0.24	23.68	0.56		127	Jamaica	0.00	0.00	0.00	○
59	Uzbekistan	0.24	23.68	0.56	●	127	Lao PDR	0.00	0.00	0.00	○
63	Bolivia, Plurinational St.	0.21	21.05	0.50		127	Malawi	0.00	0.00	0.00	○
63	China	0.21	21.05	0.50		127	Mali	0.00	0.00	0.00	○
63	Georgia	0.21	21.05	0.50		127	Morocco	0.00	0.00	0.00	○
63	Indonesia	0.21	21.05	0.50		127	Niger	0.00	0.00	0.00	○
63	Latvia	0.21	21.05	0.50		127	Tajikistan	0.00	0.00	0.00	○
63	Philippines	0.21	21.05	0.50		127	Yemen	0.00	0.00	0.00	○
63	Senegal	0.21	21.05	0.50		n/a	Hong Kong (China)	n/a	n/a	n/a	
63	Slovenia	0.21	21.05	0.50							
71	Belize	0.18	18.42	0.45							
71	India	0.18	18.42	0.45							

SOURCE: United Nations Public Administration Network, e-Government Survey 2012

3.2.1 Electricity output

Electricity output (kWh per capita)^a | 2009

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Iceland (2010)	52,814.24	100.00	0.99	●	73	Syrian Arab Rep.	2,083.42	8.19	0.41	
1	Norway (2010)	25,275.88	100.00	0.99	●	74	Costa Rica	2,061.24	8.11	0.41	
3	United Arab Emirates	17,878.60	70.72	0.98	●	75	Jamaica	2,050.02	8.06	0.40	
4	Canada (2010)	17,557.36	69.45	0.98	●	76	Kyrgyzstan	2,048.73	8.06	0.39	
5	Sweden (2010)	16,380.94	64.79	0.97		77	Panama	2,004.91	7.88	0.38	
6	Kuwait	15,270.01	60.39	0.96	●	78	Georgia	1,951.65	7.67	0.37	
7	Qatar	15,128.74	59.83	0.95	●	79	Egypt	1,809.90	7.11	0.37	
8	Finland (2010)	14,949.58	59.12	0.94		80	Uzbekistan	1,787.83	7.02	0.36	
9	United States of America (2010)	13,990.68	55.33	0.93		81	Armenia	1,735.84	6.82	0.35	
10	Bahrain	11,603.46	45.88	0.93	●	82	Albania	1,651.91	6.49	0.34	
11	Australia (2010)	11,526.82	45.57	0.92		83	Dominican Republic	1,544.22	6.06	0.33	
12	New Zealand (2010)	10,258.64	40.55	0.91		84	Mongolia	1,542.44	6.05	0.33	
13	Korea, Rep. (2010)	9,780.67	38.66	0.90		85	Tunisia	1,503.88	5.90	0.32	
14	Estonia (2010)	9,696.34	38.33	0.89		86	Colombia	1,273.18	4.99	0.31	
15	France (2010)	9,015.84	35.64	0.89		87	Peru	1,214.91	4.76	0.30	
16	Brunei Darussalam	8,896.55	35.16	0.88	●	88	Algeria	1,201.38	4.70	0.29	
17	Paraguay	8,755.62	34.61	0.87	●	89	Ecuador	1,182.25	4.63	0.28	
18	Belgium (2010)	8,708.92	34.42	0.86		90	Gabon	1,129.49	4.42	0.28	
19	Switzerland (2010)	8,544.87	33.77	0.85		91	Moldova, Rep.	1,008.97	3.94	0.27	
20	Japan (2010)	8,396.34	33.18	0.85		92	El Salvador	993.82	3.88	0.26	
21	Singapore	8,233.41	32.54	0.84		93	Viet Nam	953.90	3.72	0.25	
22	Saudi Arabia	8,142.61	32.18	0.83		94	Honduras	835.22	3.25	0.24	
23	Czech Republic (2010)	8,120.49	32.09	0.82		95	Namibia	828.34	3.23	0.24	
24	Slovenia (2010)	8,051.54	31.82	0.81		96	Mozambique	801.58	3.12	0.23	
25	Austria (2010)	7,989.51	31.57	0.80		97	Zambia	796.91	3.10	0.22	
26	Israel (2010)	7,703.36	30.44	0.80		98	India	766.09	2.98	0.21	
27	Germany (2010)	7,525.08	29.73	0.79		99	Morocco	679.10	2.63	0.20	
28	Denmark (2010)	6,968.02	27.53	0.78		100	Indonesia	671.95	2.61	0.20	
29	Russian Federation	6,923.39	27.35	0.77		101	Philippines	671.40	2.60	0.19	
30	Netherlands (2010)	6,905.45	27.28	0.76		102	Guatemala	645.12	2.50	0.18	
31	Cyprus	6,558.34	25.91	0.76		103	Zimbabwe	626.48	2.43	0.17	
32	Spain (2010)	6,417.03	25.35	0.75		104	Nicaragua	601.36	2.33	0.16	
33	Luxembourg (2010)	6,376.73	25.19	0.74		105	Bolivia, Plurinational St.	598.32	2.31	0.15	
34	Ireland (2010)	6,320.29	24.97	0.73		106	Pakistan	567.25	2.19	0.15	
35	Oman	6,182.10	24.42	0.72		107	Sri Lanka	488.29	1.88	0.14	
36	United Kingdom (2010)	6,076.56	24.00	0.72		108	Ghana	387.66	1.48	0.13	
37	Trinidad and Tobago	5,904.58	23.32	0.71	●	109	Cameroon	288.12	1.09	0.12	
38	Bulgaria	5,603.25	22.13	0.70		110	Yemen	284.71	1.07	0.11	
39	Hong Kong (China)	5,482.24	21.65	0.69		111	Côte d'Ivoire	275.61	1.04	0.11	
40	Greece (2010)	5,433.60	21.46	0.68		112	Botswana	245.30	0.92	0.10	○
41	Malta	5,209.13	20.57	0.67		113	Bangladesh	233.40	0.87	0.09	
42	Serbia	5,068.95	20.01	0.67		114	Angola	225.54	0.84	0.08	
43	Slovakia (2010)	5,033.33	19.87	0.66		115	Senegal	222.93	0.83	0.07	
44	South Africa	4,989.79	19.70	0.65		116	Kenya	178.11	0.65	0.07	○
45	Portugal (2010)	4,952.53	19.55	0.64		117	Sudan	172.61	0.63	0.06	
46	Italy (2010)	4,889.28	19.30	0.63		118	Nigeria	130.22	0.46	0.05	
47	Kazakhstan	4,859.24	19.18	0.63		119	Tanzania, United Rep.	114.16	0.40	0.04	
48	Lithuania	4,384.13	17.30	0.62		120	Nepal	111.74	0.39	0.03	○
49	Venezuela, Bolivarian Rep.	4,314.67	17.03	0.61	●	121	Cambodia	85.24	0.28	0.02	○
50	Poland (2010)	4,120.87	16.26	0.60		122	Ethiopia	49.58	0.14	0.02	
51	Bosnia and Herzegovina	4,013.06	15.83	0.59		123	Togo	18.55	0.02	0.01	○
52	Ukraine	3,774.43	14.89	0.59		124	Benin	13.54	0.00	0.00	○
53	Malaysia	3,767.02	14.86	0.58		n/a	Belize	n/a	n/a	n/a	
54	Hungary (2010)	3,732.27	14.72	0.57		n/a	Burkina Faso	n/a	n/a	n/a	
55	Chile (2010)	3,633.10	14.33	0.56		n/a	Burundi	n/a	n/a	n/a	
56	Lebanon	3,570.39	14.08	0.55		n/a	Fiji	n/a	n/a	n/a	
57	Macedonia, FYR	3,327.49	13.12	0.54		n/a	Gambia	n/a	n/a	n/a	
58	Belarus	3,197.47	12.60	0.54		n/a	Guyana	n/a	n/a	n/a	
59	Argentina	3,036.40	11.97	0.53		n/a	Lao PDR	n/a	n/a	n/a	
60	Turkey (2010)	2,960.54	11.67	0.52		n/a	Lesotho	n/a	n/a	n/a	
61	Croatia	2,865.66	11.29	0.51		n/a	Madagascar	n/a	n/a	n/a	
62	China	2,769.02	10.91	0.50		n/a	Malawi	n/a	n/a	n/a	
63	Iran, Islamic Rep.	2,758.78	10.87	0.50		n/a	Mali	n/a	n/a	n/a	
64	Romania	2,690.38	10.60	0.49		n/a	Mauritius	n/a	n/a	n/a	
65	Uruguay	2,647.83	10.43	0.48		n/a	Montenegro	n/a	n/a	n/a	
66	Mexico (2010)	2,471.14	9.73	0.47		n/a	Niger	n/a	n/a	n/a	
67	Latvia	2,463.07	9.70	0.46		n/a	Rwanda	n/a	n/a	n/a	
68	Brazil	2,436.11	9.59	0.46		n/a	Swaziland	n/a	n/a	n/a	
69	Jordan	2,386.62	9.39	0.45		n/a	Uganda	n/a	n/a	n/a	
70	Thailand	2,335.91	9.19	0.44							
71	Tajikistan	2,141.70	8.42	0.43							
72	Azerbaijan	2,101.93	8.27	0.42							

SOURCE: International Energy Agency, *World Energy Balances* online data service (2009–10)

3.2.2 Electricity consumption

Electricity consumption (kWh per capita)^a | 2009

351

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Iceland (2010)	51,884.00	100.00	0.98	●	73	Albania	1,768.00	9.99	0.41	
1	Norway (2010)	25,181.10	100.00	0.98	●	74	Panama	1,739.40	9.82	0.41	
1	United Arab Emirates	17,295.90	100.00	0.98	●	75	Azerbaijan	1,651.20	9.31	0.40	
4	Luxembourg (2010)	16,879.40	97.59	0.98	●	76	Georgia	1,641.30	9.25	0.39	
5	Kuwait	16,673.00	96.39	0.97	●	77	Uzbekistan	1,635.90	9.22	0.38	
6	Finland (2010)	16,439.20	95.03	0.96		78	Namibia	1,627.80	9.18	0.37	
7	Qatar	16,352.70	94.53	0.95	●	79	Armenia	1,551.40	8.73	0.37	
8	Sweden (2010)	15,476.50	89.45	0.94		80	Botswana	1,527.70	8.60	0.36	
9	Canada (2010)	15,449.30	89.30	0.93		81	Egypt	1,487.30	8.36	0.35	
10	Bahrain	13,624.50	78.72	0.93	●	82	Syrian Arab Rep.	1,484.70	8.35	0.34	
11	United States of America (2010)	13,268.10	76.65	0.92		83	Mongolia	1,432.00	8.04	0.33	
12	Australia (2010)	10,789.80	62.29	0.91		84	Kyrgyzstan	1,402.00	7.87	0.33	
13	New Zealand (2010)	9,536.70	55.02	0.90		85	Dominican Republic	1,318.70	7.38	0.32	
14	Korea, Rep. (2010)	9,509.60	54.86	0.89		86	Tunisia	1,312.10	7.35	0.31	
15	Belgium (2010)	8,560.80	49.36	0.89		87	Ecuador	1,167.60	6.51	0.30	
16	Brunei Darussalam	8,485.00	48.93	0.88	●	88	Peru	1,120.10	6.23	0.29	
17	Switzerland (2010)	8,327.80	48.01	0.87		89	Paraguay	1,054.80	5.85	0.28	
18	Austria (2010)	8,312.00	47.92	0.86		90	Colombia	1,046.90	5.81	0.28	
19	Japan (2010)	8,110.30	46.75	0.85		91	Zimbabwe	1,022.20	5.67	0.27	
20	Singapore	7,948.30	45.81	0.85		92	Moldova, Rep.	1,007.20	5.58	0.26	
21	France (2010)	7,893.80	45.50	0.84		93	Algeria	972.50	5.38	0.25	
22	Saudi Arabia	7,842.00	45.20	0.83		94	Gabon	924.10	5.10	0.24	
23	Germany (2010)	7,107.80	40.94	0.82		95	Viet Nam	904.40	4.98	0.24	
24	Netherlands (2010)	6,794.70	39.13	0.81		96	El Salvador	844.70	4.64	0.23	
25	Israel	6,648.10	38.28	0.80		97	Morocco	747.10	4.07	0.22	
26	Denmark (2010)	6,370.50	36.67	0.80		98	Honduras	676.80	3.66	0.21	
27	Czech Republic (2010)	6,343.50	36.51	0.79		99	Zambia	624.70	3.36	0.20	
28	Cyprus	6,250.60	35.97	0.78		100	Indonesia	609.30	3.27	0.20	
29	Russian Federation	6,133.20	35.29	0.77		101	India	596.80	3.20	0.19	
30	Slovenia	6,096.50	35.08	0.76		102	Philippines	591.70	3.17	0.18	
31	Spain (2010)	6,053.10	34.83	0.76		103	Bolivia, Plurinational St.	553.30	2.95	0.17	
32	Estonia	5,951.50	34.24	0.75		104	Guatemala	548.40	2.92	0.16	
33	Hong Kong (China)	5,924.30	34.08	0.74		105	Nicaragua	456.90	2.39	0.15	
34	Ireland (2010)	5,898.80	33.93	0.73		106	Mozambique	452.70	2.36	0.15	
35	United Kingdom (2010)	5,741.80	33.02	0.72		107	Pakistan	451.40	2.36	0.14	
36	Greece (2010)	5,703.80	32.80	0.72		108	Sri Lanka	415.80	2.15	0.13	
37	Trinidad and Tobago	5,650.50	32.49	0.71	●	109	Cameroon	266.40	1.28	0.12	
38	Oman	5,456.60	31.37	0.70		110	Ghana	265.00	1.28	0.11	
39	Italy (2010)	5,363.30	30.83	0.69		111	Bangladesh	228.10	1.06	0.11	
40	Slovakia (2010)	5,130.00	29.48	0.68		112	Yemen	216.50	0.99	0.10	
41	Portugal (2010)	4,888.90	28.08	0.67		113	Angola	202.80	0.92	0.09	
42	South Africa	4,532.00	26.01	0.67		114	Senegal	189.30	0.84	0.08	
43	Kazakhstan	4,505.60	25.86	0.66		115	Côte d'Ivoire	186.80	0.82	0.07	
44	Malta	4,404.80	25.27	0.65		116	Kenya	146.20	0.59	0.07	○
45	Bulgaria	4,400.90	25.25	0.64		117	Cambodia	123.50	0.46	0.06	
46	Serbia	4,224.90	24.23	0.63		118	Nigeria	120.30	0.44	0.05	
47	Hungary (2010)	3,900.10	22.35	0.63		119	Sudan	114.80	0.41	0.04	
48	Poland (2010)	3,768.00	21.58	0.62		120	Togo	98.80	0.31	0.03	
49	Croatia	3,709.40	21.24	0.61		121	Nepal	91.30	0.27	0.02	○
50	Malaysia	3,676.90	21.05	0.60		122	Benin	87.90	0.25	0.02	○
51	Macedonia, FYR	3,466.70	19.84	0.59		123	Tanzania, United Rep.	85.30	0.23	0.01	○
52	Lithuania	3,430.20	19.62	0.59		124	Ethiopia	44.90	0.00	0.00	○
53	Chile	3,288.20	18.80	0.58		n/a	Belize	n/a	n/a	n/a	
54	Belarus	3,245.40	18.55	0.57		n/a	Burkina Faso	n/a	n/a	n/a	
55	Ukraine	3,203.60	18.31	0.56		n/a	Burundi	n/a	n/a	n/a	
56	Venezuela, Bolivarian Rep.	3,151.60	18.01	0.55		n/a	Fiji	n/a	n/a	n/a	
57	Lebanon	3,110.10	17.77	0.54		n/a	Gambia	n/a	n/a	n/a	
58	Latvia	2,874.50	16.40	0.54		n/a	Guyana	n/a	n/a	n/a	
59	Bosnia and Herzegovina	2,867.50	16.36	0.53		n/a	Lao PDR	n/a	n/a	n/a	
60	Argentina	2,744.10	15.65	0.52		n/a	Lesotho	n/a	n/a	n/a	
61	Uruguay	2,670.90	15.22	0.51		n/a	Madagascar	n/a	n/a	n/a	
62	China	2,631.20	14.99	0.50		n/a	Malawi	n/a	n/a	n/a	
63	Turkey (2010)	2,489.00	14.17	0.50		n/a	Mali	n/a	n/a	n/a	
64	Romania	2,266.50	12.88	0.49		n/a	Mauritius	n/a	n/a	n/a	
65	Iran, Islamic Rep.	2,244.70	12.75	0.48		n/a	Montenegro	n/a	n/a	n/a	
66	Brazil	2,200.60	12.50	0.47		n/a	Niger	n/a	n/a	n/a	
67	Jordan	2,099.10	11.91	0.46		n/a	Rwanda	n/a	n/a	n/a	
68	Mexico (2010)	2,077.40	11.78	0.46		n/a	Swaziland	n/a	n/a	n/a	
69	Thailand	2,073.30	11.76	0.45		n/a	Uganda	n/a	n/a	n/a	
70	Tajikistan	1,937.10	10.97	0.44							
71	Jamaica	1,898.50	10.74	0.43							
72	Costa Rica	1,817.20	10.27	0.42							

SOURCE: International Energy Agency, *World Energy Balances* online data service (2009–10)

3.2.3 Trade and transport-related infrastructure

Logistics Performance Index: Quality of trade and transport-related infrastructure (1 = low to 5 = high)* | 2009

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Germany	4.34	83.50	1.00	●	73	Bangladesh	2.49	37.25	0.47	
2	Netherlands	4.25	81.25	0.99	●	74	Benin	2.48	37.00	0.46	●
3	Norway	4.22	80.50	0.98		75	Montenegro	2.45	36.25	0.45	
3	Singapore	4.22	80.50	0.98		75	Syrian Arab Rep.	2.45	36.25	0.45	
5	Japan	4.19	79.75	0.97		77	El Salvador	2.44	36.00	0.42	
6	Switzerland	4.17	79.25	0.96		77	Paraguay	2.44	36.00	0.42	
7	United States of America	4.15	78.75	0.96		77	Ukraine	2.44	36.00	0.42	
8	Finland	4.08	77.00	0.95		77	Venezuela, Bolivarian Rep.	2.44	36.00	0.42	
9	Luxembourg	4.06	76.50	0.94		81	Nigeria	2.43	35.75	0.41	
10	Canada	4.03	75.75	0.93		82	Ecuador	2.38	34.50	0.40	
10	Sweden	4.03	75.75	0.93		82	Russian Federation	2.38	34.50	0.40	
12	Belgium	4.01	75.25	0.92		84	Côte d'Ivoire	2.37	34.25	0.38	
13	France	4.00	75.00	0.90	●	84	Guatemala	2.37	34.25	0.38	
13	Hong Kong (China)	4.00	75.00	0.90		86	Croatia	2.36	34.00	0.37	
15	Denmark	3.99	74.75	0.90		86	Iran, Islamic Rep.	2.36	34.00	0.37	
16	United Kingdom	3.95	73.75	0.89		88	Uganda	2.35	33.75	0.35	
17	United Arab Emirates	3.81	70.25	0.88		88	Yemen	2.35	33.75	0.35	
18	Australia	3.78	69.50	0.88		90	Dominican Republic	2.34	33.50	0.35	
19	Ireland	3.76	69.00	0.87		91	Morocco (2006)	2.33	33.25	0.34	
20	Italy	3.72	68.00	0.86	●	92	Armenia	2.32	33.00	0.33	
21	Austria	3.68	67.00	0.85		93	Honduras	2.31	32.75	0.32	
22	Korea, Rep.	3.62	65.50	0.85		94	Bulgaria	2.30	32.50	0.31	○
23	Israel	3.60	65.00	0.84		94	Serbia	2.30	32.50	0.31	
24	Spain	3.58	64.50	0.83		96	Mauritius	2.29	32.25	0.30	
25	China	3.54	63.50	0.82		97	Niger	2.28	32.00	0.29	
25	New Zealand	3.54	63.50	0.82		98	Romania	2.25	31.25	0.29	
27	Malaysia	3.50	62.50	0.81		99	Bolivia, Plurinational St.	2.24	31.00	0.28	
28	South Africa	3.42	60.50	0.80	●	100	Azerbaijan	2.23	30.75	0.26	
29	Bahrain	3.36	59.00	0.79		100	Nicaragua	2.23	30.75	0.26	
30	Iceland	3.33	58.25	0.78		102	Bosnia and Herzegovina	2.22	30.50	0.25	
30	Kuwait	3.33	58.25	0.78		102	Egypt	2.22	30.50	0.25	
32	Saudi Arabia	3.27	56.75	0.77		104	Gambia	2.17	29.25	0.24	
33	Czech Republic	3.25	56.25	0.76		104	Georgia	2.17	29.25	0.24	
34	Portugal	3.17	54.25	0.76		106	Albania	2.14	28.50	0.22	
35	Thailand	3.16	54.00	0.75		106	Kenya	2.14	28.50	0.22	
36	Brazil	3.10	52.50	0.74		108	Malawi (2006)	2.13	28.25	0.21	
37	Hungary	3.08	52.00	0.73		109	Cambodia	2.12	28.00	0.21	
37	Turkey	3.08	52.00	0.73	●	110	Cameroon	2.10	27.50	0.20	
39	Oman	3.06	51.50	0.72		111	Botswana	2.09	27.25	0.18	
40	Lebanon	3.05	51.25	0.71		111	Gabon	2.09	27.25	0.18	
41	Slovakia	3.00	50.00	0.71		111	Kyrgyzstan	2.09	27.25	0.18	
42	Poland	2.98	49.50	0.70		114	Pakistan	2.08	27.00	0.17	
43	Mexico	2.95	48.75	0.69		115	Jamaica	2.07	26.75	0.16	○
44	Cyprus	2.94	48.50	0.68		116	Algeria	2.06	26.50	0.15	
44	Greece	2.94	48.50	0.68		117	Moldova, Rep.	2.05	26.25	0.15	○
46	India	2.91	47.75	0.67		118	Mozambique	2.04	26.00	0.14	
47	Malta	2.89	47.25	0.66		119	Lesotho (2006)	2.00	25.00	0.11	
48	Latvia	2.88	47.00	0.65		119	Mali	2.00	25.00	0.11	
49	Chile	2.86	46.50	0.65		119	Tajikistan	2.00	25.00	0.11	
50	Argentina	2.75	43.75	0.63		119	Tanzania, United Rep.	2.00	25.00	0.11	
50	Estonia	2.75	43.75	0.63		123	Guyana	1.99	24.75	0.10	○
50	Qatar	2.75	43.75	0.63		124	Fiji	1.98	24.50	0.10	○
53	Lithuania	2.72	43.00	0.62		125	Lao PDR	1.95	23.75	0.09	
54	Jordan	2.69	42.25	0.61		126	Mongolia	1.94	23.50	0.08	○
55	Kazakhstan	2.66	41.50	0.60		127	Burkina Faso	1.89	22.25	0.07	
55	Peru	2.66	41.50	0.60		128	Sri Lanka	1.88	22.00	0.07	○
57	Slovenia	2.65	41.25	0.59		129	Zimbabwe (2006)	1.87	21.75	0.06	
58	Senegal	2.64	41.00	0.58		130	Zambia	1.83	20.75	0.05	
59	Belarus (2006)	2.63	40.75	0.56		131	Togo	1.82	20.50	0.04	
59	Madagascar	2.63	40.75	0.56		132	Nepal	1.80	20.00	0.04	○
59	Panama	2.63	40.75	0.56		133	Sudan	1.78	19.50	0.03	
62	Colombia	2.59	39.75	0.55		134	Ethiopia	1.77	19.25	0.02	
63	Uruguay	2.58	39.50	0.54		135	Namibia	1.71	17.75	0.01	○
64	Philippines	2.57	39.25	0.54		136	Angola	1.69	17.25	0.01	○
65	Costa Rica	2.56	39.00	0.51		137	Rwanda	1.63	15.75	0.00	○
65	Tunisia	2.56	39.00	0.51		n/a	Belize	n/a	n/a	n/a	
65	Viet Nam	2.56	39.00	0.51		n/a	Brunei Darussalam	n/a	n/a	n/a	
68	Macedonia, FYR	2.55	38.75	0.51		n/a	Swaziland	n/a	n/a	n/a	
69	Indonesia	2.54	38.50	0.49		n/a	Trinidad and Tobago	n/a	n/a	n/a	
69	Uzbekistan	2.54	38.50	0.49							
71	Ghana	2.52	38.00	0.49							
72	Burundi (2006)	2.50	37.50	0.48	●						

SOURCE: World Bank and Turku School of Economics, *Logistics Performance Index 2010* (2006–09)

3.2.4 Gross capital formation

Gross capital formation (% of GDP) | 2010

353

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	China	47.78	100.00	1.00	●	73	Canada	22.20	45.87	0.48	○
2	Algeria (2009)	41.18	86.04	0.99	●	74	Saudi Arabia	22.00	45.45	0.47	
3	Mongolia	40.79	85.22	0.99	●	75	Argentina	22.00	45.44	0.47	
4	Belarus	40.63	84.87	0.98	●	76	Austria	21.64	44.68	0.46	
5	Qatar (2009)	38.93	81.27	0.97	●	77	Rwanda (2009)	21.56	44.52	0.45	
6	Viet Nam	38.88	81.17	0.96	●	78	Ethiopia	21.48	44.33	0.45	
7	Botswana	36.26	75.62	0.96	●	79	Chile	21.45	44.27	0.44	
8	Morocco	35.12	73.21	0.95	●	80	Malaysia	21.42	44.20	0.43	
9	India	34.77	72.47	0.94	●	81	Norway	21.32	44.01	0.42	○
10	Nepal	34.69	72.29	0.94	●	82	Kenya	21.25	43.86	0.42	
11	Lesotho	33.75	70.30	0.93	●	83	Poland	20.95	43.22	0.41	
12	Armenia	33.37	69.50	0.92	●	84	Venezuela, Bolivarian Rep.	20.82	42.94	0.40	
13	Bahrain (2008)	33.23	69.20	0.91		85	Latvia	20.67	42.62	0.40	
14	Iran, Islamic Rep. (2007)	33.16	69.06	0.91	●	86	Jamaica	20.60	42.49	0.39	
15	Madagascar (2009)	32.96	68.63	0.90	●	87	Philippines	20.54	42.35	0.38	
16	Lebanon	32.68	68.05	0.89	●	88	Japan	20.22	41.68	0.37	
17	Indonesia	32.49	67.64	0.88	●	89	Belgium	20.19	41.62	0.37	○
18	Romania	31.35	65.24	0.88	●	90	Italy	20.19	41.61	0.36	
19	Tanzania, United Rep.	30.59	63.61	0.87	●	91	Costa Rica	19.98	41.15	0.35	
20	Oman (2008)	29.59	61.49	0.86	●	92	Estonia	19.97	41.15	0.35	○
21	Korea, Rep.	29.15	60.58	0.86		93	Turkey	19.93	41.06	0.34	
22	Senegal	28.93	60.10	0.85	●	94	New Zealand	19.93	41.05	0.33	○
23	Kyrgyzstan	28.38	58.95	0.84	●	95	Georgia	19.53	40.21	0.32	
24	Sri Lanka	27.79	57.69	0.83	●	96	Bosnia and Herzegovina	19.50	40.15	0.32	
25	Australia (2008)	27.51	57.11	0.83		97	Paraguay	19.49	40.13	0.31	
26	Nicaragua	27.51	57.09	0.82	●	98	France	19.35	39.84	0.30	○
27	Guyana	26.73	55.46	0.81		99	Ukraine	19.35	39.83	0.29	
28	Panama	26.67	55.32	0.81	●	100	Brazil	19.25	39.62	0.29	
29	Uzbekistan	26.46	54.88	0.80	●	101	Switzerland	19.24	39.60	0.28	○
30	Tunisia	26.36	54.66	0.79	●	102	Portugal	18.99	39.07	0.27	○
31	Ecuador	26.18	54.28	0.78	●	103	Egypt	18.89	38.85	0.27	
32	Lao PDR	26.06	54.03	0.78	●	104	Syrian Arab Rep.	18.82	38.70	0.26	
33	Thailand	25.94	53.77	0.77		105	Netherlands	18.68	38.40	0.25	○
34	Albania	25.93	53.75	0.76	●	106	Luxembourg	18.67	38.40	0.24	○
35	Gabon	25.91	53.71	0.76	●	107	Finland	18.59	38.22	0.24	○
36	Gambia	25.90	53.69	0.75	●	108	Sweden	18.45	37.92	0.23	○
37	Benin	25.78	53.45	0.74	●	109	Cyprus	18.44	37.91	0.22	○
38	Belize (2008)	25.46	52.76	0.73		110	Hungary	18.40	37.83	0.22	○
39	Macedonia, FYR	25.42	52.67	0.73		111	Togo (2005)	18.33	37.67	0.21	
40	United Arab Emirates	25.27	52.36	0.72		112	Burkina Faso (2006)	18.11	37.22	0.20	
41	Kazakhstan	25.11	52.01	0.71		113	Uruguay	17.86	36.68	0.19	
42	South Africa	25.01	51.81	0.71		114	Cameroon (2007)	17.72	36.38	0.19	
43	Mexico	24.99	51.77	0.70		115	Cambodia	17.37	35.64	0.18	
44	Bulgaria	24.92	51.63	0.69		116	Germany	17.34	35.58	0.17	○
45	Malawi	24.48	50.69	0.68	●	117	Azerbaijan	17.14	35.15	0.17	
46	Peru	24.43	50.58	0.68		118	Bolivia, Plurinational St.	17.01	34.87	0.16	
47	Fiji (2008)	24.42	50.56	0.67	●	119	Malta	16.81	34.46	0.15	○
48	Bangladesh	24.41	50.55	0.66	●	120	Lithuania	16.77	34.37	0.14	○
49	Yemen (2003)	24.36	50.43	0.65	●	121	Swaziland	16.55	33.91	0.14	
50	Singapore	23.83	49.32	0.65		122	Dominican Republic	16.47	33.75	0.13	○
51	Colombia	23.79	49.23	0.64		123	Denmark	16.40	33.58	0.12	○
52	Uganda	23.74	49.13	0.63	●	124	Burundi (2006)	16.38	33.54	0.12	
53	Hong Kong (China)	23.71	49.07	0.63		125	Greece	16.19	33.15	0.11	○
54	Mozambique	23.70	49.04	0.62		126	Israel	15.57	31.84	0.10	○
55	Moldova, Rep.	23.66	48.95	0.61		127	Pakistan	15.37	31.40	0.09	
56	Namibia	23.47	48.54	0.60		128	Jordan	15.33	31.33	0.09	○
57	Slovakia	23.39	48.39	0.60		129	United States of America	15.05	30.74	0.08	○
58	Croatia	23.38	48.37	0.59		130	United Kingdom	15.03	30.69	0.07	○
59	Sudan	23.32	48.24	0.58	●	131	Guatemala	14.66	29.91	0.06	○
60	Spain	22.99	47.54	0.58		132	Angola	14.63	29.85	0.06	
61	Honduras	22.96	47.46	0.57		133	Kuwait (2009)	13.92	28.33	0.05	○
62	Russian Federation	22.84	47.22	0.56		134	Côte d'Ivoire	13.85	28.20	0.04	○
63	Serbia	22.83	47.20	0.55		135	Brunei Darussalam (2008)	13.67	27.81	0.04	○
64	Tajikistan	22.81	47.16	0.55	●	136	El Salvador	13.29	27.01	0.03	○
65	Montenegro	22.79	47.12	0.54		137	Iceland	12.78	25.94	0.02	○
66	Slovenia	22.63	46.76	0.53		138	Trinidad and Tobago (2008)	11.36	22.92	0.01	○
67	Czech Republic	22.59	46.69	0.53		139	Ireland	10.79	21.72	0.01	○
68	Niger (2005)	22.59	46.69	0.52	●	140	Zimbabwe	0.53	0.00	0.00	○
69	Mauritius	22.47	46.44	0.51		n/a	Nigeria	n/a	n/a	n/a	
70	Zambia	22.41	46.30	0.50							
71	Ghana	22.40	46.30	0.50							
72	Mali (2007)	22.36	46.20	0.49	●						

SOURCE: World Bank and OECD, World Bank World Development Indicators database (2003–10)

3.3.1 GDP per unit of energy use

GDP per unit of energy use (2000 PPP\$ per kg of oil equivalent) | 2009

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Hong Kong (China)	16.03	100.00	1.00	●	73	Egypt	5.03	26.83	0.41	
2	Colombia	13.23	81.38	0.99	●	74	Czech Republic (2010)	4.98	26.50	0.41	○
3	Dominican Republic	13.04	80.12	0.98	●	75	Korea, Rep. (2010)	4.91	26.06	0.40	○
4	Peru	12.35	75.51	0.98	●	76	Gabon	4.89	25.90	0.39	
5	Morocco	11.59	70.47	0.97	●	77	Jordan	4.75	24.96	0.38	
6	Philippines	11.57	70.38	0.96	●	78	Viet Nam	4.67	24.43	0.37	
7	Bangladesh	11.16	67.63	0.95	●	79	Indonesia	4.65	24.28	0.37	
8	Sri Lanka	11.00	66.57	0.94	●	80	Pakistan	4.62	24.08	0.36	
9	Namibia	10.98	66.40	0.93	●	81	Angola	4.53	23.50	0.34	
10	Albania	10.57	63.70	0.93	●	81	Nepal	4.53	23.50	0.34	
11	Uruguay	10.34	62.17	0.92	●	83	Malaysia	4.48	23.17	0.33	○
12	Switzerland (2010)	10.18	61.12	0.91		84	Bolivia, Plurinational St.	4.46	23.04	0.33	
13	Tunisia	9.82	58.73	0.90	●	85	Finland (2010)	4.46	23.03	0.32	○
14	Panama	9.80	58.60	0.89	●	86	Bulgaria	4.28	21.85	0.31	○
15	Malta	9.67	57.72	0.89		87	Canada (2010)	4.12	20.79	0.30	○
16	Costa Rica	9.49	56.49	0.88	●	88	Estonia	4.03	20.20	0.29	○
17	Greece (2010)	9.40	55.90	0.87	●	89	Lebanon	3.90	19.28	0.28	
18	Ireland (2010)	9.35	55.61	0.86		90	Tajikistan	3.81	18.70	0.28	
19	Botswana	9.22	54.69	0.85	●	91	South Africa	3.67	17.75	0.27	
20	Israel	8.92	52.72	0.85		92	Kyrgyzstan	3.65	17.66	0.26	
21	Cambodia	8.79	51.83	0.84	●	93	Jamaica	3.55	16.98	0.25	
22	Italy (2010)	8.78	51.78	0.83		94	Moldova, Rep.	3.53	16.87	0.24	
23	United Kingdom (2010)	8.64	50.82	0.82		95	Belarus	3.48	16.53	0.24	
24	Argentina	8.42	49.37	0.81	●	96	Syrian Arab Rep.	3.48	16.51	0.23	
25	Denmark (2010)	8.36	49.00	0.80		97	Togo	3.41	16.04	0.22	
26	Portugal (2010)	8.24	48.22	0.80		98	Ethiopia	3.37	15.80	0.21	
27	Spain (2010)	8.22	48.04	0.79		99	Mozambique	3.29	15.28	0.20	
28	Turkey (2010)	8.20	47.95	0.78	●	100	Oman	3.25	15.01	0.20	
29	Austria (2010)	8.12	47.37	0.77		101	Benin	2.90	12.66	0.19	
30	Singapore	7.94	46.17	0.76		102	Venezuela, Bolivarian Rep.	2.86	12.38	0.18	
31	Senegal	7.69	44.51	0.76	●	103	Côte d'Ivoire	2.78	11.89	0.17	
32	Luxembourg (2010)	7.52	43.39	0.75		104	Yemen	2.75	11.66	0.16	
33	Croatia	7.26	41.65	0.74		105	Iran, Islamic Rep.	2.67	11.15	0.15	
34	Honduras	7.24	41.55	0.73	●	106	Brunei Darussalam	2.60	10.69	0.15	○
35	Japan (2010)	7.13	40.79	0.72		107	Ukraine	2.50	9.97	0.14	○
36	Cyprus	7.02	40.06	0.72		108	Kuwait	2.40	9.33	0.13	○
37	Germany (2010)	7.01	40.02	0.71		109	Kenya	2.40	9.31	0.12	○
38	Mexico (2010)	6.97	39.76	0.70	●	110	Russian Federation	2.37	9.10	0.11	○
39	Brazil	6.88	39.13	0.69		111	Saudi Arabia	2.36	9.04	0.11	○
40	Chile	6.81	38.69	0.67		112	Serbia	2.29	8.62	0.10	○
40	El Salvador	6.81	38.69	0.67		113	Mongolia	2.29	8.61	0.09	○
42	Ghana	6.79	38.57	0.67	●	114	Zimbabwe	2.08	7.20	0.08	
43	India	6.76	38.32	0.66		115	Kazakhstan	2.03	6.85	0.07	○
44	France (2010)	6.54	36.91	0.65		116	United Arab Emirates	1.96	6.39	0.07	○
45	Slovenia	6.44	36.24	0.64		117	Bahrain	1.89	5.95	0.06	○
46	Netherlands (2010)	6.42	36.10	0.63		118	Iceland (2010)	1.89	5.91	0.05	○
47	Latvia	6.42	36.07	0.63		119	Zambia	1.71	4.77	0.04	○
48	Azerbaijan	6.39	35.85	0.62		120	Nigeria	1.66	4.42	0.03	
49	Nicaragua	6.34	35.56	0.61	●	121	Tanzania, United Rep.	1.61	4.06	0.02	○
50	Guatemala	6.20	34.64	0.60		122	Qatar	1.53	3.55	0.02	○
51	Norway (2010)	6.13	34.18	0.59		123	Uzbekistan	1.36	2.43	0.01	○
52	Paraguay	6.03	33.47	0.59		124	Trinidad and Tobago	1.00	0.00	0.00	○
53	Armenia	6.01	33.35	0.58		n/a	Belize	n/a	n/a	n/a	
54	Sweden (2010)	5.97	33.06	0.57	○	n/a	Burkina Faso	n/a	n/a	n/a	
55	Hungary (2010)	5.87	32.39	0.56		n/a	Burundi	n/a	n/a	n/a	
56	Poland (2010)	5.82	32.09	0.55		n/a	Fiji	n/a	n/a	n/a	
57	Romania	5.81	32.03	0.54		n/a	Gambia	n/a	n/a	n/a	
58	New Zealand (2010)	5.76	31.67	0.54		n/a	Guyana	n/a	n/a	n/a	
59	Sudan	5.75	31.60	0.53	●	n/a	Lao PDR	n/a	n/a	n/a	
60	Australia (2010)	5.74	31.54	0.52		n/a	Lesotho	n/a	n/a	n/a	
61	Belgium (2010)	5.71	31.36	0.51	○	n/a	Madagascar	n/a	n/a	n/a	
62	Algeria	5.69	31.23	0.50		n/a	Malawi	n/a	n/a	n/a	
63	Bosnia and Herzegovina	5.56	30.39	0.50		n/a	Mali	n/a	n/a	n/a	
64	Slovakia (2010)	5.49	29.86	0.49		n/a	Mauritius	n/a	n/a	n/a	
65	Lithuania	5.48	29.84	0.48		n/a	Montenegro	n/a	n/a	n/a	
66	Cameroon	5.43	29.47	0.47	●	n/a	Niger	n/a	n/a	n/a	
67	China	5.40	29.31	0.46		n/a	Rwanda	n/a	n/a	n/a	
68	Macedonia, FYR	5.38	29.16	0.46		n/a	Swaziland	n/a	n/a	n/a	
69	Thailand	5.33	28.81	0.45		n/a	Uganda	n/a	n/a	n/a	
70	Ecuador	5.30	28.62	0.44							
71	United States of America (2010)	5.23	28.15	0.43							
72	Georgia	5.09	27.22	0.42							

SOURCE: International Energy Agency, *World Energy Balances* online data service (2009–10)

3.3.2 Environmental performance

Environmental performance index* | 2010

355

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Switzerland	76.69	76.69	1.00	●	73	Guatemala	51.88	51.88	0.40	
2	Latvia	70.37	70.37	0.99	●	74	United Arab Emirates	50.91	50.91	0.40	
3	Norway	69.92	69.92	0.98	●	75	Namibia	50.68	50.68	0.39	
4	Luxembourg	69.20	69.20	0.98	●	76	Viet Nam	50.64	50.64	0.38	
5	Costa Rica	69.03	69.03	0.97	●	77	Benin	50.38	50.38	0.37	
6	France	69.00	69.00	0.96	●	78	Peru	50.29	50.29	0.36	
7	Austria	68.92	68.92	0.95	●	79	Saudi Arabia	49.97	49.97	0.36	
8	Italy	68.90	68.90	0.94	●	80	Kenya	49.28	49.28	0.35	
9	United Kingdom	68.82	68.82	0.93		81	Mexico	49.11	49.11	0.34	
10	Sweden	68.82	68.82	0.93		82	Togo	48.66	48.66	0.33	
11	Germany	66.91	66.91	0.92		83	Algeria	48.56	48.56	0.32	
12	Slovakia	66.62	66.62	0.91	●	84	Malta	48.51	48.51	0.31	○
13	Iceland	66.28	66.28	0.90		85	Romania	48.34	48.34	0.31	
14	New Zealand	66.05	66.05	0.89		86	Mozambique	47.82	47.82	0.30	
15	Albania	65.85	65.85	0.88	●	87	Angola	47.57	47.57	0.29	
16	Netherlands	65.65	65.65	0.88		88	Ghana	47.50	47.50	0.28	
17	Lithuania	65.50	65.50	0.87	●	89	Armenia	47.48	47.48	0.27	
18	Czech Republic	64.79	64.79	0.86		90	Lebanon	47.35	47.35	0.26	
19	Finland	64.44	64.44	0.85		91	Trinidad and Tobago	47.04	47.04	0.26	
20	Croatia	64.16	64.16	0.84	●	92	Macedonia, FYR	46.96	46.96	0.25	○
21	Denmark	63.61	63.61	0.83		93	Senegal	46.73	46.73	0.24	
22	Poland	63.47	63.47	0.83	●	94	Tunisia	46.66	46.66	0.23	○
23	Japan	63.36	63.36	0.82		95	Qatar	46.59	46.59	0.22	
24	Belgium	63.02	63.02	0.81		96	Kyrgyzstan	46.33	46.33	0.21	
25	Malaysia	62.51	62.51	0.80		97	Ukraine	46.31	46.31	0.21	○
26	Brunei Darussalam	62.49	62.49	0.79		98	Serbia	46.14	46.14	0.20	○
27	Colombia	62.33	62.33	0.79		99	Sudan	46.00	46.00	0.19	
28	Slovenia	62.25	62.25	0.78		100	Morocco	45.76	45.76	0.18	○
29	Brazil	60.90	60.90	0.77	●	101	Russian Federation	45.43	45.43	0.17	○
30	Ecuador	60.55	60.55	0.76	●	102	Mongolia	45.37	45.37	0.17	○
31	Spain	60.31	60.31	0.75		103	Moldova, Rep.	45.21	45.21	0.16	○
32	Greece	60.04	60.04	0.74		104	Turkey	44.80	44.80	0.15	○
33	Thailand	59.98	59.98	0.74		105	Oman	44.00	44.00	0.14	○
34	Nicaragua	59.23	59.23	0.73	●	106	Azerbaijan	43.11	43.11	0.13	
35	Ireland	58.69	58.69	0.72		107	Cameroon	42.97	42.97	0.12	
36	Canada	58.41	58.41	0.71		108	Syrian Arab Rep.	42.75	42.75	0.12	
37	Nepal	57.97	57.97	0.70	●	109	Iran, Islamic Rep.	42.73	42.73	0.11	
38	Panama	57.94	57.94	0.69		110	Bangladesh	42.55	42.55	0.10	
39	Gabon	57.91	57.91	0.69	●	111	China	42.24	42.24	0.09	○
40	Portugal	57.64	57.64	0.68		112	Jordan	42.16	42.16	0.08	○
41	Philippines	57.40	57.40	0.67	●	113	Nigeria	40.14	40.14	0.07	
42	Korea, Rep.	57.20	57.20	0.66		114	Pakistan	39.56	39.56	0.07	
43	Cyprus	57.15	57.15	0.65		115	Tajikistan	38.78	38.78	0.06	○
44	Hungary	57.12	57.12	0.64		116	Bosnia and Herzegovina	36.76	36.76	0.05	○
45	Uruguay	57.06	57.06	0.64		117	India	36.23	36.23	0.04	○
46	Georgia	56.84	56.84	0.63		118	Kuwait	35.54	35.54	0.03	○
47	Australia	56.61	56.61	0.62		119	Yemen	35.49	35.49	0.02	
48	United States of America	56.59	56.59	0.61		120	South Africa	34.55	34.55	0.02	○
49	Argentina	56.48	56.48	0.60		121	Kazakhstan	32.94	32.94	0.01	○
50	Singapore	56.36	56.36	0.60		122	Uzbekistan	32.24	32.24	0.00	○
51	Bulgaria	56.28	56.28	0.59		n/a	Bahrain	n/a	n/a	n/a	
52	Estonia	56.09	56.09	0.58		n/a	Belize	n/a	n/a	n/a	
53	Sri Lanka	55.72	55.72	0.57		n/a	Burkina Faso	n/a	n/a	n/a	
54	Venezuela, Bolivarian Rep.	55.62	55.62	0.56		n/a	Burundi	n/a	n/a	n/a	
55	Zambia	55.56	55.56	0.55		n/a	Fiji	n/a	n/a	n/a	
56	Chile	55.34	55.34	0.55		n/a	Gambia	n/a	n/a	n/a	
57	Cambodia	55.29	55.29	0.54		n/a	Guyana	n/a	n/a	n/a	
58	Egypt	55.18	55.18	0.53		n/a	Hong Kong (China)	n/a	n/a	n/a	
59	Israel	54.64	54.64	0.52		n/a	Lao PDR	n/a	n/a	n/a	
60	Bolivia, Plurinational St.	54.57	54.57	0.51		n/a	Lesotho	n/a	n/a	n/a	
61	Jamaica	54.36	54.36	0.50		n/a	Madagascar	n/a	n/a	n/a	
62	Tanzania, United Rep.	54.26	54.26	0.50		n/a	Malawi	n/a	n/a	n/a	
63	Belarus	53.88	53.88	0.49		n/a	Mali	n/a	n/a	n/a	
64	Botswana	53.74	53.74	0.48		n/a	Mauritius	n/a	n/a	n/a	
65	Côte d'Ivoire	53.55	53.55	0.47	●	n/a	Montenegro	n/a	n/a	n/a	
66	Zimbabwe	52.76	52.76	0.46		n/a	Niger	n/a	n/a	n/a	
67	Ethiopia	52.71	52.71	0.45		n/a	Rwanda	n/a	n/a	n/a	
68	Honduras	52.54	52.54	0.45		n/a	Swaziland	n/a	n/a	n/a	
69	Dominican Republic	52.44	52.44	0.44		n/a	Uganda	n/a	n/a	n/a	
70	Paraguay	52.40	52.40	0.43							
71	Indonesia	52.29	52.29	0.42							
72	El Salvador	52.08	52.08	0.41							

SOURCE: Yale University and Columbia University Environmental Performance Index 2012

3.3.3 ISO 14001 environmental certificates

ISO 14001 Environmental management systems—Requirements with guidance for use: Number of certificates issued (per billion GDP in PPP\$) | 2010

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Romania	29.10	100.00	0.98	●	73	Oman	0.61	4.55	0.46	
1	Czech Republic	25.29	100.00	0.98	●	74	Philippines	0.60	4.53	0.46	
1	Spain	13.37	100.00	0.98	●	75	Zambia	0.60	4.49	0.45	
1	Sweden	12.97	100.00	0.98	●	76	Qatar	0.58	4.36	0.44	
5	Estonia	12.36	95.26	0.97	●	77	Pakistan	0.55	4.14	0.43	
6	Lithuania	12.09	93.18	0.96	●	78	Mexico	0.52	3.87	0.43	
7	Bulgaria	10.29	79.32	0.96	●	79	Fiji	0.50	3.75	0.42	
8	Hungary	9.66	74.42	0.95	●	80	Bolivia, Plurinational St.	0.48	3.58	0.41	
9	Italy	9.59	73.92	0.94	●	81	Armenia	0.48	3.55	0.40	
10	Slovakia	9.14	70.45	0.93	●	82	Jamaica	0.46	3.45	0.40	
11	Japan	8.06	62.10	0.93		83	Luxembourg	0.46	3.43	0.39	
12	Switzerland	7.88	60.71	0.92		84	Syrian Arab Rep.	0.45	3.32	0.38	
13	Latvia	7.33	56.45	0.91	●	85	Iceland	0.42	3.14	0.37	
14	Slovenia	7.04	54.23	0.90	●	86	Morocco	0.41	3.07	0.37	
15	China	6.90	53.11	0.90		87	Kuwait	0.39	2.88	0.36	
16	Korea, Rep.	6.60	50.85	0.89		88	Dominican Republic	0.37	2.70	0.35	
17	United Kingdom	6.58	50.64	0.88		89	Algeria	0.34	2.52	0.34	
18	Finland	5.98	46.02	0.87		90	Burundi (2008)	0.32	2.37	0.34	
19	Cyprus	5.85	45.01	0.87		91	Panama	0.31	2.31	0.33	
20	Croatia	5.73	44.12	0.86	●	92	Guatemala	0.31	2.29	0.32	
21	Denmark	5.00	38.49	0.85		93	United States of America	0.30	2.22	0.31	○
22	Serbia	4.19	32.25	0.84	●	94	Kenya (2009)	0.29	2.11	0.31	
23	Malaysia	4.02	30.88	0.84		95	Nicaragua	0.28	2.07	0.30	
24	Thailand	3.67	28.17	0.83	●	96	Mauritius	0.27	2.00	0.29	
25	Austria	3.54	27.23	0.82		97	Moldova, Rep.	0.27	1.98	0.28	
26	Norway	3.42	26.30	0.81		98	Honduras	0.27	1.94	0.28	
27	Portugal	3.39	26.02	0.81		99	El Salvador	0.26	1.85	0.27	
28	Ireland	3.38	25.94	0.80		100	Lao PDR	0.25	1.84	0.26	
29	Bosnia and Herzegovina	3.28	25.22	0.79	●	101	Nepal	0.25	1.82	0.25	
30	Zimbabwe	3.10	23.84	0.78	●	102	Trinidad and Tobago	0.23	1.66	0.25	
31	Hong Kong (China)	3.09	23.75	0.78		103	Côte d'Ivoire	0.22	1.55	0.24	
32	Macedonia, FYR	3.06	23.47	0.77		104	Saudi Arabia	0.22	1.54	0.23	
33	Singapore	2.81	21.55	0.76		105	Senegal	0.21	1.49	0.22	
34	Chile	2.76	21.20	0.75		106	Belarus	0.21	1.47	0.22	○
35	Israel	2.68	20.55	0.75		107	Azerbaijan	0.20	1.41	0.21	
36	United Arab Emirates	2.66	20.40	0.74		108	Mali (2009)	0.19	1.34	0.20	
37	Poland	2.48	19.02	0.73		109	Venezuela, Bolivarian Rep.	0.19	1.33	0.19	
38	France	2.46	18.87	0.72		110	Lebanon	0.18	1.31	0.19	
39	Colombia	2.38	18.25	0.72		111	Guyana	0.18	1.30	0.18	
40	Uruguay	2.24	17.20	0.71		112	Niger	0.18	1.27	0.17	
41	Montenegro	2.22	17.05	0.70		113	Georgia	0.18	1.25	0.16	
42	Netherlands	2.19	16.82	0.69		114	Kyrgyzstan	0.17	1.16	0.16	
43	Belgium	2.07	15.84	0.69		115	Ethiopia (2009)	0.16	1.15	0.15	
44	Germany	2.04	15.61	0.68		116	Uganda	0.14	0.98	0.14	
45	Jordan	1.99	15.21	0.67		117	Mozambique	0.14	0.94	0.13	
46	Costa Rica	1.85	14.17	0.66		118	Cameroon	0.13	0.92	0.13	
47	Greece	1.76	13.45	0.66		119	Gabon	0.13	0.91	0.12	
48	Turkey	1.70	13.01	0.65		120	Cambodia	0.13	0.90	0.11	
49	Australia	1.67	12.74	0.64		121	Paraguay	0.12	0.81	0.10	
50	South Africa	1.55	11.84	0.63		122	Uzbekistan	0.10	0.69	0.10	
51	Malta	1.54	11.73	0.63		123	Malawi (2008)	0.09	0.59	0.09	
52	Peru	1.45	11.07	0.62		124	Mongolia	0.09	0.58	0.08	○
53	New Zealand	1.43	10.95	0.61		125	Ghana (2009)	0.08	0.53	0.07	○
54	Argentina	1.33	10.18	0.60		126	Botswana	0.07	0.44	0.07	○
55	Brazil	1.29	9.85	0.60		127	Nigeria	0.06	0.33	0.06	
56	Bahrain	1.28	9.72	0.59		128	Tanzania, United Rep.	0.05	0.28	0.05	
57	Ecuador	1.21	9.22	0.58	●	129	Madagascar	0.05	0.27	0.04	○
58	Belize	1.12	8.52	0.57		130	Burkina Faso	0.05	0.26	0.04	
59	Viet Nam	1.10	8.40	0.57		131	Angola	0.05	0.23	0.03	○
60	Indonesia	1.00	7.56	0.56		132	Albania (2009)	0.04	0.22	0.02	○
61	Brunei Darussalam	0.99	7.54	0.55		133	Sudan	0.04	0.20	0.01	○
62	Egypt	0.99	7.53	0.54		134	Yemen	0.02	0.00	0.01	○
63	India	0.96	7.26	0.54		135	Bangladesh	0.02	0.00	0.00	○
64	Tunisia	0.88	6.70	0.53		n/a	Benin	n/a	n/a	n/a	
65	Russian Federation	0.88	6.64	0.52		n/a	Gambia	n/a	n/a	n/a	
66	Iran, Islamic Rep.	0.87	6.60	0.51		n/a	Lesotho	n/a	n/a	n/a	
67	Canada	0.81	6.17	0.51	○	n/a	Rwanda	n/a	n/a	n/a	
68	Sri Lanka	0.79	5.96	0.50		n/a	Tajikistan	n/a	n/a	n/a	
69	Ukraine	0.67	5.07	0.49		n/a	Togo	n/a	n/a	n/a	
70	Swaziland	0.66	4.95	0.49							
71	Kazakhstan	0.64	4.81	0.48							
72	Namibia	0.61	4.61	0.47							

SOURCE: International Organization for Standardization (ISO), *The ISO Survey of Certifications 2010* CD-Rom (2008–10)

4.1.1

Ease of getting credit

Ease of getting credit, percent rank index*^r | 2011

357

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Malaysia	1.00	100.00	0.99	●	72	Chile	0.59	38.68	0.38	
1	South Africa	1.00	100.00	0.99	●	72	Cyprus	0.59	38.68	0.38	
1	United Kingdom	1.00	100.00	0.99	●	72	Dominican Republic	0.59	38.68	0.38	
4	Hong Kong (China)	0.98	97.06	0.96		72	Ecuador	0.59	38.68	0.38	
4	Latvia	0.98	97.06	0.96	●	72	Egypt	0.59	38.68	0.38	
4	New Zealand	0.98	97.06	0.96		72	Greece	0.59	38.68	0.38	
4	United States of America	0.98	97.06	0.96		72	Kazakhstan	0.59	38.68	0.38	
8	Australia	0.96	87.61	0.86		72	Lebanon	0.59	38.68	0.38	
8	Bulgaria	0.96	87.61	0.86	●	72	Mauritius	0.59	38.68	0.38	
8	Guatemala	0.96	87.61	0.86	●	72	Mongolia	0.59	38.68	0.38	
8	Ireland	0.96	87.61	0.86		72	Nigeria	0.59	38.68	0.38	
8	Israel	0.96	87.61	0.86		72	Paraguay	0.59	38.68	0.38	
8	Kenya	0.96	87.61	0.86	●	72	Sri Lanka	0.59	38.68	0.38	
8	Korea, Rep.	0.96	87.61	0.86		72	Turkey	0.59	38.68	0.38	
8	Kyrgyzstan	0.96	87.61	0.86	●	72	United Arab Emirates	0.59	38.68	0.38	
8	Montenegro	0.96	87.61	0.86	●	88	Belarus	0.48	27.01	0.27	
8	Poland	0.96	87.61	0.86	●	88	Belize	0.48	27.01	0.27	
8	Romania	0.96	87.61	0.86	●	88	Brazil	0.48	27.01	0.27	
8	Singapore	0.96	87.61	0.86		88	Cambodia	0.48	27.01	0.27	
8	Zambia	0.96	87.61	0.86	●	88	Costa Rica	0.48	27.01	0.27	
21	Albania	0.89	77.36	0.76	●	88	Iran, Islamic Rep.	0.48	27.01	0.27	
21	Austria	0.89	77.36	0.76		88	Italy	0.48	27.01	0.27	○
21	Canada	0.89	77.36	0.76		88	Jamaica	0.48	27.01	0.27	
21	Denmark	0.89	77.36	0.76		88	Kuwait	0.48	27.01	0.27	
21	Georgia	0.89	77.36	0.76		88	Moldova, Rep.	0.48	27.01	0.27	
21	Germany	0.89	77.36	0.76		88	Morocco	0.48	27.01	0.27	
21	Japan	0.89	77.36	0.76		88	Nicaragua	0.48	27.01	0.27	
21	Namibia	0.89	77.36	0.76	●	88	Russian Federation	0.48	27.01	0.27	
21	Peru	0.89	77.36	0.76	●	88	Slovenia	0.48	27.01	0.27	○
21	Serbia	0.89	77.36	0.76		88	Tanzania, United Rep.	0.48	27.01	0.27	
21	Slovakia	0.89	77.36	0.76		88	Tunisia	0.48	27.01	0.27	
21	Switzerland	0.89	77.36	0.76		104	Bahrain	0.37	21.12	0.21	○
21	Ukraine	0.89	77.36	0.76		104	Bolivia, Plurinational St.	0.37	21.12	0.21	
21	Viet Nam	0.89	77.36	0.76		104	Brunei Darussalam	0.37	21.12	0.21	
35	Estonia	0.80	71.57	0.71		104	Indonesia	0.37	21.12	0.21	
35	Finland	0.80	71.57	0.71		104	Malawi	0.37	21.12	0.21	
35	Honduras	0.80	71.57	0.71	●	104	Philippines	0.37	21.12	0.21	
35	Hungary	0.80	71.57	0.71		104	Portugal	0.37	21.12	0.21	○
35	Iceland	0.80	71.57	0.71		104	Zimbabwe	0.37	21.12	0.21	
35	India	0.80	71.57	0.71		112	Angola	0.29	15.33	0.15	
35	Rwanda	0.80	71.57	0.71	●	112	Ethiopia	0.29	15.33	0.15	
35	Trinidad and Tobago	0.80	71.57	0.71		112	Jordan	0.29	15.33	0.15	○
43	Armenia	0.76	57.66	0.57		112	Lesotho	0.29	15.33	0.15	
43	Azerbaijan	0.76	57.66	0.57		112	Luxembourg	0.29	15.33	0.15	○
43	Belgium	0.76	57.66	0.57		112	Mozambique	0.29	15.33	0.15	
43	Botswana	0.76	57.66	0.57		112	Oman	0.29	15.33	0.15	○
43	Czech Republic	0.76	57.66	0.57		112	Qatar	0.29	15.33	0.15	○
43	El Salvador	0.76	57.66	0.57		120	Algeria	0.24	10.86	0.11	
43	France	0.76	57.66	0.57		120	Cameroon	0.24	10.86	0.11	
43	Ghana	0.76	57.66	0.57		120	Gabon	0.24	10.86	0.11	
43	Lithuania	0.76	57.66	0.57		120	Gambia	0.24	10.86	0.11	
43	Macedonia, FYR	0.76	57.66	0.57		120	Uzbekistan	0.24	10.86	0.11	
43	Mexico	0.76	57.66	0.57		120	Yemen	0.24	10.86	0.11	
43	Netherlands	0.76	57.66	0.57		126	Benin	0.17	2.84	0.03	○
43	Norway	0.76	57.66	0.57		126	Burkina Faso	0.17	2.84	0.03	○
43	Panama	0.76	57.66	0.57		126	Burundi	0.17	2.84	0.03	
43	Saudi Arabia	0.76	57.66	0.57		126	Côte d'Ivoire	0.17	2.84	0.03	○
43	Spain	0.76	57.66	0.57		126	Guyana	0.17	2.84	0.03	○
43	Swaziland	0.76	57.66	0.57		126	Lao PDR	0.17	2.84	0.03	○
43	Sweden	0.76	57.66	0.57	○	126	Mali	0.17	2.84	0.03	○
43	Uganda	0.76	57.66	0.57	●	126	Niger	0.17	2.84	0.03	
62	Argentina	0.65	50.36	0.50		126	Senegal	0.17	2.84	0.03	○
62	Bosnia and Herzegovina	0.65	50.36	0.50		126	Sudan	0.17	2.84	0.03	
62	China	0.65	50.36	0.50		126	Togo	0.17	2.84	0.03	○
62	Colombia	0.65	50.36	0.50		137	Syrian Arab Rep.	0.07	1.42	0.01	○
62	Croatia	0.65	50.36	0.50		137	Tajikistan	0.07	1.42	0.01	○
62	Fiji	0.65	50.36	0.50		139	Madagascar	0.03	0.71	0.01	○
62	Nepal	0.65	50.36	0.50		140	Venezuela, Bolivarian Rep.	0.01	0.00	0.00	○
62	Pakistan	0.65	50.36	0.50	●	n/a	Malta	n/a	n/a	n/a	
62	Thailand	0.65	50.36	0.50							
62	Uruguay	0.65	50.36	0.50							
72	Bangladesh	0.59	38.68	0.38							

SOURCE: World Bank, Ease of Doing Business Index 2012, *Doing Business* 2012

4.1.2 Domestic credit to private sector

Domestic credit to private sector (% of GDP) | 2010

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Cyprus	283.61	100.00	1.00	●	73	Slovakia (2008)	44.93	13.60	0.48	
2	Denmark	225.00	78.78	0.99	●	74	Belarus	44.78	13.54	0.47	
3	Spain	211.63	73.94	0.99	●	75	Brunei Darussalam (2009)	44.51	13.44	0.47	
4	Ireland	210.19	73.42	0.98	●	76	Zimbabwe (2006)	44.48	13.43	0.46	
5	United Kingdom	204.02	71.19	0.97	●	77	Turkey	43.95	13.24	0.45	
6	United States of America	202.21	70.53	0.96	●	78	Colombia	43.54	13.09	0.45	
7	Netherlands	199.30	69.48	0.96		79	El Salvador	41.02	12.18	0.44	
8	Portugal	190.75	66.39	0.95	●	80	Bolivia, Plurinational St.	40.34	11.94	0.43	
9	Hong Kong (China)	189.04	65.76	0.94		81	Mongolia	39.60	11.67	0.42	
10	Luxembourg	185.45	64.46	0.94		82	Kazakhstan	39.30	11.56	0.42	
11	Switzerland	174.62	60.55	0.93		83	Trinidad and Tobago (2009)	39.20	11.52	0.41	
12	Japan	169.16	58.57	0.92		84	Albania	37.96	11.07	0.40	
13	New Zealand	149.03	51.28	0.91		85	Guyana	37.81	11.02	0.40	
14	South Africa	145.48	49.99	0.91	●	86	Iran, Islamic Rep. (2009)	36.66	10.60	0.39	
15	Sweden	140.02	48.02	0.90		87	Kenya	33.83	9.58	0.38	
16	Malta	131.37	44.89	0.89		88	Moldova, Rep.	33.28	9.38	0.37	
17	China	130.02	44.40	0.88		89	Egypt	33.07	9.30	0.37	
18	Canada (2008)	128.25	43.76	0.88		90	Paraguay	32.77	9.19	0.36	
19	Australia (2009)	127.83	43.61	0.87		91	Nicaragua	32.52	9.10	0.35	
20	Viet Nam	124.97	42.57	0.86	●	92	Georgia	32.40	9.06	0.35	
21	Italy	122.54	41.69	0.86	●	93	Ecuador	30.87	8.50	0.34	
22	Austria	122.39	41.64	0.85		94	Philippines	29.58	8.04	0.33	
23	Thailand	116.65	39.56	0.84	●	95	Nigeria	29.43	7.99	0.32	
24	Greece	115.95	39.31	0.83	●	96	Indonesia	29.13	7.87	0.32	
25	Malaysia	114.88	38.92	0.83		97	Tajikistan (2007)	28.93	7.80	0.31	
26	France	114.42	38.75	0.82		98	Cambodia	27.56	7.31	0.30	
27	Germany	107.77	36.35	0.81		99	Sri Lanka	26.68	6.99	0.29	
28	Iceland	107.61	36.29	0.81		100	Armenia	26.50	6.92	0.29	
29	Latvia	103.72	34.88	0.80		101	Senegal	25.87	6.70	0.28	
30	Singapore	102.15	34.31	0.79		102	Mozambique	25.77	6.66	0.27	
31	Korea, Rep.	100.84	33.83	0.78		103	Burundi	25.50	6.56	0.27	
32	Estonia	97.22	32.53	0.78		104	Jamaica	24.81	6.31	0.26	
33	Israel	95.70	31.98	0.77		105	Mexico	24.64	6.25	0.25	
34	Finland	94.94	31.70	0.76		106	Peru	24.26	6.11	0.24	
35	Belgium	94.87	31.68	0.76		107	Guatemala	23.44	5.82	0.24	
36	Slovenia	94.38	31.50	0.75		108	Botswana	23.40	5.80	0.23	
37	Panama	91.45	30.44	0.74		109	Benin	23.07	5.68	0.22	
38	Mauritius	87.81	29.12	0.73		110	Togo	22.97	5.65	0.22	
39	Norway (2006)	87.04	28.84	0.73		111	Swaziland	22.96	5.64	0.21	
40	Chile	86.27	28.56	0.72		112	Dominican Republic	22.68	5.54	0.20	
41	Kuwait (2009)	82.41	27.16	0.71		113	Syrian Arab Rep.	22.51	5.48	0.19	
42	Lebanon	81.34	26.78	0.71		114	Uruguay	22.30	5.40	0.19	
43	Bahrain (2009)	79.57	26.13	0.70		115	Venezuela, Bolivarian Rep. (2008)	21.70	5.19	0.18	
44	Bulgaria	74.60	24.34	0.69		116	Pakistan	21.46	5.10	0.17	
45	Hungary	72.60	23.61	0.68		117	Lao PDR	20.44	4.73	0.17	
46	United Arab Emirates	72.46	23.56	0.68		118	Angola	20.28	4.67	0.16	
47	Jordan	70.30	22.78	0.67		119	Gambia	19.08	4.24	0.15	
48	Croatia	70.09	22.70	0.66		120	Mali	18.37	3.98	0.14	
49	Morocco	68.79	22.24	0.65	●	121	Azerbaijan	18.27	3.94	0.14	
50	Tunisia	68.76	22.22	0.65		122	Côte d'Ivoire	18.13	3.89	0.13	
51	Montenegro	66.97	21.58	0.64		123	Ethiopia (2008)	17.85	3.79	0.12	
52	Lithuania	66.41	21.37	0.63		124	Burkina Faso	17.61	3.71	0.12	
53	Belize	62.21	19.85	0.63		125	Tanzania, United Rep.	16.11	3.16	0.11	
54	Ukraine	61.73	19.68	0.62		126	Malawi	15.99	3.12	0.10	
55	Brazil	56.99	17.96	0.61		127	Uganda	15.81	3.05	0.09	
56	Czech Republic	56.23	17.69	0.60		128	Algeria	15.81	3.05	0.09	
57	Nepal	55.56	17.44	0.60	●	129	Ghana	15.23	2.84	0.08	○
58	Poland	54.79	17.17	0.59		130	Kyrgyzstan (2007)	15.05	2.78	0.07	
59	Bosnia and Herzegovina	54.68	17.13	0.58		131	Argentina	14.62	2.62	0.06	○
60	Fiji	52.39	16.30	0.58		132	Lesotho	13.57	2.24	0.06	○
61	Serbia	51.49	15.97	0.57		133	Niger	12.63	1.90	0.05	
62	Qatar (2009)	51.46	15.96	0.56		134	Madagascar	11.71	1.57	0.04	○
63	Honduras	50.53	15.63	0.55		135	Sudan	11.62	1.54	0.04	
64	India	49.01	15.07	0.55		136	Cameroon	11.55	1.51	0.03	○
65	Oman (2009)	48.21	14.78	0.54		137	Zambia	11.50	1.50	0.02	○
66	Saudi Arabia	47.59	14.56	0.53		138	Rwanda (2005)	11.21	1.39	0.01	○
67	Bangladesh	47.05	14.36	0.53		139	Gabon	8.16	0.29	0.01	○
68	Romania	46.14	14.03	0.52		140	Yemen (2009)	7.37	0.00	0.00	○
69	Costa Rica	45.88	13.94	0.51		n/a	Uzbekistan	n/a	n/a	n/a	
70	Namibia	45.64	13.85	0.50							
71	Macedonia, FYR	45.27	13.72	0.50							
72	Russian Federation	45.14	13.67	0.49							

SOURCE: International Monetary Fund; World Bank and OECD GDP estimates, World Bank *World Development Indicators* database (2005–10)

4.1.3

Microfinance institutions' gross loan portfolio

Microfinance institutions: Gross loan portfolio (% of GDP) | 2010

359

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Mongolia	14.77	100.00	0.97	●	73	Nigeria	0.04	0.50	0.21	
1	Cambodia (2011)	12.35	100.00	0.97	●	74	Syrian Arab Rep.	0.04	0.46	0.20	
1	Bolivia, Plurinational St. (2011)	11.45	100.00	0.97	●	75	Yemen	0.04	0.45	0.19	
1	Peru (2011)	8.28	100.00	0.97	●	76	Venezuela, Bolivarian Rep. (2011)	0.03	0.39	0.18	
5	Tajikistan	7.46	90.15	0.96	●	77	Zambia	0.03	0.34	0.16	
6	Armenia	5.30	64.07	0.95	●	78	Trinidad and Tobago (2008)	0.02	0.19	0.15	
7	Ghana	5.12	61.84	0.93	●	79	Uruguay (2011)	0.01	0.18	0.14	○
8	Nicaragua	4.65	56.21	0.92	●	80	Poland	0.01	0.16	0.13	○
9	Kyrgyzstan (2011)	4.56	55.12	0.91	●	81	Angola	0.01	0.14	0.12	
10	Viet Nam	4.49	54.27	0.90	●	82	Croatia (2007)	0.01	0.14	0.11	○
11	Paraguay (2011)	4.19	50.58	0.89	●	83	Russian Federation	0.01	0.13	0.10	○
12	Georgia	3.94	47.61	0.88	●	84	Gabon	0.01	0.12	0.09	○
13	Bosnia and Herzegovina	3.79	45.84	0.87	●	85	Argentina	0.01	0.11	0.08	○
14	Kenya	3.79	45.81	0.86	●	86	Zimbabwe (2009)	0.01	0.10	0.07	
15	Togo	3.54	42.72	0.85	●	87	Namibia (2008)	0.00	0.05	0.05	○
16	Ecuador (2011)	3.45	41.70	0.84	●	88	Turkey	0.00	0.02	0.04	○
17	Albania	3.08	37.27	0.82	●	89	Sudan	0.00	0.02	0.03	
18	Macedonia, FYR	2.62	31.63	0.81	●	90	Hungary (2007)	0.00	0.01	0.02	○
19	Senegal	2.53	30.60	0.80	●	91	Thailand	0.00	0.01	0.01	○
20	Bangladesh	2.49	30.12	0.79	●	92	Slovakia (2001)	0.00	0.00	0.00	○
21	Azerbaijan (2011)	2.33	28.16	0.78	●	n/a	Algeria	n/a	n/a	n/a	
22	Benin	1.89	22.83	0.77	●	n/a	Australia	n/a	n/a	n/a	
23	El Salvador	1.83	22.14	0.76	●	n/a	Austria	n/a	n/a	n/a	
24	Serbia	1.79	21.64	0.75		n/a	Bahrain	n/a	n/a	n/a	
25	Moldova, Rep.	1.68	20.35	0.74		n/a	Belarus	n/a	n/a	n/a	
26	Honduras	1.63	19.67	0.73	●	n/a	Belgium	n/a	n/a	n/a	
27	Burkina Faso	1.56	18.79	0.71	●	n/a	Botswana	n/a	n/a	n/a	
28	Colombia (2011)	1.53	18.43	0.70		n/a	Brunei Darussalam	n/a	n/a	n/a	
29	Uganda	1.51	18.22	0.69	●	n/a	Canada	n/a	n/a	n/a	
30	Swaziland (2009)	1.47	17.78	0.68		n/a	Cyprus	n/a	n/a	n/a	
31	Bulgaria	1.41	17.04	0.67		n/a	Czech Republic	n/a	n/a	n/a	
32	Ethiopia (2011)	1.28	15.49	0.66	●	n/a	Denmark	n/a	n/a	n/a	
33	Malawi	1.19	14.35	0.65	●	n/a	Estonia	n/a	n/a	n/a	
34	Dominican Republic	1.13	13.68	0.64	●	n/a	Fiji	n/a	n/a	n/a	
35	Sri Lanka	1.06	12.84	0.63		n/a	Finland	n/a	n/a	n/a	
36	Cameroon	1.03	12.47	0.62	●	n/a	France	n/a	n/a	n/a	
37	Nepal	0.98	11.82	0.60	●	n/a	Germany	n/a	n/a	n/a	
38	Montenegro	0.91	11.04	0.59		n/a	Greece	n/a	n/a	n/a	
39	Mali	0.87	10.46	0.58	●	n/a	Guyana	n/a	n/a	n/a	
40	Belize	0.86	10.38	0.57		n/a	Hong Kong (China)	n/a	n/a	n/a	
41	Chile	0.78	9.47	0.56		n/a	Iceland	n/a	n/a	n/a	
42	Morocco	0.63	7.56	0.55		n/a	Iran, Islamic Rep.	n/a	n/a	n/a	
43	Jordan	0.62	7.49	0.54		n/a	Ireland	n/a	n/a	n/a	
44	Madagascar	0.55	6.69	0.53		n/a	Israel	n/a	n/a	n/a	
45	Indonesia	0.55	6.66	0.52		n/a	Italy	n/a	n/a	n/a	
46	South Africa	0.44	5.29	0.51		n/a	Japan	n/a	n/a	n/a	
47	Guatemala	0.43	5.22	0.49		n/a	Korea, Rep.	n/a	n/a	n/a	
48	Mozambique	0.42	5.04	0.48		n/a	Kuwait	n/a	n/a	n/a	
49	Uzbekistan	0.38	4.64	0.47		n/a	Latvia	n/a	n/a	n/a	
50	India	0.34	4.07	0.46		n/a	Lesotho	n/a	n/a	n/a	
51	Rwanda	0.33	3.99	0.45		n/a	Lithuania	n/a	n/a	n/a	
52	Lao PDR	0.32	3.88	0.44		n/a	Luxembourg	n/a	n/a	n/a	
53	Philippines	0.32	3.83	0.43		n/a	Malta	n/a	n/a	n/a	
54	Niger	0.30	3.66	0.42		n/a	Mauritius	n/a	n/a	n/a	
55	Gambia	0.29	3.55	0.41		n/a	Netherlands	n/a	n/a	n/a	
56	Tanzania, United Rep.	0.28	3.41	0.40		n/a	New Zealand	n/a	n/a	n/a	
57	Burundi	0.24	2.91	0.38		n/a	Norway	n/a	n/a	n/a	
58	China	0.24	2.91	0.37		n/a	Oman	n/a	n/a	n/a	
59	Costa Rica	0.20	2.40	0.36		n/a	Portugal	n/a	n/a	n/a	
60	Romania	0.20	2.37	0.35		n/a	Qatar	n/a	n/a	n/a	
61	Ukraine	0.19	2.24	0.34		n/a	Saudi Arabia	n/a	n/a	n/a	
62	Côte d'Ivoire	0.18	2.19	0.33		n/a	Singapore	n/a	n/a	n/a	
63	Pakistan	0.17	2.05	0.32		n/a	Slovenia	n/a	n/a	n/a	
64	Mexico (2011)	0.16	1.92	0.31		n/a	Spain	n/a	n/a	n/a	
65	Jamaica	0.16	1.91	0.30		n/a	Sweden	n/a	n/a	n/a	
66	Tunisia (2011)	0.14	1.72	0.29		n/a	Switzerland	n/a	n/a	n/a	
67	Lebanon	0.13	1.55	0.27		n/a	United Arab Emirates	n/a	n/a	n/a	
68	Malaysia	0.12	1.40	0.26	○	n/a	United Kingdom	n/a	n/a	n/a	
69	Kazakhstan	0.10	1.23	0.25		n/a	United States of America	n/a	n/a	n/a	
70	Panama	0.08	0.91	0.24							
71	Egypt	0.07	0.90	0.23							
72	Brazil	0.07	0.81	0.22	○						

SOURCE: Microfinance Information Exchange, *Mix Market* database; World Bank and OECD GDP estimates, World Bank *World Development Indicators* database (2001–11)

4.2.1 Ease of protecting investors

Ease of protecting investors, percent rank index* | 2011

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	New Zealand	1.00	100.00	1.00	●	60	Serbia	0.60	46.70	0.47	
2	Singapore	0.99	99.20	0.99		60	Sri Lanka	0.60	46.70	0.47	
3	Hong Kong (China)	0.99	98.50	0.99		60	Zambia	0.60	46.70	0.47	
4	Malaysia	0.98	97.80	0.98	●	76	Armenia	0.49	35.90	0.36	
5	Canada	0.98	94.20	0.94		76	Bosnia and Herzegovina	0.49	35.90	0.36	
5	Colombia	0.98	94.20	0.94	●	76	China	0.49	35.90	0.36	
5	Ireland	0.98	94.20	0.94		76	Cyprus	0.49	35.90	0.36	○
5	Israel	0.98	94.20	0.94		76	Czech Republic	0.49	35.90	0.36	○
5	United States of America	0.98	94.20	0.94		76	Germany	0.49	35.90	0.36	○
10	South Africa	0.95	92.80	0.93	●	76	Kenya	0.49	35.90	0.36	
10	United Kingdom	0.95	92.80	0.93		76	Lebanon	0.49	35.90	0.36	
12	Kyrgyzstan	0.94	90.60	0.91	●	76	Lithuania	0.49	35.90	0.36	
12	Mauritius	0.94	90.60	0.91	●	76	Nicaragua	0.49	35.90	0.36	
12	Thailand	0.94	90.60	0.91	●	76	Oman	0.49	35.90	0.36	
15	Albania	0.92	89.90	0.90	●	76	Qatar	0.49	35.90	0.36	
16	Belgium	0.92	87.00	0.87		76	Spain	0.49	35.90	0.36	○
16	Japan	0.92	87.00	0.87		76	Tanzania, United Rep.	0.49	35.90	0.36	
16	Macedonia, FYR	0.92	87.00	0.87	●	76	Uruguay	0.49	35.90	0.36	
16	Saudi Arabia	0.92	87.00	0.87	●	91	Argentina	0.41	29.40	0.29	
20	Azerbaijan	0.89	82.00	0.82	●	91	Belarus	0.41	29.40	0.29	
20	Bangladesh	0.89	82.00	0.82	●	91	Moldova, Rep.	0.41	29.40	0.29	
20	Georgia	0.89	82.00	0.82	●	91	Netherlands	0.41	29.40	0.29	○
20	Norway	0.89	82.00	0.82		91	Panama	0.41	29.40	0.29	
20	Peru	0.89	82.00	0.82	●	91	Russian Federation	0.41	29.40	0.29	
20	Slovenia	0.89	82.00	0.82		91	Slovakia	0.41	29.40	0.29	
20	Trinidad and Tobago	0.89	82.00	0.82	●	91	Syrian Arab Rep.	0.41	29.40	0.29	
27	Chile	0.85	76.20	0.76		91	Ukraine	0.41	29.40	0.29	
27	Denmark	0.85	76.20	0.76		100	Belize	0.35	22.30	0.22	
27	Kuwait	0.85	76.20	0.76		100	Brunei Darussalam	0.35	22.30	0.22	
27	Mongolia	0.85	76.20	0.76		100	Cameroon	0.35	22.30	0.22	
27	Montenegro	0.85	76.20	0.76		100	Ethiopia	0.35	22.30	0.22	
27	Pakistan	0.85	76.20	0.76	●	100	Hungary	0.35	22.30	0.22	○
27	Rwanda	0.85	76.20	0.76	●	100	Jordan	0.35	22.30	0.22	
27	Sweden	0.85	76.20	0.76		100	Luxembourg	0.35	22.30	0.22	○
35	Botswana	0.76	66.90	0.67		100	Swaziland	0.35	22.30	0.22	
35	Bulgaria	0.76	66.90	0.67		100	United Arab Emirates	0.35	22.30	0.22	○
35	Fiji	0.76	66.90	0.67	●	100	Zimbabwe	0.35	22.30	0.22	
35	Ghana	0.76	66.90	0.67	●	110	Austria	0.29	15.80	0.16	○
35	India	0.76	66.90	0.67		110	Bolivia, Plurinational St.	0.29	15.80	0.16	
35	Indonesia	0.76	66.90	0.67	●	110	Croatia	0.29	15.80	0.16	○
35	Kazakhstan	0.76	66.90	0.67		110	Ecuador	0.29	15.80	0.16	
35	Mexico	0.76	66.90	0.67		110	Guatemala	0.29	15.80	0.16	
35	Mozambique	0.76	66.90	0.67	●	110	Philippines	0.29	15.80	0.16	
35	Poland	0.76	66.90	0.67		110	Uganda	0.29	15.80	0.16	
35	Portugal	0.76	66.90	0.67		110	Uzbekistan	0.29	15.80	0.16	
35	Romania	0.76	66.90	0.67		110	Yemen	0.29	15.80	0.16	
35	Tunisia	0.76	66.90	0.67		119	Burkina Faso	0.21	12.90	0.13	
48	Angola	0.68	58.20	0.58	●	119	Lesotho	0.21	12.90	0.13	
48	Australia	0.68	58.20	0.58		119	Mali	0.21	12.90	0.13	
48	Dominican Republic	0.68	58.20	0.58		119	Togo	0.21	12.90	0.13	
48	Estonia	0.68	58.20	0.58		123	Benin	0.16	7.10	0.07	
48	Finland	0.68	58.20	0.58		123	Burundi	0.16	7.10	0.07	
48	Italy	0.68	58.20	0.58		123	Côte d'Ivoire	0.16	7.10	0.07	
48	Latvia	0.68	58.20	0.58		123	Gabon	0.16	7.10	0.07	○
48	Madagascar	0.68	58.20	0.58		123	Greece	0.16	7.10	0.07	○
48	Nigeria	0.68	58.20	0.58	●	123	Morocco	0.16	7.10	0.07	○
48	Paraguay	0.68	58.20	0.58		123	Niger	0.16	7.10	0.07	
48	Tajikistan	0.68	58.20	0.58	●	123	Sudan	0.16	7.10	0.07	
48	Turkey	0.68	58.20	0.58		131	Costa Rica	0.09	3.50	0.04	○
60	Algeria	0.60	46.70	0.47		131	Honduras	0.09	3.50	0.04	○
60	Bahrain	0.60	46.70	0.47		131	Iran, Islamic Rep.	0.09	3.50	0.04	○
60	Brazil	0.60	46.70	0.47		131	Senegal	0.09	3.50	0.04	○
60	Cambodia	0.60	46.70	0.47		131	Switzerland	0.09	3.50	0.04	○
60	Egypt	0.60	46.70	0.47		136	El Salvador	0.06	1.40	0.01	○
60	France	0.60	46.70	0.47	○	136	Gambia	0.06	1.40	0.01	○
60	Guyana	0.60	46.70	0.47		136	Viet Nam	0.06	1.40	0.01	○
60	Iceland	0.60	46.70	0.47		139	Venezuela, Bolivarian Rep.	0.02	0.70	0.01	○
60	Jamaica	0.60	46.70	0.47		140	Lao PDR	0.01	0.00	0.00	○
60	Korea, Rep.	0.60	46.70	0.47		n/a	Malta	n/a	n/a	n/a	
60	Malawi	0.60	46.70	0.47							
60	Namibia	0.60	46.70	0.47							
60	Nepal	0.60	46.70	0.47							

SOURCE: World Bank, Ease of Doing Business Index 2012, *Doing Business* 2012

4.2.2 Market capitalization

Market capitalization of listed companies (% of GDP) | 2010

361

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Hong Kong (China)	1,207.95	100.00	0.99	●	73	Hungary	21.25	7.56	0.32	
1	South Africa	278.40	100.00	0.99	●	74	Romania	20.04	7.12	0.31	
3	Switzerland	234.71	84.30	0.98		75	Cyprus (2009)	19.94	7.09	0.30	○
4	Luxembourg	183.55	65.90	0.97		76	Slovenia	19.74	7.01	0.29	○
5	Malaysia	172.64	61.98	0.96	●	77	Viet Nam	19.68	6.99	0.28	
6	Chile	167.90	60.28	0.95	●	78	El Salvador	19.39	6.89	0.27	
7	Singapore	166.18	59.66	0.94		79	Iran, Islamic Rep. (2009)	19.12	6.79	0.26	
8	Zimbabwe	153.55	55.12	0.93	●	80	Austria	17.99	6.39	0.25	○
9	United Kingdom	138.33	49.65	0.92		81	Mongolia	17.97	6.38	0.25	
10	Canada	137.24	49.26	0.92		82	Zambia	17.39	6.17	0.24	
11	Australia (2009)	136.07	48.84	0.91		83	Argentina	17.33	6.15	0.23	
12	Sweden	126.89	45.54	0.90		84	Bolivia, Plurinational St.	17.12	6.07	0.22	
13	United States of America	117.53	42.17	0.89		85	Ireland	16.54	5.86	0.21	○
14	Jordan	111.93	40.16	0.88	●	86	Iceland	15.85	5.62	0.20	○
15	Korea, Rep.	107.37	38.52	0.87		87	Lithuania	15.59	5.52	0.19	○
16	Israel	100.33	35.99	0.86		88	Italy	15.51	5.49	0.18	○
17	India	93.46	33.52	0.85	●	89	Guyana	15.29	5.42	0.17	
18	Montenegro	90.02	32.28	0.84	●	90	Bulgaria	15.25	5.40	0.16	○
19	Qatar (2009)	89.36	32.04	0.83		91	Estonia	12.10	4.27	0.15	○
20	Kuwait (2009)	87.64	31.43	0.82		92	Ghana	11.28	3.97	0.14	
21	Thailand	87.11	31.23	0.81		93	Namibia	9.67	3.39	0.13	○
22	Netherlands	84.40	30.26	0.80		94	Georgia	9.08	3.18	0.12	○
23	Spain	83.25	29.84	0.79		95	Ecuador	8.93	3.13	0.11	
24	Bahrain (2009)	82.22	29.48	0.78		96	Swaziland (2007)	6.88	2.39	0.10	
25	Saudi Arabia	81.31	29.15	0.77		97	Tanzania, United Rep.	5.48	1.89	0.09	
26	China	81.02	29.04	0.76		98	Latvia	5.21	1.79	0.08	○
27	Philippines	78.82	28.25	0.75	●	99	Slovakia	4.66	1.59	0.08	○
28	Morocco	75.83	27.18	0.75	●	100	Uzbekistan (2006)	4.20	1.43	0.07	
29	France	75.25	26.97	0.74		101	Costa Rica	4.18	1.42	0.06	○
30	Denmark	74.66	26.76	0.73		102	Kyrgyzstan	1.71	0.53	0.05	○
31	Japan	74.57	26.72	0.72		103	Uganda (2006)	1.17	0.34	0.04	○
32	Brazil	74.03	26.53	0.71		104	Venezuela, Bolivarian Rep.	1.03	0.29	0.03	
33	Colombia	72.35	25.93	0.70		105	Uruguay	0.39	0.06	0.02	○
34	Russian Federation	67.88	24.32	0.69		106	Armenia	0.30	0.03	0.01	○
35	Mauritius	66.87	23.96	0.68		107	Paraguay	0.23	0.00	0.00	○
36	Peru	64.89	23.25	0.67		n/a	Albania	n/a	n/a	n/a	
37	Norway	60.54	21.68	0.66		n/a	Algeria	n/a	n/a	n/a	
38	Trinidad and Tobago	59.60	21.35	0.65		n/a	Angola	n/a	n/a	n/a	
39	Belgium	57.62	20.63	0.64		n/a	Azerbaijan	n/a	n/a	n/a	
40	New Zealand (2009)	52.94	18.95	0.63		n/a	Belarus	n/a	n/a	n/a	
41	Indonesia	51.01	18.25	0.62		n/a	Belize	n/a	n/a	n/a	
42	Finland	49.48	17.71	0.61		n/a	Benin	n/a	n/a	n/a	
43	United Arab Emirates (2009)	47.61	17.03	0.60		n/a	Bosnia and Herzegovina	n/a	n/a	n/a	
44	Jamaica	47.35	16.94	0.59		n/a	Brunei Darussalam	n/a	n/a	n/a	
45	Bangladesh	46.96	16.80	0.58	●	n/a	Burkina Faso	n/a	n/a	n/a	
46	Fiji	46.66	16.69	0.58		n/a	Burundi	n/a	n/a	n/a	
47	Kenya	46.04	16.47	0.57		n/a	Cambodia	n/a	n/a	n/a	
48	Mexico	43.70	15.63	0.56		n/a	Cameroon	n/a	n/a	n/a	
49	Germany	43.20	15.45	0.55		n/a	Dominican Republic	n/a	n/a	n/a	
50	Kazakhstan	42.48	15.19	0.54		n/a	Ethiopia	n/a	n/a	n/a	
51	Turkey	41.71	14.91	0.53		n/a	Gabon	n/a	n/a	n/a	
52	Croatia	40.94	14.64	0.52		n/a	Gambia	n/a	n/a	n/a	
53	Panama	40.77	14.57	0.51		n/a	Guatemala	n/a	n/a	n/a	
54	Poland	40.60	14.51	0.50		n/a	Honduras	n/a	n/a	n/a	
55	Sri Lanka	40.21	14.37	0.49		n/a	Lao PDR	n/a	n/a	n/a	
56	Egypt	37.68	13.47	0.48		n/a	Lesotho	n/a	n/a	n/a	
57	Oman (2009)	36.92	13.19	0.47		n/a	Madagascar	n/a	n/a	n/a	
58	Portugal	35.88	12.82	0.46		n/a	Mali	n/a	n/a	n/a	
59	Lebanon	32.14	11.47	0.45		n/a	Moldova, Rep.	n/a	n/a	n/a	
60	Côte d'Ivoire	31.16	11.12	0.44	●	n/a	Mozambique	n/a	n/a	n/a	
61	Nepal	30.85	11.01	0.43		n/a	Nicaragua	n/a	n/a	n/a	
62	Macedonia, FYR	29.03	10.35	0.42		n/a	Niger	n/a	n/a	n/a	
63	Ukraine	28.61	10.20	0.42		n/a	Rwanda	n/a	n/a	n/a	
64	Botswana	27.43	9.78	0.41		n/a	Senegal	n/a	n/a	n/a	
65	Malawi	26.69	9.51	0.40		n/a	Sudan	n/a	n/a	n/a	
66	Nigeria	26.27	9.36	0.39		n/a	Syrian Arab Rep.	n/a	n/a	n/a	
67	Malta (2009)	24.82	8.84	0.38	○	n/a	Tajikistan	n/a	n/a	n/a	
68	Serbia	24.76	8.82	0.37		n/a	Togo	n/a	n/a	n/a	
69	Tunisia	24.12	8.59	0.36		n/a	Yemen	n/a	n/a	n/a	
70	Greece	23.83	8.48	0.35							
71	Czech Republic	22.41	7.97	0.34	○						
72	Pakistan	21.84	7.77	0.33							

SOURCE: Standard and Poor's and World Bank and OECD GDP estimates, World Bank World Development Indicators database (2006–10)

4.2.3 Total value of stocks traded

Stocks traded, total value (% of GDP) | 2010

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Hong Kong (China)	711.73	100.00	0.97	●	73	Lithuania	0.82	0.51	0.33	
1	United States of America	208.85	100.00	0.97	●	74	Mongolia	0.81	0.50	0.32	
1	Switzerland	166.00	100.00	0.97	●	75	Zambia	0.78	0.49	0.31	
1	Korea, Rep.	160.34	100.00	0.97	●	76	Montenegro	0.77	0.48	0.30	○
5	China	136.60	85.19	0.96	●	77	Panama	0.71	0.44	0.29	
6	United Kingdom	133.86	83.49	0.95		78	Argentina	0.70	0.44	0.28	
7	Singapore	126.69	79.02	0.94		79	Trinidad and Tobago	0.67	0.42	0.27	
8	Sweden	95.98	59.86	0.93		80	Nepal	0.63	0.39	0.26	
9	South Africa	93.49	58.31	0.93	●	81	Serbia	0.61	0.38	0.25	
10	Canada	86.76	54.11	0.92		82	Côte d'Ivoire	0.58	0.36	0.24	
11	Australia (2009)	82.37	51.37	0.91		83	Slovenia	0.57	0.35	0.23	○
12	Japan	77.86	48.56	0.90		84	Bulgaria	0.41	0.26	0.22	○
13	Netherlands	75.58	47.13	0.89		85	Macedonia, FYR	0.39	0.24	0.21	○
14	Thailand	68.36	42.63	0.88	●	86	Malawi	0.39	0.24	0.21	
15	Spain	66.63	41.56	0.87	●	87	Ghana	0.33	0.20	0.20	
16	Kuwait (2009)	63.89	39.84	0.86		88	Luxembourg	0.32	0.20	0.19	○
17	Israel	61.37	38.27	0.85		89	Ecuador	0.30	0.19	0.18	
18	India	61.12	38.12	0.84	●	90	Moldova, Rep. (2009)	0.24	0.15	0.17	
19	Turkey	57.34	35.76	0.83	●	91	Malta (2009)	0.23	0.14	0.16	○
20	Russian Federation	54.04	33.70	0.82		92	Slovakia	0.20	0.12	0.15	○
21	Norway	52.39	32.67	0.81		93	Kyrgyzstan	0.19	0.12	0.14	
22	Saudi Arabia	46.75	29.16	0.80		94	Fiji	0.17	0.10	0.13	○
23	Denmark	46.58	29.05	0.79		95	Namibia	0.15	0.09	0.12	○
24	Brazil	43.16	26.92	0.79	●	96	Costa Rica	0.12	0.07	0.11	○
25	Finland	42.66	26.60	0.78		97	Latvia	0.11	0.07	0.10	○
26	Germany	42.45	26.48	0.77		98	Tanzania, United Rep.	0.11	0.07	0.09	
27	Malaysia	37.93	23.65	0.76		99	Paraguay	0.11	0.07	0.08	
28	Jordan	34.26	21.37	0.75		100	Uzbekistan	0.10	0.06	0.07	
29	France	32.34	20.17	0.74		101	Uganda (2006)	0.06	0.03	0.07	○
30	New Zealand (2009)	29.37	18.32	0.73		102	Bolivia, Plurinational St.	0.06	0.03	0.06	○
31	United Arab Emirates (2009)	28.54	17.80	0.72		103	Guyana (2008)	0.04	0.02	0.05	○
32	Viet Nam	28.38	17.70	0.71		104	Georgia	0.02	0.01	0.04	○
33	Chile	26.70	16.65	0.70		105	Venezuela, Bolivarian Rep.	0.01	0.01	0.03	
34	Italy	26.29	16.40	0.69		106	Uruguay	0.01	0.00	0.02	○
35	Qatar (2009)	25.95	16.18	0.68		107	Armenia (2009)	0.00	0.00	0.01	○
36	Belgium	23.84	14.87	0.67		108	Swaziland (2006)	0.00	0.00	0.00	○
37	Hungary	20.29	12.66	0.66		n/a	Albania	n/a	n/a	n/a	
38	Indonesia	18.33	11.43	0.65	●	n/a	Algeria	n/a	n/a	n/a	
39	Egypt	16.95	10.57	0.64	●	n/a	Angola	n/a	n/a	n/a	
40	Poland	16.53	10.31	0.64		n/a	Azerbaijan	n/a	n/a	n/a	
41	Zimbabwe	15.31	9.55	0.63	●	n/a	Belarus	n/a	n/a	n/a	
42	Bangladesh	14.68	9.16	0.62	●	n/a	Belize	n/a	n/a	n/a	
43	Greece	14.14	8.82	0.61		n/a	Benin	n/a	n/a	n/a	
44	Portugal	13.66	8.52	0.60		n/a	Bosnia and Herzegovina	n/a	n/a	n/a	
45	Philippines	13.42	8.37	0.59		n/a	Brunei Darussalam	n/a	n/a	n/a	
46	Austria	12.79	7.98	0.58		n/a	Burkina Faso	n/a	n/a	n/a	
47	Oman (2009)	12.44	7.76	0.57		n/a	Burundi	n/a	n/a	n/a	
48	Morocco	11.79	7.35	0.56		n/a	Cambodia	n/a	n/a	n/a	
49	Mexico	10.44	6.51	0.55		n/a	Cameroon	n/a	n/a	n/a	
50	Ireland	8.25	5.14	0.54	○	n/a	Dominican Republic	n/a	n/a	n/a	
51	Colombia	7.97	4.97	0.53		n/a	Ethiopia	n/a	n/a	n/a	
52	Pakistan	7.39	4.61	0.52	●	n/a	Gabon	n/a	n/a	n/a	
53	Czech Republic	7.33	4.57	0.51		n/a	Gambia	n/a	n/a	n/a	
54	Sri Lanka	6.67	4.16	0.50		n/a	Guatemala	n/a	n/a	n/a	
55	Iran, Islamic Rep. (2009)	5.15	3.21	0.50		n/a	Honduras	n/a	n/a	n/a	
56	Lebanon	4.78	2.98	0.49		n/a	Lao PDR	n/a	n/a	n/a	
57	Bahrain (2009)	4.16	2.59	0.48		n/a	Lesotho	n/a	n/a	n/a	
58	Tunisia	3.84	2.39	0.47		n/a	Madagascar	n/a	n/a	n/a	
59	Cyprus (2009)	3.78	2.36	0.46		n/a	Mali	n/a	n/a	n/a	
60	Mauritius	3.67	2.29	0.45		n/a	Mozambique	n/a	n/a	n/a	
61	Kenya	3.45	2.15	0.44		n/a	Nicaragua	n/a	n/a	n/a	
62	Nigeria	2.73	1.70	0.43		n/a	Niger	n/a	n/a	n/a	
63	Peru	2.58	1.61	0.42		n/a	Rwanda	n/a	n/a	n/a	
64	Estonia	1.72	1.07	0.41	○	n/a	Senegal	n/a	n/a	n/a	
65	Croatia	1.70	1.06	0.40		n/a	Sudan	n/a	n/a	n/a	
66	Kazakhstan	1.60	0.99	0.39		n/a	Syrian Arab Rep.	n/a	n/a	n/a	
67	Ukraine	1.52	0.95	0.38		n/a	Tajikistan	n/a	n/a	n/a	
68	Jamaica	1.51	0.94	0.37		n/a	Togo	n/a	n/a	n/a	
69	Iceland	1.19	0.74	0.36		n/a	Yemen	n/a	n/a	n/a	
70	Romania	1.05	0.66	0.36							
71	Botswana	0.94	0.59	0.35							
72	El Salvador (2006)	0.90	0.56	0.34							

SOURCE: Standard and Poor's and World Bank and OECD GDP estimates, World Bank World Development Indicators database (2006–10)

4.2.4 Venture capital deals

Venture capital per investment location: Number of deals (per trillion PPP\$ GDP) | 2011

363

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Sweden	315.84	100.00	1.00	●	65	Benin	0.00	0.00	0.00	○
2	Togo	313.77	99.89	0.99	●	65	Bolivia, Plurinational St.	0.00	0.00	0.00	○
3	Israel	288.81	98.45	0.99	●	65	Bosnia and Herzegovina	0.00	0.00	0.00	○
4	Ireland	281.77	98.02	0.98	●	65	Botswana	0.00	0.00	0.00	○
5	United States of America	243.35	95.49	0.97	●	65	Bulgaria	0.00	0.00	0.00	○
6	Canada	225.72	94.18	0.96	●	65	Burkina Faso	0.00	0.00	0.00	○
7	Norway	188.78	91.09	0.96		65	Burundi	0.00	0.00	0.00	○
8	United Kingdom	146.88	86.76	0.95		65	Cambodia	0.00	0.00	0.00	○
9	Denmark	143.44	86.35	0.94		65	Cameroon	0.00	0.00	0.00	○
10	Cyprus	126.32	84.16	0.94	●	65	Chile	0.00	0.00	0.00	○
11	Switzerland	120.26	83.31	0.93		65	Costa Rica	0.00	0.00	0.00	○
12	France	102.40	80.54	0.92	●	65	Côte d'Ivoire	0.00	0.00	0.00	○
13	Finland	95.79	79.40	0.91		65	Dominican Republic	0.00	0.00	0.00	○
14	Luxembourg	91.61	78.63	0.91		65	Ecuador	0.00	0.00	0.00	○
15	Germany	90.63	78.44	0.90		65	El Salvador	0.00	0.00	0.00	○
16	Lithuania	81.39	76.60	0.89	●	65	Ethiopia	0.00	0.00	0.00	○
17	Mongolia	79.31	76.15	0.89	●	65	Fiji	0.00	0.00	0.00	○
18	Spain	76.43	75.52	0.88	●	65	Gabon	0.00	0.00	0.00	○
19	Kenya	69.81	73.96	0.87	●	65	Gambia	0.00	0.00	0.00	○
20	Namibia	64.28	72.55	0.86	●	65	Ghana	0.00	0.00	0.00	○
21	Australia	59.85	71.33	0.86		65	Greece	0.00	0.00	0.00	○
22	Latvia	57.76	70.72	0.85		65	Guatemala	0.00	0.00	0.00	○
23	Lao PDR	57.36	70.60	0.84	●	65	Guyana	0.00	0.00	0.00	○
24	Austria	56.84	70.45	0.84		65	Honduras	0.00	0.00	0.00	○
25	Singapore	53.97	69.57	0.83		65	Iceland	0.00	0.00	0.00	○
26	India	51.01	68.60	0.82	●	65	Iran, Islamic Rep.	0.00	0.00	0.00	○
27	Brunei Darussalam	47.28	67.31	0.81	●	65	Jamaica	0.00	0.00	0.00	○
28	Korea, Rep.	45.63	66.71	0.81		65	Kazakhstan	0.00	0.00	0.00	○
29	Hong Kong (China)	42.34	65.44	0.80		65	Kuwait	0.00	0.00	0.00	○
30	Georgia	41.20	64.97	0.79		65	Kyrgyzstan	0.00	0.00	0.00	○
31	Uruguay	38.38	63.77	0.79		65	Lebanon	0.00	0.00	0.00	○
32	Estonia	37.11	63.20	0.78		65	Lesotho	0.00	0.00	0.00	○
33	Netherlands	33.96	61.70	0.77		65	Macedonia, FYR	0.00	0.00	0.00	○
34	Bahrain	32.37	60.90	0.76		65	Madagascar	0.00	0.00	0.00	○
35	China	32.34	60.88	0.76		65	Malawi	0.00	0.00	0.00	○
36	Belgium	28.96	59.02	0.75		65	Mali	0.00	0.00	0.00	○
37	Jordan	27.10	57.91	0.74		65	Malta	0.00	0.00	0.00	○
38	Portugal	20.22	53.03	0.74		65	Mauritius	0.00	0.00	0.00	○
39	South Africa	16.21	49.39	0.73		65	Moldova, Rep.	0.00	0.00	0.00	○
40	New Zealand	16.19	49.37	0.72		65	Montenegro	0.00	0.00	0.00	○
41	Croatia	12.35	44.98	0.71		65	Mozambique	0.00	0.00	0.00	○
42	Morocco	12.26	44.86	0.71	●	65	Nepal	0.00	0.00	0.00	○
43	Nigeria	12.04	44.58	0.70	●	65	Nicaragua	0.00	0.00	0.00	○
44	United Arab Emirates	11.49	43.82	0.69		65	Niger	0.00	0.00	0.00	○
45	Viet Nam	10.01	41.63	0.69		65	Oman	0.00	0.00	0.00	○
46	Peru	10.00	41.61	0.68		65	Pakistan	0.00	0.00	0.00	○
47	Brazil	9.96	41.55	0.67		65	Panama	0.00	0.00	0.00	○
48	Argentina	9.85	41.38	0.66		65	Paraguay	0.00	0.00	0.00	○
49	Poland	9.13	40.18	0.66		65	Qatar	0.00	0.00	0.00	○
50	Turkey	7.59	37.31	0.65		65	Rwanda	0.00	0.00	0.00	○
51	Russian Federation	7.15	36.41	0.64		65	Saudi Arabia	0.00	0.00	0.00	○
52	Malaysia	6.70	35.42	0.64		65	Senegal	0.00	0.00	0.00	○
53	Japan	6.37	34.66	0.63		65	Serbia	0.00	0.00	0.00	○
54	Ukraine	6.10	34.01	0.62		65	Slovakia	0.00	0.00	0.00	○
55	Hungary	5.10	31.37	0.61		65	Slovenia	0.00	0.00	0.00	○
56	Italy	4.37	29.18	0.61		65	Sri Lanka	0.00	0.00	0.00	○
57	Colombia	4.28	28.86	0.60		65	Sudan	0.00	0.00	0.00	○
58	Egypt	3.87	27.48	0.59	●	65	Swaziland	0.00	0.00	0.00	○
59	Romania	3.78	27.15	0.59		65	Syrian Arab Rep.	0.00	0.00	0.00	○
60	Czech Republic	3.66	26.71	0.58		65	Tajikistan	0.00	0.00	0.00	○
61	Thailand	3.21	24.94	0.57		65	Tanzania, United Rep.	0.00	0.00	0.00	○
62	Indonesia	2.67	22.56	0.56		65	Trinidad and Tobago	0.00	0.00	0.00	○
63	Philippines	2.54	21.92	0.56		65	Tunisia	0.00	0.00	0.00	○
64	Mexico	1.81	17.91	0.55		65	Uganda	0.00	0.00	0.00	○
65	Albania	0.00	0.00	0.00	○	65	Uzbekistan	0.00	0.00	0.00	○
65	Algeria	0.00	0.00	0.00	○	65	Venezuela, Bolivarian Rep.	0.00	0.00	0.00	○
65	Angola	0.00	0.00	0.00	○	65	Yemen	0.00	0.00	0.00	○
65	Armenia	0.00	0.00	0.00	○	65	Zambia	0.00	0.00	0.00	○
65	Azerbaijan	0.00	0.00	0.00	○	65	Zimbabwe	0.00	0.00	0.00	○
65	Bangladesh	0.00	0.00	0.00	○						
65	Belarus	0.00	0.00	0.00	○						
65	Belize	0.00	0.00	0.00	○						

SOURCE: Thomson Reuters, Thomson One Banker Private Equity database; World Bank and OECD GDP estimates, World Bank World Development Indicators database

4.3.1 Applied tariff rate, weighted mean

Tariff rate, applied, weighted mean, all products (%) | 2010

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Hong Kong (China)	0.00	100.00	0.99	●	73	China	4.29	78.16	0.49	
1	Singapore	0.00	100.00	0.99	●	74	South Africa	4.36	77.80	0.48	
1	Switzerland	0.00	100.00	0.99	●	75	Mozambique	4.75	75.81	0.47	
4	Georgia	0.39	98.01	0.98	●	76	Philippines	4.77	75.71	0.46	
5	Norway	0.44	97.76	0.97		77	Lebanon (2007)	4.81	75.51	0.46	
6	Canada	1.04	94.70	0.96	●	78	Thailand (2009)	4.92	74.95	0.45	
7	Mauritius	1.05	94.65	0.96	●	79	Albania (2009)	5.08	74.13	0.44	
8	Iceland	1.07	94.55	0.95		80	Mongolia (2009)	5.10	74.03	0.44	
9	Croatia	1.24	93.69	0.94	●	81	Botswana	5.15	73.78	0.43	
10	Japan	1.60	91.85	0.94		82	Jordan (2009)	5.18	73.63	0.42	
11	Austria	1.61	91.80	0.74		83	Bolivia, Plurinational St.	5.36	72.71	0.41	
11	Belgium	1.61	91.80	0.74		84	El Salvador	5.49	72.05	0.41	
11	Bulgaria	1.61	91.80	0.74		85	Burundi	5.53	71.84	0.40	
11	Cyprus	1.61	91.80	0.74		86	Viet Nam	5.66	71.18	0.39	
11	Czech Republic	1.61	91.80	0.74		87	Tajikistan	5.86	70.16	0.39	
11	Denmark	1.61	91.80	0.74		88	Ecuador	5.95	69.70	0.38	
11	Estonia	1.61	91.80	0.74		89	Rwanda	5.99	69.50	0.37	
11	Finland	1.61	91.80	0.74		90	Serbia (2005)	6.03	69.30	0.36	
11	France	1.61	91.80	0.74		91	Mexico	6.07	69.09	0.36	
11	Germany	1.61	91.80	0.74		92	Dominican Republic	6.09	68.99	0.35	
11	Greece	1.61	91.80	0.74		93	Syrian Arab Rep.	6.12	68.84	0.34	
11	Hungary	1.61	91.80	0.74		94	Argentina	6.22	68.33	0.34	
11	Ireland	1.61	91.80	0.74		95	Belize	6.38	67.52	0.33	
11	Italy	1.61	91.80	0.74		96	Honduras (2009)	6.46	67.11	0.32	
11	Latvia	1.61	91.80	0.74		97	Malawi	6.59	66.45	0.31	
11	Lithuania	1.61	91.80	0.74		98	Guyana	6.87	65.02	0.31	
11	Luxembourg	1.61	91.80	0.74		99	Sri Lanka	6.92	64.77	0.30	
11	Malta	1.61	91.80	0.74		100	Uzbekistan (2009)	6.93	64.71	0.29	
11	Netherlands	1.61	91.80	0.74		101	Morocco (2009)	7.13	63.70	0.29	
11	Poland	1.61	91.80	0.74		102	Côte d'Ivoire	7.34	62.63	0.28	
11	Portugal	1.61	91.80	0.74		103	Angola (2009)	7.44	62.12	0.27	
11	Romania	1.61	91.80	0.74		104	Jamaica	7.49	61.86	0.26	
11	Slovakia	1.61	91.80	0.74		105	Panama (2009)	7.61	61.25	0.26	
11	Slovenia	1.61	91.80	0.74		106	Brazil	7.64	61.10	0.25	
11	Spain	1.61	91.80	0.74		107	Madagascar	7.65	61.05	0.24	
11	Sweden	1.61	91.80	0.74		108	Egypt (2009)	8.05	59.01	0.24	
11	United Kingdom	1.61	91.80	0.74		109	India (2009)	8.22	58.15	0.22	
38	New Zealand	1.62	91.75	0.74		109	Uganda	8.22	58.15	0.22	
39	Namibia	1.75	91.09	0.73		111	Tanzania, United Rep.	8.23	58.10	0.21	
40	Bosnia and Herzegovina	1.77	90.99	0.72		112	Mali	8.40	57.23	0.21	
41	United States of America	1.78	90.94	0.71		113	Ghana (2009)	8.58	56.31	0.20	
42	Australia	1.90	90.33	0.71		114	Algeria (2009)	8.61	56.16	0.19	
43	Belarus	2.13	89.15	0.70		115	Korea, Rep.	8.71	55.65	0.19	○
44	Armenia (2008)	2.27	88.44	0.69		116	Burkina Faso	8.77	55.35	0.18	
45	Nicaragua	2.30	88.29	0.69	●	117	Colombia	8.90	54.68	0.17	○
46	Kyrgyzstan	2.33	88.14	0.68		118	Senegal	8.91	54.63	0.16	
47	Guatemala	2.41	87.73	0.67	●	119	Niger	9.13	53.51	0.16	
48	Turkey	2.42	87.68	0.66		120	Kenya	9.15	53.41	0.15	
49	Costa Rica (2009)	2.43	87.63	0.66		121	Pakistan (2009)	9.53	51.48	0.14	
50	Moldova, Rep.	2.46	87.47	0.65		122	Cambodia (2008)	9.91	49.54	0.14	
51	Indonesia	2.49	87.32	0.64		123	Trinidad and Tobago (2008)	10.03	48.93	0.13	○
52	Peru	2.52	87.17	0.64		124	Swaziland	10.15	48.32	0.12	
53	Macedonia, FYR	2.65	86.51	0.63		125	Ethiopia	10.46	46.74	0.11	
54	Ukraine	2.78	85.85	0.62		126	Lesotho	10.47	46.69	0.11	
55	Oman (2009)	3.17	83.86	0.61		127	Nigeria	10.55	46.28	0.10	
56	Kazakhstan	3.38	82.79	0.61		128	Venezuela, Bolivarian Rep.	10.60	46.03	0.09	
57	Montenegro	3.52	82.08	0.60		129	Fiji	11.03	43.84	0.09	○
58	Israel (2009)	3.54	81.98	0.59		130	Nepal	12.06	38.59	0.08	
59	Uruguay	3.57	81.82	0.59		131	Bangladesh (2008)	13.00	33.81	0.07	
60	Bahrain (2009)	3.60	81.67	0.58		132	Lao PDR (2008)	13.15	33.04	0.06	
61	Paraguay	3.66	81.36	0.57		133	Togo	14.17	27.85	0.06	
62	United Arab Emirates (2009)	3.73	81.01	0.56		134	Gabon (2009)	14.45	26.43	0.05	○
63	Qatar (2009)	3.76	80.86	0.56		135	Gambia (2009)	14.75	24.90	0.04	○
64	Russian Federation	3.81	80.60	0.55		135	Sudan	14.75	24.90	0.04	
65	Zambia (2009)	3.83	80.50	0.54		137	Cameroon (2009)	15.04	23.42	0.03	○
66	Saudi Arabia (2009)	3.87	80.30	0.54		138	Benin	15.37	21.74	0.02	○
67	Azerbaijan (2009)	3.93	79.99	0.53		139	Tunisia (2008)	15.95	18.79	0.01	○
68	Malaysia (2009)	3.95	79.89	0.52		140	Zimbabwe (2003)	17.33	11.76	0.01	○
69	Chile	4.02	79.53	0.51		141	Iran, Islamic Rep. (2008)	19.64	0.00	0.00	○
70	Brunei Darussalam	4.12	79.02	0.51							
71	Kuwait (2009)	4.13	78.97	0.50							
72	Yemen (2009)	4.24	78.41	0.49							

SOURCE: World Bank, based on WITS, UNCTAD TRAINS, and UN COMTRADE, World Bank World Development Indicators database (2003–10)

4.3.2

Market access for non-agricultural exports

Non-agricultural market access: Five major export markets weighted actual applied tariff (%) | 2009

365

II: Data Tables

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Lebanon	0.00	100.00	0.99	●	73	Australia	0.98	85.72	0.49	
1	Macedonia, FYR	0.00	100.00	0.99	●	74	Bahrain	1.00	85.44	0.48	
3	Guatemala	0.00	99.99	0.99	●	75	Iran, Islamic Rep. (2008)	1.05	84.67	0.47	
4	Bosnia and Herzegovina	0.00	99.99	0.98	●	76	United States of America	1.10	83.87	0.46	
5	Montenegro	0.00	99.98	0.97	●	77	Mozambique	1.12	83.64	0.46	
6	Jamaica	0.00	99.97	0.96	●	78	Burundi	1.15	83.25	0.45	●
7	Guyana	0.00	99.94	0.96	●	79	Ukraine	1.30	80.99	0.44	
8	Angola	0.01	99.92	0.95	●	80	South Africa	1.32	80.75	0.44	
9	Mauritius	0.01	99.91	0.94	●	81	Philippines	1.32	80.66	0.43	
10	Azerbaijan	0.01	99.82	0.94	●	82	Turkey	1.40	79.55	0.42	
11	Bolivia, Plurinational St	0.01	99.80	0.93	●	83	Tajikistan	1.43	79.11	0.41	
12	Syrian Arab Rep.	0.02	99.76	0.92	●	84	Switzerland	1.44	78.92	0.41	○
13	Nigeria	0.02	99.72	0.91	●	85	Egypt	1.46	78.70	0.40	
14	Sudan	0.02	99.70	0.91	●	86	Iceland	1.49	78.17	0.39	
15	Lesotho	0.02	99.65	0.90	●	87	Thailand	1.52	77.76	0.39	
16	Costa Rica	0.03	99.52	0.89	●	88	Uruguay	1.52	77.73	0.38	
17	Algeria	0.03	99.52	0.89	●	89	Côte d'Ivoire	1.67	75.65	0.37	
18	Colombia	0.04	99.37	0.88	●	90	Uganda	1.70	75.11	0.36	
19	El Salvador	0.05	99.26	0.87	●	91	Ethiopia	1.94	71.71	0.36	
20	Armenia	0.07	98.98	0.86	●	92	Austria	1.99	70.94	0.16	○
21	Malawi	0.08	98.81	0.86	●	92	Belgium	1.99	70.94	0.16	○
22	Cameroon	0.10	98.60	0.85	●	92	Bulgaria	1.99	70.94	0.16	○
23	Mexico	0.11	98.37	0.84	●	92	Cyprus	1.99	70.94	0.16	○
24	Georgia	0.12	98.28	0.84	●	92	Czech Republic	1.99	70.94	0.16	○
25	Trinidad and Tobago	0.13	98.06	0.83	●	92	Denmark	1.99	70.94	0.16	○
26	Madagascar	0.13	98.05	0.82	●	92	Estonia	1.99	70.94	0.16	○
27	Yemen	0.14	97.93	0.81	●	92	Finland	1.99	70.94	0.16	○
28	Zimbabwe	0.17	97.54	0.81	●	92	France	1.99	70.94	0.16	○
29	Canada	0.18	97.36	0.80		92	Germany	1.99	70.94	0.16	○
30	Albania	0.19	97.23	0.79	●	92	Greece	1.99	70.94	0.16	○
31	Tunisia	0.20	97.08	0.79	●	92	Hungary	1.99	70.94	0.16	○
32	Gambia	0.22	96.84	0.78	●	92	Ireland	1.99	70.94	0.16	○
33	Rwanda	0.23	96.60	0.77	●	92	Italy	1.99	70.94	0.16	○
34	Venezuela, Bolivarian Rep.	0.24	96.52	0.76	●	92	Latvia	1.99	70.94	0.16	○
35	Uzbekistan	0.26	96.18	0.76	●	92	Lithuania	1.99	70.94	0.16	○
36	Peru	0.27	96.12	0.75	●	92	Luxembourg	1.99	70.94	0.16	○
37	Argentina	0.27	96.08	0.74		92	Malta	1.99	70.94	0.16	○
38	Nicaragua	0.28	95.98	0.74	●	92	Netherlands	1.99	70.94	0.16	○
39	Chile	0.28	95.93	0.73		92	Poland	1.99	70.94	0.16	○
40	Kazakhstan	0.28	95.85	0.72		92	Portugal	1.99	70.94	0.16	○
41	Croatia	0.29	95.70	0.71		92	Romania	1.99	70.94	0.16	○
42	Russian Federation	0.30	95.60	0.71		92	Slovakia	1.99	70.94	0.16	○
43	Brunei Darussalam	0.32	95.36	0.70		92	Slovenia	1.99	70.94	0.16	○
44	Nepal	0.33	95.18	0.69	●	92	Spain	1.99	70.94	0.16	○
45	Ecuador	0.36	94.79	0.69	●	92	Sweden	1.99	70.94	0.16	○
46	Moldova, Rep.	0.37	94.54	0.68		92	United Kingdom	1.99	70.94	0.16	○
47	Lao PDR (2008)	0.38	94.41	0.67	●	119	Ghana	2.05	70.10	0.16	
48	Honduras	0.39	94.24	0.66	●	120	Indonesia	2.06	69.91	0.15	
49	Burkina Faso	0.39	94.24	0.66	●	121	United Arab Emirates	2.35	65.64	0.14	○
50	Mongolia	0.40	94.18	0.65		122	India	2.49	63.65	0.14	
51	Norway	0.44	93.58	0.64		123	Belize	2.57	62.44	0.13	○
52	Kyrgyzstan	0.44	93.57	0.64		124	Botswana	2.62	61.66	0.12	○
53	Dominican Republic	0.45	93.49	0.63	●	125	China	2.63	61.55	0.11	○
54	Malaysia	0.46	93.33	0.62		126	Korea, Rep.	2.80	59.05	0.11	○
55	Brazil	0.47	93.07	0.61		127	Hong Kong (China)	2.83	58.69	0.10	○
56	Gabon	0.53	92.27	0.61		128	Mali	3.38	50.63	0.09	
57	Israel	0.57	91.70	0.60		129	Tanzania, United Rep.	3.55	48.10	0.09	
58	Namibia	0.57	91.70	0.59		130	Japan	3.70	45.96	0.08	○
59	Singapore	0.59	91.36	0.59	○	131	Bangladesh	4.26	37.77	0.07	
60	Fiji	0.61	91.11	0.58		132	Jordan	4.61	32.63	0.06	○
61	Zambia	0.66	90.37	0.57		133	Senegal	4.63	32.36	0.06	○
62	Niger	0.68	90.13	0.56	●	134	Swaziland	4.67	31.73	0.05	○
63	New Zealand	0.68	90.11	0.56		135	Sri Lanka	4.85	29.10	0.04	○
64	Belarus	0.72	89.52	0.55		136	Viet Nam	5.30	22.58	0.04	○
65	Paraguay	0.75	89.01	0.54		137	Togo	6.81	0.49	0.03	○
66	Kuwait	0.76	88.83	0.54		138	Benin	8.84	0.00	0.00	○
67	Kenya	0.78	88.67	0.53		138	Cambodia	8.48	0.00	0.00	○
68	Serbia	0.80	88.33	0.52		138	Pakistan	6.84	0.00	0.00	○
69	Saudi Arabia	0.87	87.24	0.51		138	Panama	7.60	0.00	0.00	○
70	Oman	0.96	85.97	0.51							
71	Morocco	0.96	85.96	0.50							
72	Qatar	0.96	85.94	0.49							

SOURCE: World Trade Organization (WTO), International Trade Centre (ITC), and United Nations Conference on Trade and Development (UNCTAD), *World Tariff Profiles 2011 and 2008* (2008–09)

THE GLOBAL INNOVATION INDEX 2012

4.3.3 Imports of goods and services

Imports of goods and services (% of GDP)^a | 2010

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Hong Kong (China)	217.35	100.00	0.99	●	73	Kenya	38.94	22.02	0.49	
1	Singapore	183.01	100.00	0.99	●	74	Croatia	38.83	21.94	0.48	
1	Luxembourg	133.80	100.00	0.99	●	75	Ecuador	38.62	21.76	0.47	
4	Guyana (2005)	119.21	88.00	0.98	●	76	Ghana	38.40	21.58	0.46	
5	Lesotho	113.80	83.56	0.97	●	77	Portugal	38.10	21.33	0.46	
6	Kyrgyzstan	89.16	63.31	0.96	●	78	Namibia	37.82	21.10	0.45	
7	Viet Nam	87.81	62.19	0.96	●	79	Tanzania, United Rep.	37.72	21.02	0.44	
8	Malta	83.41	58.58	0.95		80	Trinidad and Tobago (2008)	37.63	20.95	0.44	
9	Slovakia	82.37	57.73	0.94	●	81	Nepal	37.05	20.47	0.43	
10	Ireland	80.14	55.89	0.94		82	Philippines	36.62	20.11	0.42	
11	Hungary	80.04	55.81	0.93		83	Côte d'Ivoire	36.30	19.86	0.41	
12	Malaysia	79.49	55.36	0.92		84	Algeria (2009)	36.12	19.70	0.41	
13	Moldova, Rep.	78.23	54.32	0.91	●	85	Malawi	36.08	19.68	0.40	
14	Belgium	77.31	53.56	0.91		86	Guatemala	35.98	19.59	0.39	
15	Swaziland	76.86	53.20	0.90	●	87	Syrian Arab Rep.	35.76	19.41	0.39	
16	Czech Republic	74.55	51.29	0.89		88	Mali (2007)	35.58	19.26	0.38	
17	Bahrain (2008)	74.31	51.10	0.89		89	Saudi Arabia	35.44	19.14	0.37	
18	Estonia	71.59	48.86	0.88		90	Zambia	35.03	18.81	0.36	
19	Netherlands	70.58	48.03	0.87		91	Israel	34.92	18.72	0.36	○
20	Belize (2008)	70.04	47.59	0.86	●	92	Bolivia, Plurinational St.	34.32	18.23	0.35	
21	Nicaragua	69.63	47.26	0.86	●	93	Uganda	34.29	18.20	0.34	
22	Lithuania	69.61	47.24	0.85		94	Dominican Republic	34.01	17.97	0.34	
23	Panama	69.16	46.87	0.84	●	95	United Kingdom	32.84	17.01	0.33	○
24	United Arab Emirates	68.76	46.54	0.84		96	Cameroon	32.55	16.77	0.32	
25	Belarus	68.33	46.18	0.83		97	Ethiopia	32.48	16.72	0.31	
26	Macedonia, FYR	65.95	44.23	0.82	●	98	Botswana	31.94	16.27	0.31	
27	Jordan	65.91	44.20	0.81	●	99	Chile	31.85	16.19	0.30	○
28	Slovenia	64.86	43.33	0.81		100	Mexico	31.77	16.13	0.29	
29	Honduras	64.61	43.12	0.80	●	101	Canada	31.31	15.75	0.29	○
30	Fiji	64.44	42.98	0.79	●	102	Gabon	31.27	15.72	0.28	
31	Thailand	63.89	42.53	0.79		103	Qatar (2009)	31.22	15.68	0.27	
32	Montenegro	63.62	42.31	0.78	●	104	Uzbekistan	30.93	15.44	0.26	
33	Mongolia	62.35	41.27	0.77		105	Sri Lanka	30.82	15.35	0.26	
34	Togo (2007)	61.84	40.85	0.76	●	106	Greece	30.38	14.99	0.25	
35	Tajikistan	61.05	40.20	0.76	●	107	Romania	29.76	14.48	0.24	○
36	Bulgaria	59.70	39.09	0.75		108	Kazakhstan	29.21	14.03	0.24	
37	Cambodia	59.52	38.94	0.74	●	109	Rwanda (2009)	28.97	13.83	0.23	
38	Mauritius	57.57	37.34	0.74		110	Norway	28.63	13.55	0.22	○
39	Bosnia and Herzegovina	56.75	36.66	0.73		111	Italy	28.55	13.48	0.21	○
40	Zimbabwe	56.37	36.36	0.72	●	112	Spain	28.42	13.38	0.21	○
41	Paraguay	54.96	35.19	0.71	●	113	Kuwait (2009)	28.03	13.06	0.20	
42	Latvia	54.20	34.57	0.71		114	France	27.81	12.87	0.19	○
43	Tunisia	54.02	34.42	0.70		115	Benin	27.73	12.81	0.19	
44	Ukraine	52.98	33.56	0.69		116	Brunei Darussalam (2008)	27.61	12.71	0.18	○
45	Madagascar (2009)	52.82	33.44	0.69	●	117	New Zealand	27.19	12.36	0.17	○
46	Georgia	52.29	33.00	0.68		118	South Africa	27.12	12.31	0.16	○
47	Albania	51.75	32.56	0.67		119	Burkina Faso (2006)	26.81	12.05	0.16	
48	Serbia	51.39	32.26	0.66		120	Turkey	26.64	11.91	0.15	○
49	Austria	49.66	30.84	0.66		121	Nigeria	26.63	11.91	0.14	
50	Korea, Rep.	49.60	30.79	0.65		122	Egypt	26.13	11.50	0.14	○
51	Gambia	48.70	30.05	0.64	●	123	China	25.66	11.10	0.13	○
52	Burundi (2006)	46.98	28.63	0.64	●	124	Uruguay	25.04	10.60	0.12	○
53	Cyprus	46.56	28.29	0.63		125	Bangladesh	25.02	10.58	0.11	
54	Iceland	46.00	27.83	0.62		126	India	24.78	10.39	0.11	
55	Denmark	44.96	26.98	0.61		127	Niger (2005)	24.22	9.92	0.10	
56	Armenia	44.78	26.83	0.61		128	Indonesia	22.98	8.90	0.09	
57	Senegal	44.05	26.22	0.60		129	Peru	22.25	8.30	0.09	○
58	Sweden	43.92	26.12	0.59		130	Russian Federation	21.70	7.86	0.08	○
59	Angola	43.81	26.03	0.59	●	131	Australia (2008)	21.61	7.78	0.07	○
60	Lebanon	43.78	26.01	0.58		132	Iran, Islamic Rep. (2007)	21.54	7.72	0.06	○
61	El Salvador	43.64	25.89	0.57		133	Azerbaijan	20.36	6.75	0.06	○
62	Poland	43.48	25.76	0.56		134	Sudan	18.90	5.55	0.05	
63	Jamaica	43.26	25.58	0.56		135	Pakistan	18.76	5.44	0.04	○
64	Mozambique	43.23	25.55	0.55		136	Argentina	18.40	5.14	0.04	○
65	Morocco	42.92	25.29	0.54		137	Colombia	17.97	4.79	0.03	○
66	Switzerland	42.21	24.71	0.54	○	138	Venezuela, Bolivarian Rep.	17.17	4.13	0.02	○
67	Oman (2009)	41.49	24.12	0.53		139	United States of America	16.16	3.30	0.01	○
68	Yemen (2003)	41.44	24.08	0.52	●	140	Japan	14.07	1.58	0.01	○
69	Germany	41.36	24.01	0.51	○	141	Brazil	12.15	0.00	0.00	○
70	Costa Rica	41.16	23.85	0.51							
71	Lao PDR	40.89	23.63	0.50	●						
72	Finland	39.00	22.07	0.49	○						

SOURCE: World Bank and OECD, World Bank *World Development Indicators* database (2003–10)

4.3.4 Exports of goods and services

Exports of goods and services (% of GDP)^a | 2010

367

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Hong Kong (China)	222.96	100.00	0.98	●	73	Israel	36.96	30.56	0.49	
1	Singapore	211.06	100.00	0.98	●	74	Lao PDR	36.33	29.85	0.48	
1	Luxembourg	164.99	100.00	0.98	●	75	Bosnia and Herzegovina	35.92	29.39	0.47	
1	Ireland	98.79	100.00	0.98	●	76	Montenegro	35.56	28.98	0.46	
5	Malaysia	97.30	98.33	0.97	●	77	Syrian Arab Rep.	35.33	28.72	0.46	●
6	Bahrain (2008)	96.85	97.82	0.96	●	78	Serbia	34.89	28.23	0.45	
7	Hungary	86.55	86.24	0.96	●	79	Philippines	34.80	28.13	0.44	
8	Malta	85.16	84.69	0.95		80	Georgia	34.80	28.13	0.44	
9	Guyana (2005)	84.62	84.09	0.94	●	81	Morocco	33.00	26.11	0.43	
10	Slovakia	81.07	80.10	0.94	●	82	Ecuador	32.95	26.05	0.42	
11	Belgium	80.01	78.90	0.93	●	83	Iran, Islamic Rep. (2007)	32.18	25.19	0.41	
12	Czech Republic	79.31	78.12	0.92	●	84	Uzbekistan	31.47	24.39	0.41	
13	Brunei Darussalam (2008)	78.30	76.98	0.91	●	85	Portugal	30.94	23.79	0.40	
14	Estonia	78.27	76.95	0.91		86	Mexico	30.32	23.10	0.39	
15	Netherlands	78.05	76.70	0.90		87	Russian Federation	30.04	22.79	0.39	
16	United Arab Emirates	77.94	76.58	0.89		88	Albania	29.77	22.48	0.38	
17	Viet Nam	77.53	76.12	0.89	●	89	China	29.57	22.26	0.37	
18	Thailand	71.25	69.07	0.88	●	90	United Kingdom	29.45	22.12	0.36	○
19	Lithuania	68.22	65.66	0.87	●	91	Canada	29.43	22.10	0.36	○
20	Slovenia	65.42	62.52	0.86	●	92	Gambia	29.30	21.95	0.35	
21	Trinidad and Tobago (2008)	65.34	62.43	0.86	●	93	Madagascar (2009)	28.83	21.42	0.34	
22	Panama	65.23	62.30	0.85	●	94	New Zealand	28.71	21.29	0.34	○
23	Belize (2008)	62.09	58.77	0.84	●	95	Venezuela, Bolivarian Rep.	28.69	21.27	0.33	
24	Swaziland	58.10	54.30	0.84	●	96	Botswana	28.56	21.12	0.32	
25	Angola	57.95	54.13	0.83	●	97	Cameroon	27.92	20.41	0.31	
26	Bulgaria	57.80	53.96	0.82		98	Italy	26.78	19.12	0.31	
27	Kyrgyzstan	57.74	53.90	0.81		99	Malawi	26.32	18.61	0.30	
28	Paraguay	57.10	53.17	0.81	●	100	Spain	26.26	18.53	0.29	○
29	Saudi Arabia	56.79	52.83	0.80		101	Mali (2007)	26.18	18.44	0.29	
30	Kuwait (2009)	56.37	52.35	0.79		102	El Salvador	26.17	18.44	0.28	
31	Iceland	56.03	51.98	0.79		103	Kenya	25.96	18.20	0.27	
32	Azerbaijan	55.13	50.96	0.78	●	104	Uruguay	25.86	18.09	0.26	
33	Mongolia	54.70	50.48	0.77		105	Jamaica	25.55	17.74	0.26	
34	Belarus	54.62	50.39	0.76		106	South Africa	25.54	17.73	0.25	
35	Cambodia	54.08	49.79	0.76	●	107	France	25.46	17.64	0.24	○
36	Austria	53.97	49.66	0.75		108	Ghana	25.28	17.44	0.24	
37	Switzerland	53.55	49.19	0.74		109	Mozambique	25.25	17.41	0.23	
38	Latvia	53.37	48.99	0.74		110	Peru	25.11	17.24	0.22	
39	Oman (2009)	52.64	48.17	0.73		111	Guatemala	25.10	17.23	0.21	
40	Fiji	52.54	48.05	0.72	●	112	Indonesia	24.61	16.69	0.21	
41	Korea, Rep.	52.39	47.89	0.71		113	Senegal	24.51	16.57	0.20	
42	Gabon	52.31	47.79	0.71	●	114	Uganda	24.02	16.03	0.19	
43	Denmark	50.56	45.83	0.70		115	Tanzania, United Rep.	23.98	15.98	0.19	
44	Ukraine	50.19	45.41	0.69		116	Romania	23.49	15.42	0.18	○
45	Sweden	49.96	45.16	0.69		117	Dominican Republic	22.26	14.05	0.17	
46	Lesotho	49.17	44.26	0.68	●	118	Argentina	21.71	13.42	0.16	○
47	Tunisia	48.71	43.76	0.67		119	Sri Lanka	21.69	13.40	0.16	
48	Macedonia, FYR	47.31	42.18	0.66		120	India	21.54	13.24	0.15	
49	Germany	46.83	41.64	0.66		121	Greece	21.50	13.20	0.14	
50	Qatar (2009)	46.75	41.55	0.65		122	Egypt	21.35	13.02	0.14	○
51	Mauritius	45.19	39.80	0.64		123	Turkey	21.12	12.76	0.13	○
52	Jordan	44.53	39.06	0.64		124	Lebanon	20.95	12.57	0.12	○
53	Zambia	44.10	38.58	0.63	●	125	Armenia	20.58	12.16	0.11	
54	Kazakhstan	43.95	38.41	0.62		126	Australia (2008)	19.79	11.27	0.11	○
55	Honduras	43.87	38.32	0.61	●	127	Sudan	19.77	11.24	0.10	
56	Poland	42.28	36.53	0.61		128	Bangladesh	18.41	9.72	0.09	
57	Norway	41.94	36.15	0.60		129	Colombia	15.75	6.74	0.09	○
58	Togo (2007)	41.54	35.69	0.59	●	130	Japan	15.22	6.14	0.08	○
59	Nicaragua	41.34	35.48	0.59		131	Tajikistan	15.20	6.12	0.07	
60	Bolivia, Plurinational St.	41.19	35.30	0.58		132	Niger (2005)	15.04	5.94	0.06	
61	Côte d'Ivoire	40.90	34.98	0.57	●	133	Benin	14.12	4.91	0.06	○
62	Algeria (2009)	40.40	34.42	0.56		134	Pakistan	13.55	4.27	0.05	
63	Finland	40.30	34.31	0.56		135	United States of America	12.61	3.21	0.04	○
64	Cyprus	40.11	34.10	0.55		136	Rwanda (2009)	11.60	2.07	0.04	
65	Moldova, Rep.	39.59	33.51	0.54		137	Burkina Faso (2006)	11.53	1.99	0.03	○
66	Nigeria	39.37	33.26	0.54	●	138	Ethiopia	11.41	1.87	0.02	
67	Namibia	38.93	32.77	0.53		139	Brazil	11.15	1.57	0.01	○
68	Chile	38.72	32.53	0.52		140	Burundi (2006)	10.73	1.10	0.01	○
69	Croatia	38.32	32.09	0.51		141	Nepal	9.75	0.00	0.00	○
70	Costa Rica	38.07	31.80	0.51							
71	Yemen (2003)	38.00	31.73	0.50							
72	Zimbabwe	37.33	30.97	0.49							

SOURCE: World Bank and OECD, World Bank *World Development Indicators* database (2003–10)

4.3.5 Intensity of local competition

Average answer to the question: How would you assess the intensity of competition in the local markets in your country?
1 = limited in most industries; 7 = intense in most industries[†] | 2011

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Belgium	5.96	82.74	1.00	●	73	Yemen	4.74	62.31	0.45	
2	United Kingdom	5.93	82.09	0.99	●	74	Uganda	4.71	61.78	0.45	
3	Japan	5.92	81.99	0.98	●	75	Guyana	4.70	61.73	0.44	
4	Qatar	5.88	81.41	0.98	●	76	Kuwait	4.70	61.59	0.43	
5	Netherlands	5.87	81.23	0.97		77	Latvia	4.69	61.54	0.42	
6	Australia	5.87	81.16	0.96	●	78	Greece	4.64	60.67	0.42	
7	Austria	5.80	80.00	0.95	●	79	Côte d'Ivoire	4.63	60.49	0.41	
8	Germany	5.80	79.92	0.95	●	80	Mexico	4.62	60.27	0.40	
9	Sweden	5.78	79.71	0.94		81	Colombia	4.61	60.15	0.39	
10	Malta	5.78	79.65	0.93		82	Gambia	4.59	59.81	0.39	
11	France	5.71	78.54	0.92	●	83	Namibia	4.58	59.64	0.38	
12	Turkey	5.70	78.31	0.92	●	84	Cambodia	4.58	59.63	0.37	
13	Hong Kong (China)	5.68	77.98	0.91		85	Indonesia	4.58	59.60	0.36	
14	Korea, Rep.	5.65	77.44	0.90		86	Cameroon	4.56	59.35	0.36	
15	Czech Republic	5.64	77.35	0.89	●	87	Pakistan	4.54	59.01	0.35	
16	Saudi Arabia	5.63	77.16	0.89	●	88	Bangladesh	4.54	59.01	0.34	
17	United States of America	5.61	76.82	0.88		89	Benin	4.54	58.98	0.33	
18	United Arab Emirates	5.60	76.75	0.87		90	Zimbabwe	4.51	58.51	0.33	
19	Canada	5.58	76.26	0.86		91	Mali	4.48	58.01	0.32	
20	China	5.55	75.81	0.86		92	Mongolia	4.48	58.00	0.31	
21	Spain	5.49	74.84	0.85		93	Romania	4.46	57.63	0.30	
22	Switzerland	5.46	74.29	0.84		94	Honduras	4.45	57.53	0.30	
23	Bahrain	5.45	74.23	0.83		95	Bulgaria	4.44	57.32	0.29	○
24	Malaysia	5.45	74.10	0.83		96	Paraguay	4.42	57.01	0.28	
25	Israel	5.44	73.99	0.82		97	Malawi	4.38	56.32	0.27	
26	Lebanon	5.43	73.89	0.81		98	Rwanda	4.37	56.15	0.27	
27	Estonia	5.40	73.28	0.80		99	Uruguay	4.37	56.11	0.26	
28	Cyprus	5.39	73.17	0.80		100	Moldova, Rep.	4.35	55.92	0.25	
29	India	5.39	73.10	0.79	●	101	Argentina	4.26	54.29	0.24	
30	Norway	5.38	72.97	0.78		102	Iran, Islamic Rep.	4.24	54.06	0.23	
31	Singapore	5.38	72.96	0.77		103	Belize	4.22	53.73	0.23	
32	Jordan	5.36	72.73	0.77		104	Lesotho	4.20	53.40	0.22	
33	Sri Lanka	5.36	72.71	0.76	●	105	Ecuador	4.20	53.32	0.21	
34	Chile	5.36	72.68	0.75		106	Macedonia, FYR	4.17	52.90	0.20	○
35	Slovakia	5.35	72.58	0.74		107	Tanzania, United Rep.	4.16	52.70	0.20	
36	Poland	5.34	72.30	0.73		108	Madagascar	4.15	52.57	0.19	
37	Hungary	5.33	72.12	0.73		109	Burundi	4.15	52.55	0.18	
38	El Salvador	5.30	71.74	0.72	●	110	Egypt	4.14	52.32	0.17	
39	Luxembourg	5.25	70.75	0.71		111	Croatia	4.09	51.48	0.17	○
40	Tunisia	5.23	70.47	0.70		112	Tajikistan	4.08	51.42	0.16	
41	Panama	5.20	69.98	0.70		113	Kazakhstan	4.06	50.92	0.15	
42	Syrian Arab Rep.	5.17	69.50	0.69	●	114	Nicaragua	4.05	50.85	0.14	
43	New Zealand	5.17	69.46	0.68		115	Swaziland	4.04	50.67	0.14	
44	Denmark	5.17	69.42	0.67		116	Ukraine	4.04	50.59	0.13	○
45	Philippines	5.16	69.40	0.67	●	117	Montenegro	4.03	50.54	0.12	○
46	Brazil	5.16	69.35	0.66		118	Albania	4.03	50.52	0.11	
47	South Africa	5.15	69.18	0.65		119	Nepal	4.03	50.48	0.11	
48	Guatemala	5.14	68.95	0.64	●	120	Russian Federation	3.99	49.78	0.10	○
49	Slovenia	5.12	68.70	0.64		121	Ethiopia	3.97	49.53	0.09	
50	Thailand	5.12	68.63	0.63		122	Kyrgyzstan	3.92	48.61	0.08	
51	Morocco	5.10	68.30	0.62		123	Georgia	3.90	48.34	0.08	○
52	Oman	5.10	68.29	0.61		124	Mozambique	3.90	48.31	0.07	
53	Peru	5.09	68.21	0.61		125	Burkina Faso	3.89	48.09	0.06	
54	Portugal	5.06	67.71	0.60		126	Algeria	3.88	47.98	0.05	
55	Mauritius	5.04	67.30	0.59		127	Bosnia and Herzegovina	3.82	46.98	0.05	○
56	Italy	5.04	67.28	0.58		128	Azerbaijan	3.79	46.53	0.04	○
57	Ireland	5.03	67.11	0.58		129	Bolivia, Plurinational St.	3.76	45.97	0.03	○
58	Dominican Republic	5.01	66.85	0.57		130	Serbia	3.61	43.42	0.02	○
59	Senegal	5.01	66.82	0.56		131	Armenia	3.36	39.34	0.02	○
60	Viet Nam	4.97	66.15	0.55		132	Venezuela, Bolivarian Rep.	3.34	38.96	0.01	○
61	Brunei Darussalam	4.95	65.88	0.55		133	Angola	3.17	36.09	0.00	○
62	Lithuania	4.95	65.84	0.54		n/a	Belarus	n/a	n/a	n/a	
63	Costa Rica	4.95	65.81	0.53		n/a	Fiji	n/a	n/a	n/a	
64	Kenya	4.92	65.36	0.52		n/a	Gabon	n/a	n/a	n/a	
65	Ghana	4.90	64.97	0.52		n/a	Lao PDR	n/a	n/a	n/a	
66	Trinidad and Tobago	4.87	64.43	0.51		n/a	Niger	n/a	n/a	n/a	
67	Finland	4.80	63.30	0.50	○	n/a	Sudan	n/a	n/a	n/a	
68	Jamaica	4.77	62.78	0.49		n/a	Togo	n/a	n/a	n/a	
69	Nigeria	4.76	62.74	0.48		n/a	Uzbekistan	n/a	n/a	n/a	
70	Zambia	4.76	62.73	0.48							
71	Botswana	4.75	62.56	0.47							
72	Iceland	4.74	62.36	0.46							

SOURCE: World Economic Forum, Executive Opinion Survey 2010–2011

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Singapore	51.02	100.00	1.00	●	73	Algeria (2004)	19.10	34.41	0.31	
2	Netherlands	47.20	92.16	0.99	●	74	Kuwait (2005)	18.70	33.58	0.30	
3	Switzerland	47.13	92.00	0.98		75	Peru	18.55	33.27	0.29	
4	Iceland	46.02	89.73	0.97		76	Mexico	18.44	33.05	0.28	
5	Denmark	45.15	87.93	0.96		77	Kyrgyzstan (2006)	18.31	32.78	0.27	
6	Sweden	44.46	86.52	0.95		78	Ecuador (2006)	18.08	32.32	0.26	
7	Finland	43.82	85.19	0.94		79	Argentina (2006)	17.71	31.56	0.25	
8	Norway	43.46	84.47	0.93		80	Panama	17.66	31.46	0.24	
9	Belgium	43.42	84.39	0.92		81	Botswana (2006)	17.10	30.31	0.23	
10	New Zealand	42.92	83.36	0.91		82	Yemen (2005)	16.97	30.03	0.22	
11	Australia	42.87	83.25	0.90		83	Namibia (2004)	16.91	29.91	0.21	
12	United Kingdom	42.53	82.56	0.89		84	Dominican Republic (2007)	15.82	27.66	0.20	
13	Canada	42.39	82.26	0.88		85	Mauritius	15.80	27.63	0.19	○
14	Germany	41.91	81.29	0.88		86	Syrian Arab Rep. (2007)	15.52	27.05	0.18	
15	Israel	41.26	79.95	0.87		87	Iran, Islamic Rep.	15.04	26.06	0.17	
16	France	40.77	78.93	0.86		88	Nicaragua (2006)	14.82	25.62	0.16	
17	Russian Federation	40.69	78.77	0.85	●	89	Bolivia, Plurinational St. (2007)	14.32	24.59	0.15	
18	Czech Republic	40.48	78.34	0.84		90	Paraguay	14.01	23.94	0.14	
19	Latvia	40.19	77.74	0.83		91	Honduras (2005)	12.83	21.53	0.13	○
20	Lithuania	39.65	76.63	0.82		92	Guyana (2002)	12.68	21.21	0.13	○
21	Italy	39.65	76.63	0.81		93	El Salvador (2007)	12.49	20.83	0.12	
22	Ireland	38.82	74.93	0.80		94	Ethiopia (2006)	12.38	20.60	0.11	
23	Estonia	38.80	74.88	0.79		95	Thailand	10.77	17.28	0.10	○
24	Slovenia	37.98	73.20	0.78		96	Indonesia	7.41	10.38	0.09	○
25	Japan	37.81	72.85	0.77		97	Viet Nam (2004)	7.41	10.38	0.08	○
26	Austria	36.74	70.65	0.76		98	China (2005)	7.37	10.31	0.07	○
27	Hungary	36.67	70.50	0.75		99	Bangladesh (2005)	7.33	10.21	0.06	○
28	United States of America	36.30	69.74	0.74		100	Morocco	6.79	9.10	0.05	○
29	United Arab Emirates	36.09	69.32	0.73		101	Nepal (2001)	4.75	4.92	0.04	
30	Hong Kong (China)	35.95	69.04	0.72		102	Uganda (2003)	4.30	3.99	0.03	○
31	Montenegro (2005)	35.94	69.00	0.71		103	Tanzania, United Rep. (2006)	2.57	0.44	0.02	○
32	Malta	35.93	68.99	0.70		104	Cambodia (2004)	2.52	0.33	0.01	○
33	Slovakia	34.56	66.17	0.69		105	Madagascar (2005)	2.36	0.00	0.00	○
34	Greece	33.49	63.98	0.68		n/a	Albania	n/a	n/a	n/a	
35	Poland	32.79	62.54	0.67		n/a	Angola	n/a	n/a	n/a	
36	Spain	32.44	61.83	0.66		n/a	Belarus	n/a	n/a	n/a	
37	Ukraine	32.07	61.07	0.65		n/a	Benin	n/a	n/a	n/a	
38	Lebanon (2007)	31.85	60.61	0.64		n/a	Bosnia and Herzegovina	n/a	n/a	n/a	
39	Cyprus	31.43	59.75	0.63		n/a	Burkina Faso	n/a	n/a	n/a	
40	Chile	30.63	58.10	0.63		n/a	Burundi	n/a	n/a	n/a	
41	Egypt (2007)	30.26	57.35	0.62	●	n/a	Cameroon	n/a	n/a	n/a	
42	Croatia	30.09	56.98	0.61		n/a	Côte d'Ivoire	n/a	n/a	n/a	
43	Serbia	28.72	54.18	0.60		n/a	Fiji	n/a	n/a	n/a	
44	Bulgaria	28.59	53.91	0.59		n/a	Gabon	n/a	n/a	n/a	
45	Brunei Darussalam (2003)	28.35	53.42	0.58		n/a	Gambia	n/a	n/a	n/a	
46	Kazakhstan	28.33	53.38	0.57		n/a	Ghana	n/a	n/a	n/a	
47	Moldova, Rep.	28.18	53.06	0.56		n/a	Guatemala	n/a	n/a	n/a	
48	Costa Rica	27.43	51.52	0.55		n/a	India	n/a	n/a	n/a	
49	Malaysia	26.82	50.27	0.54		n/a	Jordan	n/a	n/a	n/a	
50	Macedonia, FYR	25.52	47.60	0.53		n/a	Kenya	n/a	n/a	n/a	
51	Portugal	24.37	45.24	0.52		n/a	Lao PDR	n/a	n/a	n/a	
52	Qatar (2007)	24.20	44.89	0.51		n/a	Lesotho	n/a	n/a	n/a	
53	Armenia (2001)	24.14	44.77	0.50		n/a	Luxembourg	n/a	n/a	n/a	
54	Venezuela, Bolivarian Rep.	23.87	44.22	0.49		n/a	Malawi	n/a	n/a	n/a	
55	South Africa	23.67	43.80	0.48		n/a	Mali	n/a	n/a	n/a	
56	Saudi Arabia	22.88	42.18	0.47		n/a	Mozambique	n/a	n/a	n/a	
57	Trinidad and Tobago (2005)	22.75	41.91	0.46		n/a	Niger	n/a	n/a	n/a	
58	Korea, Rep.	22.44	41.26	0.45		n/a	Nigeria	n/a	n/a	n/a	
59	Georgia (2007)	22.25	40.88	0.44		n/a	Oman	n/a	n/a	n/a	
60	Turkey	22.12	40.61	0.43		n/a	Rwanda	n/a	n/a	n/a	
61	Romania	21.80	39.96	0.42		n/a	Senegal	n/a	n/a	n/a	
62	Colombia	21.58	39.50	0.41		n/a	Sudan	n/a	n/a	n/a	
63	Uruguay (2007)	21.40	39.12	0.40		n/a	Swaziland	n/a	n/a	n/a	
64	Bahrain	20.73	37.76	0.39		n/a	Tajikistan	n/a	n/a	n/a	
65	Belize (2005)	20.41	37.09	0.38		n/a	Togo	n/a	n/a	n/a	
66	Azerbaijan	20.26	36.80	0.38		n/a	Tunisia	n/a	n/a	n/a	
67	Mongolia	20.21	36.68	0.37		n/a	Uzbekistan	n/a	n/a	n/a	
68	Jamaica	20.11	36.49	0.36		n/a	Zambia	n/a	n/a	n/a	
69	Philippines	19.74	35.72	0.35		n/a	Zimbabwe	n/a	n/a	n/a	
70	Sri Lanka	19.69	35.63	0.34							
71	Pakistan	19.48	35.19	0.33							
72	Brazil (2007)	19.31	34.84	0.32							

SOURCE: International Labour Organization, *LABORSTA Database of Labor Statistics* (2001–08)

5.1.2 Firms offering formal training

Firms offering formal training (% of firms) | 2009

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	China (2003)	84.78	100.00	1.00	●	73	Jamaica (2010)	25.94	26.50	0.31	
2	Thailand (2006)	75.34	88.21	0.99	●	74	Nigeria (2007)	25.73	26.23	0.30	
3	Ireland (2005)	73.16	85.48	0.98	●	75	Mauritius	25.58	26.05	0.30	
4	Czech Republic	70.72	82.44	0.97	●	76	Gambia (2006)	25.57	26.03	0.29	
5	Estonia	69.26	80.61	0.96	●	77	Cameroon	25.51	25.96	0.28	
6	Bosnia and Herzegovina	66.45	77.10	0.95	●	78	Montenegro	25.21	25.58	0.27	○
7	Ecuador (2010)	65.89	76.40	0.94	●	79	Romania	24.91	25.21	0.26	
8	Colombia (2010)	65.15	75.48	0.93	●	80	Burkina Faso	24.83	25.11	0.25	
9	Argentina (2010)	63.60	73.54	0.92	●	81	Ukraine (2008)	24.82	25.10	0.24	
10	Guyana (2010)	63.01	72.80	0.91	●	82	Morocco (2007)	24.68	24.92	0.23	
11	Mongolia	61.22	70.57	0.90	●	83	Jordan (2006)	23.93	23.99	0.22	
12	Fiji	61.00	70.29	0.90	●	84	Angola (2010)	23.53	23.49	0.21	
13	El Salvador (2010)	60.97	70.26	0.89	●	85	Burundi (2006)	22.10	21.70	0.20	
14	Poland	60.92	70.19	0.88	●	86	Mozambique (2007)	22.08	21.67	0.19	
15	Peru (2010)	60.08	69.14	0.87	●	87	Egypt (2008)	21.70	21.20	0.18	
16	Chile (2010)	57.53	65.96	0.86	●	88	Tajikistan (2008)	21.11	20.46	0.17	
17	Bolivia, Plurinational St. (2010)	57.10	65.42	0.85	●	89	Oman (2003)	20.92	20.22	0.16	○
18	Venezuela, Bolivarian Rep. (2010)	55.95	63.99	0.84	●	90	Greece (2005)	19.96	19.03	0.15	
19	Paraguay (2010)	54.94	62.72	0.83	●	91	Albania (2007)	19.94	19.00	0.14	
20	Costa Rica (2010)	54.68	62.40	0.82		92	Côte d'Ivoire	19.11	17.96	0.13	
21	Dominican Republic (2005)	53.33	60.71	0.81	●	93	Macedonia, FYR	18.95	17.76	0.12	○
22	Brazil	52.94	60.22	0.80	●	94	Algeria (2007)	17.30	15.70	0.11	
23	Lebanon	52.36	59.50	0.79		95	Senegal (2007)	16.30	14.45	0.10	
24	Russian Federation	52.17	59.26	0.78		96	India (2006)	15.93	13.99	0.10	○
25	Guatemala (2010)	51.94	58.98	0.77	●	97	Hungary	14.80	12.58	0.09	○
26	Botswana (2010)	51.92	58.95	0.76	●	98	Georgia (2008)	14.53	12.24	0.08	○
27	Spain (2005)	51.26	58.13	0.75		99	Yemen (2010)	12.92	10.23	0.07	
28	Swaziland (2006)	50.95	57.74	0.74		100	Lao PDR	11.13	8.00	0.06	
29	Mexico (2010)	50.75	57.49	0.73	●	101	Panama (2010)	10.98	7.81	0.05	○
30	Malaysia (2007)	50.14	56.73	0.72		102	Azerbaijan	10.54	7.26	0.04	○
31	Uruguay (2010)	48.60	54.80	0.71		103	Uzbekistan (2008)	9.63	6.12	0.03	○
32	Kenya (2003)	48.45	54.62	0.70		104	Nepal	8.79	5.07	0.02	○
33	Malawi	48.42	54.58	0.70	●	105	Pakistan (2007)	6.70	2.46	0.01	○
34	Cambodia (2007)	48.35	54.49	0.69	●	106	Indonesia	4.73	0.00	0.00	○
35	Slovenia	47.46	53.38	0.68		n/a	Australia	n/a	n/a	n/a	
36	Nicaragua (2010)	47.21	53.07	0.67	●	n/a	Austria	n/a	n/a	n/a	
37	Lithuania	45.98	51.53	0.66		n/a	Bahrain	n/a	n/a	n/a	
38	Namibia (2006)	44.51	49.69	0.65		n/a	Belgium	n/a	n/a	n/a	
39	Belarus (2008)	44.42	49.58	0.64		n/a	Belize	n/a	n/a	n/a	
40	Viet Nam	43.55	48.49	0.63		n/a	Brunei Darussalam	n/a	n/a	n/a	
41	Latvia	43.44	48.36	0.62		n/a	Canada	n/a	n/a	n/a	
42	Lesotho	42.47	47.15	0.61		n/a	Cyprus	n/a	n/a	n/a	
43	Kazakhstan	40.87	45.15	0.60		n/a	Denmark	n/a	n/a	n/a	
44	Korea, Rep. (2005)	39.45	43.37	0.59		n/a	Finland	n/a	n/a	n/a	
45	Syrian Arab Rep.	38.29	41.92	0.58	●	n/a	France	n/a	n/a	n/a	
46	Ethiopia (2006)	38.20	41.81	0.57	●	n/a	Hong Kong (China)	n/a	n/a	n/a	
47	South Africa (2007)	36.76	40.01	0.56		n/a	Iceland	n/a	n/a	n/a	
48	Serbia	36.53	39.73	0.55		n/a	Iran, Islamic Rep.	n/a	n/a	n/a	
49	Tanzania, United Rep. (2006)	36.48	39.66	0.54	●	n/a	Israel	n/a	n/a	n/a	
50	Honduras (2010)	35.79	38.80	0.53		n/a	Italy	n/a	n/a	n/a	
51	Germany (2005)	35.38	38.29	0.52		n/a	Japan	n/a	n/a	n/a	
52	Uganda (2006)	34.95	37.75	0.51		n/a	Kuwait	n/a	n/a	n/a	
53	Moldova, Rep.	33.11	35.45	0.50		n/a	Luxembourg	n/a	n/a	n/a	
54	Slovakia	33.05	35.38	0.50		n/a	Malta	n/a	n/a	n/a	
55	Ghana (2007)	32.99	35.30	0.49		n/a	Netherlands	n/a	n/a	n/a	
56	Sri Lanka (2004)	32.55	34.75	0.48		n/a	New Zealand	n/a	n/a	n/a	
57	Benin	32.41	34.58	0.47	●	n/a	Norway	n/a	n/a	n/a	
58	Mali (2010)	32.09	34.18	0.45		n/a	Qatar	n/a	n/a	n/a	
58	Niger	32.09	34.18	0.45	●	n/a	Saudi Arabia	n/a	n/a	n/a	
60	Portugal (2005)	31.89	33.93	0.44		n/a	Singapore	n/a	n/a	n/a	
61	Philippines	31.11	32.95	0.43		n/a	Sudan	n/a	n/a	n/a	
62	Togo	30.96	32.77	0.42		n/a	Sweden	n/a	n/a	n/a	
63	Gabon	30.89	32.68	0.41		n/a	Switzerland	n/a	n/a	n/a	
64	Bulgaria	30.65	32.38	0.40		n/a	Trinidad and Tobago	n/a	n/a	n/a	
65	Armenia	30.35	32.00	0.39		n/a	Tunisia	n/a	n/a	n/a	
66	Kyrgyzstan	29.67	31.16	0.38		n/a	United Arab Emirates	n/a	n/a	n/a	
67	Turkey (2008)	28.75	30.01	0.37		n/a	United Kingdom	n/a	n/a	n/a	
68	Croatia (2007)	28.02	29.09	0.36	○	n/a	United States of America	n/a	n/a	n/a	
69	Rwanda (2006)	27.58	28.54	0.35		n/a	Zimbabwe	n/a	n/a	n/a	
70	Bangladesh (2002)	27.15	28.01	0.34							
71	Madagascar	27.03	27.86	0.33							
72	Zambia (2007)	26.02	26.60	0.32							

SOURCE: International Finance Corporation and World Bank, *Enterprise Surveys*, World Bank *World Development Indicators* database (2002–10)

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Malaysia (2006)	84.91	100.00	1.00	●	73	Kenya (2007)	11.68	13.75	0.18	
2	Israel	79.40	93.51	0.99	●	74	Moldova, Rep.	11.30	13.31	0.17	
3	Japan (2008)	78.46	92.41	0.98	●	75	Iran, Islamic Rep. (2008)	10.61	12.50	0.16	
4	Korea, Rep. (2008)	75.37	88.76	0.97	●	76	Ecuador (2008)	8.53	10.05	0.15	
5	Luxembourg	73.70	86.80	0.95		77	Uganda	8.23	9.70	0.14	
6	Switzerland (2008)	73.50	86.56	0.94		78	Mongolia	6.94	8.17	0.13	○
7	China (2008)	73.26	86.28	0.93		79	Montenegro (2007)	5.15	6.07	0.11	○
8	United States of America (2008)	72.60	85.51	0.92		80	Ghana (2007)	4.94	5.82	0.10	
9	Singapore (2008)	71.83	84.59	0.91		81	Indonesia (2005)	3.74	4.40	0.09	○
10	Finland (2010)	71.03	83.65	0.90		82	Mali (2007)	2.97	3.50	0.08	
11	Austria	70.56	83.10	0.89		83	Brunei Darussalam (2003)	2.34	2.75	0.07	○
12	Sweden	70.49	83.01	0.88		84	Zambia (2008)	2.02	2.38	0.06	
13	Germany	68.16	80.28	0.86		85	Trinidad and Tobago (2008)	1.93	2.28	0.05	○
14	Belgium	67.29	79.25	0.85		86	Guatemala (2007)	0.86	1.01	0.03	○
15	Denmark	66.82	78.70	0.84		87	Senegal (2008)	0.86	1.01	0.02	○
16	Ireland	66.27	78.05	0.83		88	Panama	0.22	0.26	0.01	○
17	Slovenia	64.61	76.09	0.82		89	Albania (2008)	0.00	0.00	0.00	○
18	Malta	62.39	73.47	0.81		n/a	Algeria	n/a	n/a	n/a	
19	Russian Federation	62.38	73.46	0.80		n/a	Angola	n/a	n/a	n/a	
20	United Kingdom (2010)	61.99	73.01	0.78		n/a	Armenia	n/a	n/a	n/a	
21	France	61.91	72.91	0.77		n/a	Bahrain	n/a	n/a	n/a	
22	Australia (2008)	60.77	71.57	0.76		n/a	Bangladesh	n/a	n/a	n/a	
23	Czech Republic	60.01	70.68	0.75		n/a	Belize	n/a	n/a	n/a	
24	South Africa (2007)	57.66	67.91	0.74		n/a	Benin	n/a	n/a	n/a	
25	Hungary	57.24	67.41	0.73		n/a	Bosnia and Herzegovina	n/a	n/a	n/a	
26	Philippines (2007)	56.95	67.07	0.72	●	n/a	Burkina Faso	n/a	n/a	n/a	
27	Ukraine	54.77	64.51	0.70		n/a	Burundi	n/a	n/a	n/a	
28	Iceland (2008)	54.56	64.26	0.69		n/a	Cameroon	n/a	n/a	n/a	
29	Canada	54.08	63.70	0.68		n/a	Côte d'Ivoire	n/a	n/a	n/a	
30	Norway	52.61	61.96	0.67		n/a	Dominican Republic	n/a	n/a	n/a	
31	Belarus	51.99	61.23	0.66		n/a	Egypt	n/a	n/a	n/a	
32	Spain	51.90	61.12	0.65		n/a	El Salvador	n/a	n/a	n/a	
33	Italy	51.49	60.64	0.64		n/a	Ethiopia	n/a	n/a	n/a	
34	Netherlands	47.88	56.38	0.63		n/a	Fiji	n/a	n/a	n/a	
35	Mexico (2007)	47.37	55.79	0.61		n/a	Gabon	n/a	n/a	n/a	
36	Portugal	46.70	55.00	0.60		n/a	Gambia	n/a	n/a	n/a	
37	Thailand (2007)	45.05	53.06	0.59		n/a	Georgia	n/a	n/a	n/a	
38	Estonia	44.66	52.60	0.58		n/a	Guyana	n/a	n/a	n/a	
39	New Zealand (2007)	42.66	50.25	0.57		n/a	Honduras	n/a	n/a	n/a	
40	Hong Kong (China)	42.65	50.23	0.56		n/a	Jamaica	n/a	n/a	n/a	
41	Slovakia	41.05	48.34	0.55		n/a	Jordan	n/a	n/a	n/a	
42	Chile (2008)	40.42	47.60	0.53		n/a	Kuwait	n/a	n/a	n/a	
43	Croatia	40.42	47.60	0.52		n/a	Lebanon	n/a	n/a	n/a	
44	Brazil (2004)	40.20	47.35	0.51		n/a	Lesotho	n/a	n/a	n/a	
45	Romania	40.18	47.32	0.50		n/a	Madagascar	n/a	n/a	n/a	
46	Turkey	40.00	47.11	0.49		n/a	Malawi	n/a	n/a	n/a	
47	Lao PDR (2002)	36.89	43.45	0.48		n/a	Mauritius	n/a	n/a	n/a	
48	Latvia	36.39	42.86	0.47		n/a	Mozambique	n/a	n/a	n/a	
49	India (2007)	33.92	39.95	0.45		n/a	Namibia	n/a	n/a	n/a	
50	Sudan (2005)	33.71	39.70	0.44		n/a	Nepal	n/a	n/a	n/a	
51	Kazakhstan	32.75	38.57	0.43		n/a	Nicaragua	n/a	n/a	n/a	
52	Costa Rica (2008)	30.21	35.58	0.42		n/a	Niger	n/a	n/a	n/a	
53	Bulgaria	29.96	35.28	0.41		n/a	Nigeria	n/a	n/a	n/a	
54	Peru (2004)	29.17	34.36	0.40		n/a	Oman	n/a	n/a	n/a	
55	Macedonia, FYR (2008)	28.53	33.61	0.39		n/a	Pakistan	n/a	n/a	n/a	
56	Poland	28.50	33.56	0.38		n/a	Paraguay	n/a	n/a	n/a	
57	Argentina (2008)	27.44	32.32	0.36		n/a	Qatar	n/a	n/a	n/a	
58	Greece (2007)	26.94	31.73	0.35		n/a	Rwanda	n/a	n/a	n/a	
59	Bolivia, Plurinational St. (2002)	25.00	29.44	0.34		n/a	Saudi Arabia	n/a	n/a	n/a	
60	Lithuania	23.74	27.96	0.33		n/a	Swaziland	n/a	n/a	n/a	
61	Kyrgyzstan	23.31	27.46	0.32		n/a	Syrian Arab Rep.	n/a	n/a	n/a	
62	Cyprus	22.08	26.00	0.31	○	n/a	Tajikistan	n/a	n/a	n/a	
63	Morocco (2006)	22.05	25.97	0.30		n/a	Tanzania, United Rep.	n/a	n/a	n/a	
64	Azerbaijan	22.00	25.91	0.28		n/a	Togo	n/a	n/a	n/a	
65	Tunisia	20.03	23.59	0.27		n/a	United Arab Emirates	n/a	n/a	n/a	
66	Colombia	19.68	23.18	0.26		n/a	Uzbekistan	n/a	n/a	n/a	
67	Sri Lanka (2008)	18.32	21.57	0.25		n/a	Venezuela, Bolivarian Rep.	n/a	n/a	n/a	
68	Uruguay (2008)	18.15	21.38	0.24		n/a	Yemen	n/a	n/a	n/a	
69	Botswana (2005)	15.57	18.33	0.23		n/a	Zimbabwe	n/a	n/a	n/a	
70	Viet Nam (2002)	14.55	17.13	0.22							
71	Serbia	14.32	16.86	0.20	○						
72	Cambodia (2002)	12.08	14.23	0.19							

SOURCE: UNESCO Institute for Statistics, *UIS online database* (2002–10)

5.1.4 GERD financed by business enterprise

GERD: Financed by business enterprise (% of total)^a | 2009

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Malaysia (2006)	84.49	100.00	1.00	●	73	Ecuador (2008)	8.53	10.10	0.19	
2	Israel (2007)	79.48	94.07	0.99	●	74	Serbia	8.33	9.86	0.18	○
3	Japan (2008)	78.17	92.52	0.98	●	75	Uganda	8.23	9.74	0.17	
4	Luxembourg (2007)	76.01	89.97	0.97		76	Macedonia, FYR (2002)	7.79	9.22	0.16	○
5	Korea, Rep. (2008)	72.88	86.26	0.96		77	Senegal (2008)	4.04	4.78	0.15	
6	China (2008)	71.74	84.91	0.94		78	Mongolia	3.64	4.31	0.13	○
7	Switzerland (2008)	68.19	80.71	0.93		79	Lesotho	3.38	4.00	0.12	
8	Finland	68.10	80.60	0.92		80	Costa Rica (2008)	3.33	3.94	0.11	○
9	Germany (2008)	67.27	79.62	0.91		81	Albania (2008)	3.26	3.86	0.10	
10	United States of America (2008)	67.27	79.61	0.90		82	Zambia (2008)	3.23	3.82	0.09	
11	Singapore (2008)	63.48	75.13	0.89		83	Kuwait	2.33	2.76	0.08	○
12	Philippines (2007)	61.96	73.33	0.88	●	84	Panama	2.23	2.64	0.07	○
13	Australia (2008)	61.43	72.70	0.87		85	Brunei Darussalam (2004)	1.58	1.87	0.06	○
14	Belgium (2007)	61.38	72.65	0.85		86	Tajikistan	1.08	1.28	0.04	○
15	Denmark	60.18	71.22	0.84		87	El Salvador (2008)	0.68	0.81	0.03	○
16	Sweden	58.93	69.75	0.83		88	Paraguay (2008)	0.25	0.30	0.02	○
17	Slovenia	57.98	68.63	0.82		89	Nigeria (2007)	0.16	0.19	0.01	○
18	Malta	51.41	60.84	0.81		90	Moldova, Rep.	0.00	0.00	0.00	○
19	Ghana (2007)	50.86	60.19	0.80	●	n/a	Algeria	n/a	n/a	n/a	
20	Ireland	50.84	60.17	0.79		n/a	Angola	n/a	n/a	n/a	
21	France (2008)	50.74	60.06	0.78		n/a	Armenia	n/a	n/a	n/a	
22	Iceland (2008)	50.35	59.59	0.76		n/a	Bahrain	n/a	n/a	n/a	
23	Netherlands (2007)	48.79	57.75	0.75		n/a	Bangladesh	n/a	n/a	n/a	
24	Thailand (2005)	48.65	57.58	0.74		n/a	Belize	n/a	n/a	n/a	
25	Portugal (2008)	48.08	56.90	0.73		n/a	Benin	n/a	n/a	n/a	
26	Canada	47.47	56.19	0.72		n/a	Bosnia and Herzegovina	n/a	n/a	n/a	
27	Hungary	46.43	54.95	0.71		n/a	Botswana	n/a	n/a	n/a	
28	Czech Republic	45.83	54.24	0.70		n/a	Burundi	n/a	n/a	n/a	
29	Hong Kong (China)	45.83	54.24	0.69		n/a	Cambodia	n/a	n/a	n/a	
30	United Kingdom (2010)	45.42	53.76	0.67		n/a	Cameroon	n/a	n/a	n/a	
31	Norway (2007)	45.25	53.56	0.66		n/a	Côte d'Ivoire	n/a	n/a	n/a	
32	Italy (2008)	45.17	53.47	0.65		n/a	Dominican Republic	n/a	n/a	n/a	
33	Mexico (2007)	45.13	53.41	0.64		n/a	Egypt	n/a	n/a	n/a	
34	Spain (2008)	44.95	53.20	0.63		n/a	Ethiopia	n/a	n/a	n/a	
35	Brazil (2008)	43.88	51.94	0.62		n/a	Fiji	n/a	n/a	n/a	
36	Chile (2008)	43.73	51.76	0.61		n/a	Gambia	n/a	n/a	n/a	
37	Austria (2010)	43.32	51.27	0.60		n/a	Georgia	n/a	n/a	n/a	
38	South Africa (2007)	42.66	50.50	0.58		n/a	Guatemala	n/a	n/a	n/a	
39	Turkey	40.97	48.49	0.57		n/a	Guyana	n/a	n/a	n/a	
40	New Zealand (2007)	40.14	47.51	0.56		n/a	Honduras	n/a	n/a	n/a	
41	Croatia	39.79	47.09	0.55		n/a	Jamaica	n/a	n/a	n/a	
42	Estonia	38.42	45.47	0.54		n/a	Jordan	n/a	n/a	n/a	
43	Latvia	36.89	43.67	0.53		n/a	Lebanon	n/a	n/a	n/a	
44	Kyrgyzstan (2005)	36.38	43.06	0.52		n/a	Madagascar	n/a	n/a	n/a	
45	Lao PDR (2002)	36.01	42.62	0.51	●	n/a	Malawi	n/a	n/a	n/a	
46	Slovakia	35.11	41.55	0.49		n/a	Mauritius	n/a	n/a	n/a	
47	Romania	34.75	41.13	0.48		n/a	Montenegro	n/a	n/a	n/a	
48	India (2007)	33.92	40.15	0.47		n/a	Mozambique	n/a	n/a	n/a	
49	Greece (2005)	31.06	36.77	0.46		n/a	Namibia	n/a	n/a	n/a	
50	Iran, Islamic Rep. (2008)	30.92	36.59	0.45		n/a	Nepal	n/a	n/a	n/a	
51	Bulgaria (2008)	30.62	36.25	0.44		n/a	Nicaragua	n/a	n/a	n/a	
52	Gabon	29.26	34.64	0.43		n/a	Niger	n/a	n/a	n/a	
53	Belarus	28.81	34.10	0.42		n/a	Oman	n/a	n/a	n/a	
54	Poland	27.10	32.07	0.40		n/a	Pakistan	n/a	n/a	n/a	
55	Russian Federation	26.59	31.47	0.39		n/a	Peru	n/a	n/a	n/a	
56	Argentina (2008)	26.52	31.39	0.38		n/a	Qatar	n/a	n/a	n/a	
57	Ukraine	25.90	30.66	0.37		n/a	Rwanda	n/a	n/a	n/a	
58	Azerbaijan	24.76	29.31	0.36		n/a	Saudi Arabia	n/a	n/a	n/a	
59	Uruguay (2008)	24.65	29.17	0.35		n/a	Sudan	n/a	n/a	n/a	
60	Morocco (2006)	22.70	26.87	0.34		n/a	Swaziland	n/a	n/a	n/a	
61	Lithuania	21.05	24.91	0.33		n/a	Syrian Arab Rep.	n/a	n/a	n/a	
62	Tunisia	20.03	23.71	0.31		n/a	Tanzania, United Rep.	n/a	n/a	n/a	
63	Sri Lanka (2008)	19.89	23.54	0.30		n/a	Togo	n/a	n/a	n/a	
64	Viet Nam (2002)	18.06	21.38	0.29		n/a	Trinidad and Tobago	n/a	n/a	n/a	
65	Cyprus (2008)	17.82	21.09	0.28	○	n/a	United Arab Emirates	n/a	n/a	n/a	
66	Kenya (2007)	16.83	19.92	0.27		n/a	Uzbekistan	n/a	n/a	n/a	
67	Colombia	16.12	19.08	0.26		n/a	Venezuela, Bolivarian Rep.	n/a	n/a	n/a	
68	Bolivia, Plurinational St. (2002)	16.00	18.94	0.25		n/a	Yemen	n/a	n/a	n/a	
69	Indonesia (2001)	14.69	17.39	0.24		n/a	Zimbabwe	n/a	n/a	n/a	
70	Kazakhstan	13.55	16.03	0.22							
71	Burkina Faso	11.93	14.12	0.21							
72	Mali (2007)	10.10	11.95	0.20							

SOURCE: UNESCO Institute for Statistics, *UIS online database* (2001–10)

Weighted mean score at the Graduate Management Admission Test (GMAT) by residency and by citizenship (weighted by the total numbers of test takers)^a | 2011

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Argentina	603.57	100.00	1.00	●	73	El Salvador	504.96	62.01	0.48	
2	New Zealand	600.87	98.96	0.99	●	74	Thailand	503.81	61.57	0.47	
3	Singapore	596.31	97.20	0.99		75	United Arab Emirates	502.10	60.91	0.47	
4	Uruguay	595.16	96.76	0.98	●	76	Venezuela, Bolivarian Rep.	499.85	60.04	0.46	
5	China	595.01	96.70	0.97	●	77	Bangladesh	499.61	59.95	0.45	
6	Australia	590.50	94.96	0.96	●	78	Sri Lanka	495.12	58.22	0.45	
7	United Kingdom	586.10	93.27	0.96		79	Albania	492.57	57.24	0.44	
8	Bulgaria	585.55	93.05	0.95	●	80	Zimbabwe	489.90	56.21	0.43	
9	Hungary	583.80	92.38	0.94	●	81	Qatar	485.23	54.41	0.42	
10	Korea, Rep.	583.10	92.11	0.94		82	Bosnia and Herzegovina	484.90	54.28	0.42	
11	Latvia	581.36	91.44	0.93	●	83	Lebanon	484.73	54.22	0.41	
12	India	580.58	91.14	0.92	●	84	Israel	484.51	54.13	0.40	○
13	Spain	578.77	90.45	0.91	●	85	Croatia	484.30	54.05	0.40	
14	Czech Republic	578.13	90.20	0.91	●	86	Lesotho	483.00	53.55	0.39	
15	Malta	578.00	90.15	0.90		87	Trinidad and Tobago	481.04	52.80	0.38	
16	Romania	576.16	89.44	0.89	●	88	Kazakhstan	476.76	51.14	0.37	
17	Slovakia	575.86	89.32	0.88	●	89	Bolivia, Plurinational St.	475.92	50.82	0.37	
18	Belgium	574.95	88.97	0.88		90	Honduras	473.61	49.93	0.36	
19	Hong Kong (China)	574.00	88.61	0.87		91	Macedonia, FYR	473.59	49.92	0.35	
20	Austria	573.00	88.22	0.86		92	South Africa	472.02	49.32	0.35	
21	Slovenia	567.00	85.91	0.86		93	Mongolia	471.94	49.29	0.34	
22	Mauritius	566.79	85.83	0.85		94	Armenia	471.81	49.24	0.33	
23	Germany	565.49	85.33	0.84		95	Nepal	471.73	49.21	0.32	
24	Brazil	563.85	84.70	0.83	●	96	Egypt	470.54	48.75	0.32	
25	France	562.50	84.18	0.83		97	Ecuador	470.31	48.66	0.31	
26	Russian Federation	562.21	84.06	0.82		98	Nicaragua	467.52	47.58	0.30	
27	Italy	561.11	83.64	0.81		99	Senegal	467.15	47.44	0.29	
28	Switzerland	560.99	83.59	0.81		100	Panama	465.25	46.71	0.29	
29	Estonia	560.88	83.55	0.80		101	Guyana	465.23	46.70	0.28	
30	Lithuania	560.00	83.21	0.79		102	Benin	464.00	46.23	0.27	
31	Luxembourg	559.30	82.94	0.78		103	Syrian Arab Rep.	457.28	43.64	0.27	
32	Belarus	558.83	82.76	0.78		104	Côte d'Ivoire	457.25	43.63	0.26	
33	Canada	557.62	82.30	0.77		105	Jamaica	454.91	42.73	0.25	
34	Chile	556.61	81.91	0.76		106	Botswana	452.55	41.82	0.24	
35	Ireland	554.60	81.13	0.76		107	Fiji	448.00	40.07	0.24	
36	Peru	550.48	79.54	0.75	●	108	Cameroon	445.12	38.95	0.23	
37	Poland	549.61	79.21	0.74		109	Ghana	437.88	36.17	0.22	
38	Denmark	549.46	79.15	0.73		110	Burkina Faso	435.87	35.39	0.22	
39	Turkey	547.45	78.38	0.73	●	111	Jordan	435.02	35.06	0.21	
40	Japan	546.34	77.95	0.72		112	Nigeria	434.82	34.99	0.20	
41	Malaysia	545.93	77.79	0.71		113	Ethiopia	431.78	33.82	0.19	
42	Iceland	545.91	77.78	0.71		114	Dominican Republic	431.09	33.55	0.19	
43	Tunisia	544.60	77.28	0.70		115	Kenya	427.32	32.10	0.18	
44	Azerbaijan	543.54	76.87	0.69	●	116	Togo	424.00	30.82	0.17	
45	Ukraine	543.52	76.87	0.68		117	Sudan	423.50	30.63	0.17	
46	Moldova, Rep.	542.94	76.64	0.68		118	Belize	420.27	29.38	0.16	
47	Netherlands	542.13	76.33	0.67		119	Malawi	420.00	29.28	0.15	
48	Portugal	536.61	74.20	0.66		120	Swaziland	416.87	28.07	0.14	
49	Madagascar	533.00	72.81	0.65	●	121	Namibia	416.24	27.83	0.14	○
50	Kyrgyzstan	532.35	72.56	0.65		122	Bahrain	415.80	27.66	0.13	○
51	Cyprus	532.21	72.51	0.64		123	Burundi	410.57	25.64	0.12	
52	Philippines	531.61	72.28	0.63		124	Zambia	409.91	25.39	0.12	
53	United States of America	529.36	71.41	0.63		125	Oman	406.59	24.11	0.11	○
54	Greece	527.53	70.70	0.62		126	Mali	405.00	23.50	0.10	
55	Brunei Darussalam	526.00	70.11	0.61		127	Cambodia	404.09	23.15	0.09	
56	Georgia	525.72	70.01	0.60		128	Lao PDR	404.00	23.11	0.09	
57	Costa Rica	524.00	69.34	0.60		129	Angola	403.93	23.09	0.08	
58	Viet Nam	521.32	68.31	0.59		130	Mozambique	398.20	20.88	0.07	
59	Paraguay	519.00	67.42	0.58		131	Gambia	397.00	20.42	0.06	
60	Iran, Islamic Rep.	518.70	67.30	0.58		132	Gabon	395.00	19.65	0.06	○
61	Morocco	517.27	66.75	0.57		133	Tanzania, United Rep.	392.60	18.72	0.05	
62	Serbia	515.82	66.19	0.56		134	Kuwait	391.44	18.28	0.04	○
63	Algeria	514.41	65.65	0.55		135	Tajikistan	383.90	15.37	0.04	○
64	Uzbekistan	513.86	65.44	0.55		136	Rwanda	382.65	14.89	0.03	○
65	Indonesia	513.47	65.29	0.54		137	Uganda	381.17	14.32	0.02	○
66	Sweden	513.01	65.11	0.53	○	138	Yemen	367.00	8.86	0.01	○
67	Norway	512.39	64.87	0.53	○	139	Saudi Arabia	349.46	2.10	0.01	○
68	Colombia	508.98	63.56	0.52		140	Niger	344.00	0.00	0.00	○
69	Guatemala	507.98	63.17	0.51		n/a	Montenegro	n/a	n/a	n/a	
70	Finland	507.78	63.09	0.50	○						
71	Pakistan	507.64	63.04	0.50	●						
72	Mexico	505.09	62.06	0.49							

SOURCE: Graduate Management Admission Council (GMAC)

5.1.6

GMAT test takers

Number of test takers of the Graduate Management Admission Test (GMAT) by citizenship (scaled by million population 20–34 years old)^a | 2011

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	United States of America	1,832.03	100.00	1.00	●	73	South Africa	57.55	53.87	0.48	
2	Israel	1,498.23	97.32	0.99	●	74	Azerbaijan	57.55	53.87	0.47	
3	Hong Kong (China)	1,458.35	96.96	0.99		75	Russian Federation	55.24	53.32	0.47	
4	Lebanon	1,178.62	94.13	0.98	●	76	United Arab Emirates	54.12	53.05	0.46	
5	Singapore	1,150.07	93.80	0.97		77	Oman	52.55	52.65	0.45	
6	Canada	1,053.23	92.63	0.96	●	78	Belarus	50.38	52.09	0.45	
7	Greece	700.66	87.20	0.96	●	79	Viet Nam	50.05	52.00	0.44	
8	Iceland	584.26	84.78	0.95		80	Ecuador	49.69	51.91	0.43	
9	Kuwait	547.72	83.92	0.94	●	81	Bosnia and Herzegovina	48.10	51.47	0.42	
10	Korea, Rep.	505.56	82.86	0.94		82	Egypt	45.36	50.69	0.42	
11	Trinidad and Tobago	431.68	80.75	0.93	●	83	Gabon	44.84	50.53	0.41	
12	Switzerland	400.45	79.75	0.92		84	Brunei Darussalam	44.79	50.51	0.40	
13	France	356.16	78.19	0.91	●	85	Honduras	44.78	50.51	0.40	
14	Bulgaria	334.13	77.34	0.91	●	86	Czech Republic	44.35	50.38	0.39	○
15	Jamaica	319.70	76.75	0.90	●	87	Cameroon	43.81	50.22	0.38	
16	Netherlands	310.94	76.38	0.89		88	Qatar	43.36	50.08	0.37	
17	Ireland	307.07	76.22	0.88		89	Dominican Republic	42.50	49.81	0.37	
18	Cyprus	300.49	75.93	0.88		90	Ukraine	41.55	49.51	0.36	
19	Norway	292.03	75.55	0.87		91	Kyrgyzstan	41.45	49.48	0.35	
20	Luxembourg	290.10	75.46	0.86		92	Zimbabwe	41.19	49.39	0.35	
21	Portugal	287.24	75.33	0.86	●	93	Botswana	40.70	49.23	0.34	
22	Sweden	273.87	74.69	0.85		94	Morocco	40.57	49.19	0.33	
23	Armenia	265.76	74.29	0.84	●	95	Nigeria	37.54	48.15	0.32	
24	Germany	260.45	74.02	0.83		96	Poland	37.29	48.06	0.32	○
25	Saudi Arabia	260.43	74.02	0.83		97	Fiji	36.47	47.76	0.31	
26	Finland	225.05	72.07	0.82		98	Brazil	33.54	46.63	0.30	
27	New Zealand	202.59	70.67	0.81		99	El Salvador	32.84	46.35	0.29	
28	Belgium	201.99	70.63	0.81		100	Guatemala	32.65	46.27	0.29	
29	Belize	200.77	70.55	0.80	●	101	Sri Lanka	32.20	46.09	0.28	
30	Guyana	192.85	70.02	0.79		102	Argentina	31.72	45.88	0.27	
31	Austria	177.66	68.92	0.78		103	Nicaragua	30.98	45.57	0.27	
32	Mauritius	175.25	68.74	0.78		104	Gambia	27.93	44.17	0.26	
33	Australia	171.83	68.48	0.77		105	Côte d'Ivoire	27.07	43.75	0.25	
34	Italy	170.89	68.41	0.76		106	Iran, Islamic Rep.	26.45	43.44	0.24	
35	Jordan	170.40	68.37	0.76		107	Namibia	25.55	42.98	0.24	
36	Estonia	162.03	67.69	0.75		108	Bolivia, Plurinational St.	25.17	42.77	0.23	
37	Georgia	160.43	67.56	0.74		109	Tunisia	24.76	42.55	0.22	○
38	Albania	156.65	67.24	0.73	●	110	Pakistan	22.78	41.43	0.22	
39	Latvia	153.02	66.93	0.73		111	Swaziland	21.85	40.87	0.21	
40	Lithuania	143.86	66.11	0.72		112	Senegal	21.19	40.45	0.20	
41	Mongolia	139.92	65.74	0.71		113	Syrian Arab Rep.	18.80	38.84	0.19	
42	United Kingdom	131.96	64.96	0.71		114	Benin	18.62	38.71	0.19	
43	China	128.10	64.56	0.70		115	Togo	17.73	38.04	0.18	
44	Bahrain	122.71	63.99	0.69		116	Uzbekistan	17.21	37.64	0.17	
45	Thailand	116.09	63.25	0.68		117	Rwanda	16.50	37.07	0.17	
46	Croatia	113.75	62.98	0.68		118	Zambia	16.25	36.86	0.16	
47	Denmark	112.28	62.80	0.67		119	Philippines	15.89	36.55	0.15	
48	Japan	111.94	62.76	0.66		120	Indonesia	13.36	34.20	0.14	
49	Spain	110.84	62.63	0.65		121	Uganda	12.78	33.59	0.14	
50	Chile	105.78	62.01	0.65		122	Burundi	12.12	32.87	0.13	
51	Moldova, Rep.	101.95	61.51	0.64		123	Burkina Faso	10.81	31.30	0.12	
52	Turkey	94.40	60.49	0.63		124	Bangladesh	10.24	30.57	0.12	
53	Romania	92.05	60.15	0.63		125	Lesotho	9.72	29.84	0.11	
54	Panama	84.06	58.94	0.62		126	Tajikistan	9.18	29.06	0.10	
55	Serbia	80.99	58.44	0.61		127	Tanzania, United Rep.	7.32	25.92	0.09	
56	India	80.95	58.43	0.60		128	Mali	7.05	25.41	0.09	
57	Venezuela, Bolivarian Rep.	77.79	57.90	0.60	●	129	Malawi	7.02	25.34	0.08	
58	Uruguay	77.58	57.87	0.59		130	Cambodia	6.56	24.41	0.07	
59	Kazakhstan	73.17	57.08	0.58		131	Ethiopia	5.40	21.67	0.06	
60	Hungary	72.61	56.98	0.58		132	Angola	4.46	18.95	0.06	
61	Peru	72.29	56.92	0.57		133	Algeria	4.30	18.43	0.05	○
62	Costa Rica	72.09	56.88	0.56		134	Paraguay	4.22	18.18	0.04	○
63	Slovakia	69.38	56.37	0.55		135	Yemen	4.04	17.52	0.04	
64	Colombia	69.25	56.35	0.55		136	Sudan	3.35	14.84	0.03	
65	Mexico	68.57	56.22	0.54		137	Lao PDR	3.09	13.61	0.02	○
66	Nepal	67.96	56.09	0.53	●	138	Niger	2.60	11.08	0.01	
67	Macedonia, FYR	67.69	56.04	0.53		139	Madagascar	2.58	10.94	0.01	○
68	Slovenia	65.31	55.56	0.52		140	Mozambique	1.31	0.00	0.00	○
69	Malaysia	65.11	55.52	0.51		n/a	Montenegro	n/a	n/a	n/a	
70	Malta	63.83	55.26	0.50							
71	Kenya	61.77	54.82	0.50							
72	Ghana	58.57	54.11	0.49							

SOURCE: Graduate Management Admission Council (GMAC)

5.2.1

University/industry research collaboration

Average answer to the survey question: To what extent do business and universities collaborate on research and development (R&D) in your country? 1 = do not collaborate at all; 7 = collaborate extensively[†] | 2011

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Switzerland	5.78	79.61	1.00	●	73	Jamaica	3.48	41.41	0.45	
2	United Kingdom	5.75	79.21	0.99	●	74	Croatia	3.48	41.38	0.45	
3	United States of America	5.71	78.51	0.98	●	75	Namibia	3.48	41.35	0.44	
4	Finland	5.58	76.27	0.98		76	Italy	3.48	41.30	0.43	
5	Sweden	5.52	75.30	0.97		77	Venezuela, Bolivarian Rep.	3.47	41.09	0.42	
6	Singapore	5.47	74.48	0.96		78	Serbia	3.43	40.54	0.42	
7	Israel	5.40	73.42	0.95		79	Viet Nam	3.40	40.05	0.41	
8	Netherlands	5.32	72.08	0.95		80	Philippines	3.39	39.86	0.40	
9	Belgium	5.32	71.92	0.94	●	81	Bosnia and Herzegovina	3.39	39.78	0.39	
10	Qatar	5.27	71.17	0.93		82	Honduras	3.36	39.39	0.39	
11	Canada	5.20	70.05	0.92		83	Cameroon	3.34	39.06	0.38	
12	Germany	5.16	69.29	0.92		84	Bahrain	3.33	38.91	0.37	
13	Australia	5.15	69.21	0.91		85	Cambodia	3.32	38.73	0.36	
14	Denmark	5.15	69.19	0.90		86	Benin	3.31	38.45	0.36	
15	Japan	5.06	67.61	0.89		87	Dominican Republic	3.28	38.05	0.35	
16	Iceland	5.03	67.21	0.89		88	Mali	3.28	38.03	0.34	
17	Luxembourg	5.02	67.08	0.88		89	Macedonia, FYR	3.28	38.00	0.33	
18	Austria	4.99	66.55	0.87		90	Iran, Islamic Rep.	3.25	37.50	0.33	
19	Ireland	4.96	65.94	0.86		91	Ecuador	3.24	37.37	0.32	
20	Malaysia	4.91	65.12	0.86		92	Ghana	3.23	37.21	0.31	
21	Norway	4.79	63.09	0.85		93	Burkina Faso	3.22	36.94	0.30	
22	Hong Kong (China)	4.74	62.27	0.84		94	Mongolia	3.21	36.82	0.30	
23	New Zealand	4.73	62.18	0.83		95	Mauritius	3.21	36.81	0.29	
24	Korea, Rep.	4.66	60.99	0.83		96	Tajikistan	3.21	36.80	0.28	
25	South Africa	4.62	60.30	0.82	●	97	Madagascar	3.20	36.68	0.27	
26	Portugal	4.60	60.00	0.81		98	Zimbabwe	3.19	36.55	0.27	
27	Saudi Arabia	4.56	59.27	0.80		99	Morocco	3.19	36.49	0.26	
28	China	4.53	58.82	0.80		100	Peru	3.19	36.47	0.25	
29	Czech Republic	4.47	57.78	0.79		101	Slovakia	3.18	36.29	0.24	○
30	Lithuania	4.44	57.31	0.78		102	Kuwait	3.16	36.03	0.23	
31	Hungary	4.35	55.86	0.77		103	Azerbaijan	3.15	35.91	0.23	
32	Estonia	4.34	55.61	0.77		104	Bolivia, Plurinational St.	3.14	35.74	0.22	
33	Costa Rica	4.31	55.24	0.76		105	Nigeria	3.14	35.68	0.21	
34	France	4.24	53.98	0.75		106	Ethiopia	3.13	35.46	0.20	
35	United Arab Emirates	4.21	53.43	0.74		107	Lebanon	3.12	35.27	0.20	
36	Brazil	4.20	53.41	0.73		108	El Salvador	3.11	35.14	0.19	
37	Thailand	4.15	52.57	0.73		109	Guyana	3.07	34.50	0.18	
38	Indonesia	4.13	52.15	0.72	●	110	Jordan	3.07	34.48	0.17	○
39	Spain	4.11	51.86	0.71		111	Romania	3.00	33.27	0.17	○
40	Colombia	4.09	51.58	0.70		112	Bulgaria	2.96	32.74	0.16	○
41	Chile	4.09	51.47	0.70		113	Kazakhstan	2.94	32.27	0.15	
42	Mexico	4.04	50.67	0.69		114	Greece	2.87	31.17	0.14	
43	Slovenia	3.95	49.19	0.68		115	Nicaragua	2.85	30.77	0.14	
44	Cyprus	3.92	48.71	0.67		116	Lesotho	2.80	29.99	0.13	
45	Argentina	3.88	48.03	0.67		117	Paraguay	2.78	29.64	0.12	
46	Kenya	3.87	47.86	0.66		118	Moldova, Rep.	2.70	28.34	0.11	○
47	India	3.82	46.97	0.65		119	Armenia	2.69	28.14	0.11	○
48	Brunei Darussalam	3.80	46.70	0.64		120	Georgia	2.64	27.30	0.10	○
49	Mozambique	3.79	46.50	0.64		121	Bangladesh	2.63	27.20	0.09	
50	Uruguay	3.79	46.47	0.63		122	Egypt	2.60	26.60	0.08	○
51	Malta	3.79	46.45	0.62		123	Nepal	2.58	26.35	0.08	
52	Guatemala	3.78	46.40	0.61	●	124	Swaziland	2.49	24.84	0.07	○
53	Oman	3.78	46.29	0.61		125	Belize	2.45	24.23	0.06	○
54	Latvia	3.77	46.18	0.60		126	Syrian Arab Rep.	2.40	23.36	0.05	○
55	Tunisia	3.75	45.79	0.59		127	Côte d'Ivoire	2.37	22.84	0.05	○
56	Zambia	3.75	45.78	0.58	●	128	Algeria	2.33	22.19	0.04	○
57	Rwanda	3.71	45.22	0.58		129	Burundi	2.31	21.85	0.03	
58	Senegal	3.71	45.15	0.57		130	Angola	2.07	17.82	0.02	○
59	Tanzania, United Rep.	3.71	45.14	0.56	●	131	Albania	2.06	17.68	0.02	○
60	Montenegro	3.68	44.71	0.55		132	Kyrgyzstan	1.97	16.15	0.01	○
61	Malawi	3.64	43.94	0.55		133	Yemen	1.51	8.44	0.00	○
62	Poland	3.64	43.94	0.54		n/a	Belarus	n/a	n/a	n/a	
63	Panama	3.64	43.93	0.53		n/a	Fiji	n/a	n/a	n/a	
64	Botswana	3.59	43.24	0.52		n/a	Gabon	n/a	n/a	n/a	
65	Trinidad and Tobago	3.57	42.82	0.52		n/a	Lao PDR	n/a	n/a	n/a	
66	Pakistan	3.56	42.71	0.51	●	n/a	Niger	n/a	n/a	n/a	
67	Ukraine	3.56	42.64	0.50		n/a	Sudan	n/a	n/a	n/a	
68	Gambia	3.54	42.38	0.49	●	n/a	Togo	n/a	n/a	n/a	
69	Uganda	3.50	41.69	0.48		n/a	Uzbekistan	n/a	n/a	n/a	
70	Sri Lanka	3.49	41.55	0.48							
71	Turkey	3.49	41.48	0.47							
72	Russian Federation	3.49	41.44	0.46							

SOURCE: World Economic Forum, Executive Opinion Survey 2010–2011

5.2.2 State of cluster development

Mean of the average responses to three survey questions on the role of clusters in the economy. 'Clusters' are defined as geographic concentrations of firms, suppliers, producers of related products and services, and specialized institutions in a particular field (e.g., financial services in New York, leather and footwear in Italy, consumer electronics in Japan). The questions are: (1) In your country's economy, how prevalent are well-developed and deep clusters? 1 = nonexistent; 7 = widespread in many fields. (2) In your country, how extensive is collaboration among firms, suppliers, partners, and associated institutions within clusters? 1 = collaboration is nonexistent; 7 = collaboration is extensive. (3) In your country, what is the state of formal policies supporting cluster development? 1 = nonexistent; 7 = extensive and covers many clusters and regions.¹ | 2011

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Finland.....	5.34	72.39	1.00	●	73	Turkey.....	3.40	40.06	0.45	
2	Singapore.....	5.14	69.08	0.99		74	Tanzania, United Rep.	3.39	39.88	0.45	
3	Japan.....	5.01	66.79	0.98	●	75	Bosnia and Herzegovina	3.38	39.63	0.44	
4	Malaysia.....	4.93	65.44	0.98	●	76	Croatia.....	3.36	39.38	0.43	
5	Sweden.....	4.87	64.54	0.97		77	Egypt.....	3.35	39.24	0.42	
6	China.....	4.86	64.37	0.96	●	78	Slovakia.....	3.35	39.23	0.42	
7	Luxembourg.....	4.84	63.93	0.95		79	Hungary.....	3.34	39.06	0.41	
8	Qatar.....	4.83	63.86	0.95		80	Kuwait.....	3.34	38.94	0.40	
9	United States of America.....	4.79	63.21	0.94		81	Argentina.....	3.30	38.31	0.39	
10	Italy.....	4.78	63.03	0.93	●	82	Trinidad and Tobago.....	3.30	38.28	0.39	
11	Saudi Arabia.....	4.76	62.68	0.92	●	83	Namibia.....	3.27	37.81	0.38	
12	United Kingdom.....	4.75	62.42	0.92		84	Guyana.....	3.26	37.60	0.37	
13	Germany.....	4.72	62.03	0.91		85	Botswana.....	3.23	37.21	0.36	
14	Switzerland.....	4.72	61.94	0.90		86	Jamaica.....	3.23	37.14	0.36	
15	Hong Kong (China).....	4.69	61.53	0.89		87	El Salvador.....	3.22	37.05	0.35	
16	Denmark.....	4.69	61.47	0.89		88	Bolivia, Plurinational St.	3.20	36.68	0.34	
17	Netherlands.....	4.67	61.21	0.88		89	Latvia.....	3.20	36.67	0.33	○
18	Viet Nam.....	4.57	59.42	0.87	●	90	Bulgaria.....	3.20	36.64	0.33	
19	United Arab Emirates.....	4.53	58.89	0.86		91	Nepal.....	3.19	36.48	0.32	
20	Canada.....	4.53	58.78	0.86		92	Iran, Islamic Rep.....	3.15	35.85	0.31	
21	Bahrain.....	4.52	58.74	0.85		93	Russian Federation.....	3.15	35.83	0.30	
22	Norway.....	4.52	58.63	0.84		94	Ecuador.....	3.13	35.46	0.30	
23	Austria.....	4.50	58.32	0.83		95	Ghana.....	3.11	35.15	0.29	
24	Indonesia.....	4.33	55.43	0.83	●	96	Macedonia, FYR.....	3.09	34.88	0.28	
25	France.....	4.29	54.91	0.82		97	Georgia.....	3.08	34.72	0.27	
26	Korea, Rep.....	4.29	54.76	0.81		98	Mozambique.....	3.07	34.46	0.27	
27	Thailand.....	4.26	54.34	0.80		99	Lesotho.....	3.06	34.31	0.26	
28	Belgium.....	4.25	54.25	0.80		100	Syrian Arab Rep.....	3.05	34.10	0.25	
29	Ireland.....	4.16	52.69	0.79		101	Senegal.....	3.04	33.95	0.24	
30	Brazil.....	4.12	52.06	0.78	●	102	Armenia.....	3.03	33.86	0.23	
31	India.....	4.11	51.86	0.77	●	103	Uganda.....	3.02	33.63	0.23	
32	Oman.....	4.11	51.83	0.77	●	104	Montenegro.....	3.00	33.26	0.22	○
33	Chile.....	4.10	51.65	0.76		105	Nicaragua.....	2.97	32.82	0.21	
34	Cyprus.....	4.01	50.12	0.75		106	Ethiopia.....	2.96	32.66	0.20	
35	Sri Lanka.....	3.99	49.88	0.74	●	107	Poland.....	2.96	32.60	0.20	○
36	Australia.....	3.96	49.36	0.73		108	Lebanon.....	2.94	32.39	0.19	
37	Cambodia.....	3.93	48.86	0.73	●	109	Mali.....	2.94	32.35	0.18	
38	Colombia.....	3.92	48.74	0.72		110	Greece.....	2.90	31.67	0.17	
39	Mauritius.....	3.91	48.45	0.71		111	Paraguay.....	2.88	31.35	0.17	
40	Spain.....	3.90	48.34	0.70		112	Lithuania.....	2.87	31.21	0.16	○
41	Nigeria.....	3.90	48.31	0.70	●	113	Romania.....	2.87	31.18	0.15	○
42	Mexico.....	3.89	48.12	0.69		114	Swaziland.....	2.78	29.70	0.14	
43	Panama.....	3.85	47.46	0.68		115	Ukraine.....	2.72	28.64	0.14	○
44	Morocco.....	3.83	47.09	0.67	●	116	Cameroon.....	2.70	28.30	0.13	
45	Czech Republic.....	3.82	47.06	0.67		117	Tajikistan.....	2.64	27.33	0.12	
46	Iceland.....	3.81	46.87	0.66		118	Zimbabwe.....	2.64	27.29	0.11	
47	Costa Rica.....	3.79	46.44	0.65		119	Benin.....	2.63	27.16	0.11	
48	South Africa.....	3.79	46.42	0.64		120	Serbia.....	2.62	27.08	0.10	○
49	Pakistan.....	3.77	46.19	0.64	●	121	Albania.....	2.61	26.91	0.09	
50	Rwanda.....	3.75	45.89	0.63	●	122	Mongolia.....	2.58	26.28	0.08	○
51	Kenya.....	3.74	45.62	0.62		123	Belize.....	2.56	26.07	0.08	○
52	Brunei Darussalam.....	3.73	45.57	0.61		124	Venezuela, Bolivarian Rep.	2.48	24.66	0.07	
53	Guatemala.....	3.71	45.18	0.61	●	125	Moldova, Rep.....	2.46	24.36	0.06	○
54	Philippines.....	3.69	44.76	0.60		126	Madagascar.....	2.45	24.22	0.05	
55	Dominican Republic.....	3.67	44.50	0.59	●	127	Angola.....	2.40	23.31	0.05	
56	Bangladesh.....	3.65	44.21	0.58	●	128	Yemen.....	2.32	21.97	0.04	
57	New Zealand.....	3.62	43.70	0.58		129	Kyrgyzstan.....	2.29	21.43	0.03	○
58	Slovenia.....	3.61	43.53	0.57		130	Burkina Faso.....	2.27	21.11	0.02	○
59	Zambia.....	3.61	43.43	0.56		131	Algeria.....	2.22	20.25	0.02	○
60	Uruguay.....	3.57	42.87	0.55		132	Côte d'Ivoire.....	2.21	20.20	0.01	○
61	Israel.....	3.56	42.65	0.55		133	Burundi.....	2.01	16.75	0.00	○
62	Portugal.....	3.53	42.23	0.54		n/a	Belarus.....	n/a	n/a	n/a	
63	Malta.....	3.52	42.04	0.53		n/a	Fiji.....	n/a	n/a	n/a	
64	Peru.....	3.51	41.91	0.52		n/a	Gabon.....	n/a	n/a	n/a	
65	Estonia.....	3.50	41.72	0.52	○	n/a	Lao PDR.....	n/a	n/a	n/a	
66	Gambia.....	3.50	41.65	0.51	●	n/a	Niger.....	n/a	n/a	n/a	
67	Kazakhstan.....	3.49	41.50	0.50		n/a	Sudan.....	n/a	n/a	n/a	
68	Malawi.....	3.49	41.46	0.49		n/a	Togo.....	n/a	n/a	n/a	
69	Honduras.....	3.48	41.33	0.48		n/a	Uzbekistan.....	n/a	n/a	n/a	
70	Tunisia.....	3.42	40.30	0.48							
71	Jordan.....	3.42	40.26	0.47							
72	Azerbaijan.....	3.41	40.25	0.46							

SOURCE: World Economic Forum, *Executive Opinion Survey 2010–2011*

5.2.3 GERD financed by abroad

GERD: Financed by abroad (% of total) | 2009

377

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Mozambique (2007)	64.32	100.00	0.97	●	73	Uruguay (2008)	2.28	4.50	0.21	
1	Burkina Faso	59.61	100.00	0.97	●	74	Thailand (2005)	1.84	3.60	0.20	○
1	Lao PDR (2002)	53.99	100.00	0.97	●	75	Mongolia	1.81	3.55	0.19	
1	Mali (2007)	49.04	100.00	0.97	●	76	Australia (2008)	1.69	3.31	0.18	○
5	Guatemala (2008)	48.44	98.78	0.96	●	77	Zambia (2008)	1.62	3.16	0.16	
6	Panama	46.64	95.09	0.95	●	78	Mexico (2007)	1.38	2.66	0.15	○
7	Tanzania, United Rep. (2007)	38.36	78.19	0.93	●	79	China (2008)	1.24	2.38	0.14	
8	Senegal (2008)	38.27	78.00	0.92	●	80	Kuwait	1.18	2.25	0.13	○
9	Cambodia (2002)	28.44	57.94	0.91	●	81	Turkey	1.13	2.15	0.12	○
10	Ethiopia (2007)	27.00	54.98	0.90	●	82	Nigeria (2007)	1.04	1.96	0.11	
11	Uganda	26.06	53.06	0.89	●	83	Kazakhstan (2008)	0.96	1.80	0.10	○
12	Ukraine	22.29	45.37	0.88	●	84	Pakistan	0.92	1.73	0.09	
13	Greece (2005)	18.99	38.62	0.87	●	85	Kyrgyzstan (2004)	0.74	1.37	0.08	
14	United Kingdom (2010)	17.75	36.09	0.86		86	Tajikistan (2006)	0.65	1.17	0.07	
15	Kenya (2007)	17.62	35.83	0.85	●	87	Argentina (2008)	0.60	1.07	0.05	○
16	Malta	17.22	35.03	0.84		88	Ecuador (2008)	0.50	0.87	0.04	○
17	Ireland	15.59	31.69	0.82		89	Japan (2008)	0.38	0.62	0.03	○
18	Latvia	15.36	31.21	0.81		90	Korea, Rep. (2008)	0.31	0.48	0.02	○
19	Austria (2010)	15.05	30.57	0.80		91	Malaysia (2006)	0.19	0.25	0.01	○
20	Tunisia	14.95	30.37	0.79	●	92	Azerbaijan	0.07	0.00	0.00	○
21	Cyprus (2008)	14.65	29.77	0.78		n/a	Algeria	n/a	n/a	n/a	
22	Bolivia, Plurinational St. (2002)	14.00	28.44	0.77	●	n/a	Angola	n/a	n/a	n/a	
23	Lithuania	13.12	26.65	0.76		n/a	Bahrain	n/a	n/a	n/a	
24	Belgium (2007)	13.00	26.41	0.75		n/a	Bangladesh	n/a	n/a	n/a	
25	Slovakia	12.78	25.94	0.74		n/a	Belize	n/a	n/a	n/a	
26	Paraguay (2008)	12.25	24.87	0.73	●	n/a	Benin	n/a	n/a	n/a	
27	Ghana (2007)	11.95	24.25	0.71	●	n/a	Bosnia and Herzegovina	n/a	n/a	n/a	
28	Estonia	11.37	23.06	0.70		n/a	Botswana	n/a	n/a	n/a	
29	Hungary	10.90	22.12	0.69		n/a	Brazil	n/a	n/a	n/a	
30	South Africa (2007)	10.67	21.64	0.68		n/a	Burundi	n/a	n/a	n/a	
31	Netherlands (2007)	10.65	21.59	0.67		n/a	Cameroon	n/a	n/a	n/a	
32	Sweden	10.49	21.28	0.66		n/a	Côte d'Ivoire	n/a	n/a	n/a	
33	Iceland (2008)	10.04	20.36	0.65		n/a	Dominican Republic	n/a	n/a	n/a	
34	Canada	9.32	18.89	0.64		n/a	Egypt	n/a	n/a	n/a	
35	Czech Republic	9.16	18.56	0.63		n/a	Fiji	n/a	n/a	n/a	
36	Denmark	8.71	17.63	0.62		n/a	Gambia	n/a	n/a	n/a	
37	Macedonia, FYR (2002)	8.55	17.32	0.60		n/a	Georgia	n/a	n/a	n/a	
38	Belarus	8.50	17.20	0.59		n/a	Guyana	n/a	n/a	n/a	
39	Madagascar (2007)	8.36	16.92	0.58		n/a	Honduras	n/a	n/a	n/a	
40	Romania	8.34	16.88	0.57		n/a	India	n/a	n/a	n/a	
41	Norway (2007)	8.31	16.82	0.56	○	n/a	Indonesia	n/a	n/a	n/a	
42	France (2008)	8.05	16.29	0.55		n/a	Iran, Islamic Rep.	n/a	n/a	n/a	
43	Italy (2008)	7.82	15.82	0.54		n/a	Jamaica	n/a	n/a	n/a	
44	Albania (2008)	7.37	14.89	0.53		n/a	Jordan	n/a	n/a	n/a	
45	Serbia	7.18	14.52	0.52		n/a	Lebanon	n/a	n/a	n/a	
46	Croatia	6.96	14.06	0.51		n/a	Lesotho	n/a	n/a	n/a	
47	Bulgaria (2008)	6.84	13.82	0.49		n/a	Malawi	n/a	n/a	n/a	
48	Costa Rica (2008)	6.62	13.37	0.48		n/a	Malawi	n/a	n/a	n/a	
49	Finland	6.61	13.34	0.47	○	n/a	Mauritius	n/a	n/a	n/a	
50	Brunei Darussalam (2003)	6.56	13.25	0.46		n/a	Montenegro	n/a	n/a	n/a	
51	Moldova, Rep.	6.49	13.10	0.45		n/a	Namibia	n/a	n/a	n/a	
52	Russian Federation	6.46	13.05	0.44		n/a	Nepal	n/a	n/a	n/a	
53	Viet Nam (2002)	6.33	12.78	0.43		n/a	Nicaragua	n/a	n/a	n/a	
54	Hong Kong (China)	6.09	12.29	0.42	○	n/a	Niger	n/a	n/a	n/a	
55	Slovenia	6.04	12.18	0.41		n/a	Oman	n/a	n/a	n/a	
56	Switzerland (2008)	5.95	12.00	0.40	○	n/a	Peru	n/a	n/a	n/a	
57	Spain (2008)	5.70	11.49	0.38	○	n/a	Qatar	n/a	n/a	n/a	
58	Luxembourg (2007)	5.66	11.41	0.37		n/a	Rwanda	n/a	n/a	n/a	
59	Poland	5.50	11.08	0.36		n/a	Saudi Arabia	n/a	n/a	n/a	
60	Singapore (2008)	5.30	10.67	0.35	○	n/a	Sudan	n/a	n/a	n/a	
61	New Zealand (2007)	4.81	9.68	0.34	○	n/a	Swaziland	n/a	n/a	n/a	
62	El Salvador (2008)	4.51	9.07	0.33		n/a	Syrian Arab Rep.	n/a	n/a	n/a	
63	Colombia	4.33	8.70	0.32		n/a	Togo	n/a	n/a	n/a	
64	Sri Lanka (2008)	4.27	8.57	0.31		n/a	Trinidad and Tobago	n/a	n/a	n/a	
65	Armenia	4.22	8.47	0.30		n/a	United Arab Emirates	n/a	n/a	n/a	
66	Philippines (2007)	4.12	8.27	0.29		n/a	United States of America	n/a	n/a	n/a	
67	Germany (2008)	4.01	8.04	0.27	○	n/a	Uzbekistan	n/a	n/a	n/a	
68	Chile (2008)	3.34	6.67	0.26	○	n/a	Venezuela, Bolivarian Rep.	n/a	n/a	n/a	
69	Gabon	3.09	6.16	0.25		n/a	Yemen	n/a	n/a	n/a	
70	Portugal (2008)	2.99	5.95	0.24	○	n/a	Zimbabwe	n/a	n/a	n/a	
71	Israel (2007)	2.77	5.51	0.23	○						
72	Morocco (2006)	2.61	5.19	0.22							

SOURCE: UNESCO Institute for Statistics, *UIS online database* (2002–10)

5.2.4 Joint venture / strategic alliance deals

Joint ventures / strategic alliances: Number of deals, fractional counting (per trillion PPP\$ GDP)^a | 2011

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Guyana	371.69	100.00	0.97	●	73	Italy	15.76	9.35	0.49	
1	Bahrain	339.46	100.00	0.97	●	74	Colombia	14.97	8.88	0.48	
1	Mongolia	224.33	100.00	0.97	●	75	Trinidad and Tobago	14.89	8.83	0.47	
1	Oman	190.99	100.00	0.97	●	76	Morocco	14.88	8.83	0.46	
1	Zimbabwe	168.58	100.00	0.97	●	77	Belarus	14.18	8.41	0.46	
6	Australia	154.49	91.65	0.96	●	78	Austria	14.01	8.31	0.45	
7	United Arab Emirates	147.82	87.69	0.96	●	79	Venezuela, Bolivarian Rep.	13.85	8.21	0.44	
8	Cyprus	146.57	86.95	0.95	●	80	Estonia	12.72	7.55	0.44	○
9	Canada	125.91	74.69	0.94		81	Panama	12.29	7.29	0.43	
10	Qatar	116.09	68.86	0.94		82	Hungary	12.23	7.26	0.42	
11	Iceland	112.77	66.89	0.93		83	Czech Republic	11.72	6.95	0.41	
12	Hong Kong (China)	104.15	61.78	0.92		84	Lao PDR	11.47	6.80	0.41	
13	Switzerland	84.68	50.23	0.91		85	Ukraine	10.88	6.45	0.40	
14	Singapore	84.18	49.93	0.91		86	Malawi	10.36	6.15	0.39	
15	Luxembourg	80.81	47.94	0.90		87	Mauritius	10.33	6.13	0.39	
16	New Zealand	79.36	47.08	0.89		88	Bulgaria	9.84	5.84	0.38	
17	Saudi Arabia	78.98	46.85	0.89	●	89	Madagascar	9.70	5.76	0.37	
18	Malaysia	78.41	46.51	0.88		90	Portugal	9.47	5.62	0.36	○
19	Sri Lanka	76.50	45.38	0.87	●	91	El Salvador	8.92	5.29	0.36	
20	Mozambique	75.29	44.66	0.86	●	92	Nigeria	8.76	5.20	0.35	
21	Finland	66.85	39.66	0.86		93	Bangladesh	7.67	4.55	0.34	
22	Sweden	63.69	37.78	0.85		94	Serbia	7.59	4.50	0.34	
23	Israel	59.95	35.56	0.84		95	Poland	7.56	4.48	0.33	
24	Tanzania, United Rep.	56.69	33.63	0.84	●	96	Mexico	6.83	4.05	0.32	
25	Denmark	54.24	32.18	0.83		97	Argentina	6.77	4.02	0.31	
26	Ireland	51.30	30.43	0.82		98	Botswana	6.63	3.93	0.31	
27	Norway	48.96	29.04	0.81		99	Lithuania	6.51	3.86	0.30	
28	Philippines	46.70	27.70	0.81	●	100	Dominican Republic	6.42	3.81	0.29	
29	United States of America	46.06	27.32	0.80		101	Ecuador	6.40	3.79	0.29	
30	Kyrgyzstan	45.55	27.02	0.79		102	Paraguay	5.52	3.27	0.28	
31	Viet Nam	43.07	25.55	0.79	●	103	Tunisia	5.33	3.16	0.27	
32	United Kingdom	42.67	25.31	0.78		104	Angola	4.68	2.78	0.26	
33	Chile	40.52	24.03	0.77		105	Nepal	4.41	2.62	0.26	
34	Japan	40.29	23.90	0.76		106	Uganda	4.35	2.58	0.25	
35	Netherlands	39.87	23.65	0.76		107	Romania	4.27	2.53	0.24	○
36	Bolivia, Plurinational St.	39.41	23.38	0.75	●	108	Iran, Islamic Rep.	3.95	2.34	0.24	
37	Uzbekistan	38.24	22.68	0.74	●	109	Pakistan	3.81	2.26	0.23	
38	Korea, Rep.	36.85	21.86	0.74		110	Yemen	3.16	1.87	0.22	
39	Kuwait	36.76	21.81	0.73		111	Slovakia	3.15	1.87	0.21	○
40	Thailand	36.54	21.68	0.72		112	Guatemala	2.70	1.60	0.21	
41	India	36.00	21.35	0.71		113	Algeria	1.62	0.96	0.20	
42	Latvia	34.65	20.56	0.71		114	Albania	0.00	0.00	0.00	○
43	China	34.39	20.40	0.70		114	Armenia	0.00	0.00	0.00	○
44	Mali	32.73	19.42	0.69	●	114	Belize	0.00	0.00	0.00	○
45	Jordan	32.52	19.29	0.69		114	Benin	0.00	0.00	0.00	○
46	Cambodia	32.51	19.29	0.68	●	114	Bosnia and Herzegovina	0.00	0.00	0.00	○
47	France	32.47	19.26	0.67		114	Burkina Faso	0.00	0.00	0.00	○
48	Azerbaijan	31.12	18.46	0.66		114	Burundi	0.00	0.00	0.00	○
49	Kenya	30.71	18.22	0.66		114	Cameroon	0.00	0.00	0.00	○
50	Russian Federation	29.62	17.57	0.65		114	Costa Rica	0.00	0.00	0.00	○
51	Zambia	27.38	16.24	0.64	●	114	Ethiopia	0.00	0.00	0.00	○
52	Uruguay	26.87	15.94	0.64		114	Fiji	0.00	0.00	0.00	○
53	Lebanon	26.73	15.85	0.63		114	Gabon	0.00	0.00	0.00	○
54	Kazakhstan	26.60	15.78	0.62		114	Gambia	0.00	0.00	0.00	○
55	Malta	26.20	15.54	0.61		114	Georgia	0.00	0.00	0.00	○
56	Namibia	25.71	15.25	0.61		114	Honduras	0.00	0.00	0.00	○
57	Turkey	24.64	14.62	0.60		114	Jamaica	0.00	0.00	0.00	○
58	Spain	24.07	14.28	0.59		114	Lesotho	0.00	0.00	0.00	○
59	Slovenia	23.74	14.08	0.59		114	Macedonia, FYR	0.00	0.00	0.00	○
60	Brunei Darussalam	23.21	13.77	0.58		114	Moldova, Rep.	0.00	0.00	0.00	○
61	Belgium	22.85	13.55	0.57		114	Montenegro	0.00	0.00	0.00	○
62	Côte d'Ivoire	22.43	13.31	0.56	●	114	Nicaragua	0.00	0.00	0.00	○
63	Indonesia	21.52	12.76	0.56		114	Niger	0.00	0.00	0.00	○
64	Germany	21.34	12.66	0.55		114	Rwanda	0.00	0.00	0.00	○
65	Greece	20.70	12.28	0.54		114	Senegal	0.00	0.00	0.00	○
66	South Africa	20.17	11.96	0.54		114	Swaziland	0.00	0.00	0.00	○
67	Croatia	19.76	11.72	0.53		114	Syrian Arab Rep.	0.00	0.00	0.00	○
68	Egypt	19.47	11.55	0.52		114	Tajikistan	0.00	0.00	0.00	○
69	Peru	17.66	10.48	0.51		114	Togo	0.00	0.00	0.00	○
70	Brazil	16.65	9.88	0.51							
71	Sudan	16.43	9.75	0.50	●						
72	Ghana	16.02	9.50	0.49							

SOURCE: Thomson Reuters, Thomson One Banker Private Equity, SDC Platinum database; World Bank and OECD GDP estimates, World Bank World Development Indicators database

5.2.5 Share of patents with foreign inventor

Percentage of published Patent Cooperation Treaty (PCT) applications with at least one foreign inventor^a | 2011

379

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Algeria (2010)	100.00	100.00	0.65	●	71	Sri Lanka	25.00	22.50	0.29	
1	Armenia (2001)	100.00	100.00	0.65	●	74	Germany	24.50	21.98	0.28	○
1	Bahrain (2004)	100.00	100.00	0.65	●	75	Norway	21.07	18.44	0.27	○
1	Bangladesh (2004)	100.00	100.00	0.65	●	76	Portugal	20.54	17.89	0.26	○
1	Belize (2010)	100.00	100.00	0.65	●	77	Bulgaria	20.00	17.33	0.22	○
1	Bosnia and Herzegovina (2010)	100.00	100.00	0.65	●	77	Egypt	20.00	17.33	0.22	
1	Botswana	100.00	100.00	0.65	●	77	Latvia	20.00	17.33	0.22	○
1	Brunei Darussalam (2007)	100.00	100.00	0.65	●	77	Lithuania	20.00	17.33	0.22	○
1	Costa Rica (2010)	100.00	100.00	0.65	●	81	South Africa	19.88	17.21	0.21	○
1	Ecuador	100.00	100.00	0.65	●	82	Mexico	19.70	17.02	0.20	○
1	El Salvador (2001)	100.00	100.00	0.65	●	83	Estonia	19.51	16.83	0.19	○
1	Gabon	100.00	100.00	0.65	●	84	Thailand	18.18	15.45	0.18	○
1	Georgia (2010)	100.00	100.00	0.65	●	85	Spain	18.15	15.42	0.17	○
1	Hong Kong (China) (2009)	100.00	100.00	0.65	●	86	Czech Republic	17.53	14.78	0.16	○
1	Iran, Islamic Rep. (2009)	100.00	100.00	0.65	●	87	Jordan (2007)	14.29	11.43	0.15	○
1	Jamaica	100.00	100.00	0.65	●	88	Greece	12.82	9.91	0.14	○
1	Kazakhstan	100.00	100.00	0.65	●	89	Poland	11.97	9.04	0.13	○
1	Kenya	100.00	100.00	0.65	●	90	Russian Federation	11.20	8.24	0.12	○
1	Kuwait (2002)	100.00	100.00	0.65	●	91	Hungary	10.81	7.84	0.11	○
1	Lao PDR	100.00	100.00	0.65	●	92	Israel	10.30	7.31	0.10	○
1	Lebanon	100.00	100.00	0.65	●	93	Brazil	10.07	7.07	0.09	○
1	Mauritius	100.00	100.00	0.65	●	94	Italy	10.01	7.01	0.08	○
1	Moldova, Rep.	100.00	100.00	0.65	●	95	Slovenia	9.38	6.35	0.07	○
1	Mongolia (2008)	100.00	100.00	0.65	●	96	India	8.59	5.55	0.06	○
1	Namibia	100.00	100.00	0.65	●	97	Chile	8.00	4.93	0.05	○
1	Nicaragua	100.00	100.00	0.65	●	98	China	6.74	3.63	0.04	○
1	Niger (2010)	100.00	100.00	0.65	●	99	Korea, Rep.	6.51	3.40	0.03	○
1	Oman (2010)	100.00	100.00	0.65	●	100	Turkey	4.50	1.31	0.02	○
1	Panama	100.00	100.00	0.65	●	101	Japan	4.08	0.88	0.01	○
1	Senegal (2005)	100.00	100.00	0.65	●	102	Colombia	3.23	0.00	0.00	○
1	Sudan (2009)	100.00	100.00	0.65	●	n/a	Albania	n/a	n/a	n/a	
1	Swaziland	100.00	100.00	0.65	●	n/a	Angola	n/a	n/a	n/a	
1	Tunisia (2010)	100.00	100.00	0.65	●	n/a	Benin	n/a	n/a	n/a	
1	United Arab Emirates	100.00	100.00	0.65	●	n/a	Bolivia, Plurinational St.	n/a	n/a	n/a	
1	Venezuela, Bolivarian Rep. (2010)	100.00	100.00	0.65	●	n/a	Burkina Faso	n/a	n/a	n/a	
1	Viet Nam	100.00	100.00	0.65	●	n/a	Burundi	n/a	n/a	n/a	
37	Luxembourg	93.75	93.54	0.64		n/a	Cambodia	n/a	n/a	n/a	
38	Malta	92.31	92.05	0.63		n/a	Cameroon	n/a	n/a	n/a	
39	Cyprus	84.38	83.85	0.62		n/a	Côte d'Ivoire	n/a	n/a	n/a	
40	Switzerland	79.22	78.52	0.61		n/a	Dominican Republic	n/a	n/a	n/a	
41	Saudi Arabia	78.38	77.66	0.60		n/a	Ethiopia	n/a	n/a	n/a	
42	Singapore	77.46	76.71	0.59		n/a	Fiji	n/a	n/a	n/a	
43	Philippines	66.67	65.56	0.57		n/a	Gambia	n/a	n/a	n/a	
43	Uruguay (2010)	66.67	65.56	0.57		n/a	Ghana	n/a	n/a	n/a	
45	Ireland	65.08	63.92	0.56		n/a	Guatemala	n/a	n/a	n/a	
46	Netherlands	56.97	55.53	0.55	○	n/a	Guyana	n/a	n/a	n/a	
47	Belgium	53.89	52.35	0.54	○	n/a	Honduras	n/a	n/a	n/a	
48	Azerbaijan	50.00	48.33	0.50		n/a	Kyrgyzstan	n/a	n/a	n/a	
48	Indonesia	50.00	48.33	0.50		n/a	Lesotho	n/a	n/a	n/a	
48	Peru (2010)	50.00	48.33	0.50		n/a	Macedonia, FYR	n/a	n/a	n/a	
48	Serbia	50.00	48.33	0.50		n/a	Madagascar	n/a	n/a	n/a	
48	Zimbabwe (2003)	50.00	48.33	0.50		n/a	Malawi	n/a	n/a	n/a	
53	Finland	46.25	44.46	0.49	○	n/a	Mali	n/a	n/a	n/a	
54	Iceland	45.65	43.84	0.48		n/a	Montenegro	n/a	n/a	n/a	
55	Canada	43.21	41.32	0.47	○	n/a	Mozambique	n/a	n/a	n/a	
56	United States of America	42.32	40.40	0.46		n/a	Nepal	n/a	n/a	n/a	
57	Sweden	42.17	40.25	0.45	○	n/a	Nigeria	n/a	n/a	n/a	
58	Pakistan (2007)	40.00	38.00	0.44		n/a	Paraguay	n/a	n/a	n/a	
59	Denmark	37.55	35.46	0.43	○	n/a	Qatar	n/a	n/a	n/a	
60	Slovakia	34.78	32.61	0.42		n/a	Rwanda	n/a	n/a	n/a	
61	Morocco	33.33	31.11	0.41		n/a	Syrian Arab Rep.	n/a	n/a	n/a	
62	Malaysia	33.20	30.97	0.40	○	n/a	Tajikistan	n/a	n/a	n/a	
63	Austria	32.94	30.70	0.39	○	n/a	Tanzania, United Rep.	n/a	n/a	n/a	
64	United Kingdom	32.38	30.13	0.38	○	n/a	Togo	n/a	n/a	n/a	
65	New Zealand	29.09	26.73	0.37	○	n/a	Trinidad and Tobago	n/a	n/a	n/a	
66	Australia	28.98	26.61	0.36	○	n/a	Uganda	n/a	n/a	n/a	
67	Argentina	28.57	26.19	0.35		n/a	Uzbekistan	n/a	n/a	n/a	
68	Ukraine	27.27	24.85	0.34		n/a	Yemen	n/a	n/a	n/a	
69	Croatia	26.67	24.22	0.33	○	n/a	Zambia	n/a	n/a	n/a	
70	France	26.06	23.59	0.32	○						
71	Belarus	25.00	22.50	0.29							
71	Romania	25.00	22.50	0.29							

SOURCE: World Intellectual Property Organization, WIPO Statistics Database (2001–11)

5.3.1 Royalty and license fees payments

Royalty and license fees, payments (per thousand GDP) | 2010

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Ireland	182.73	100.00	0.97	●	73	Bolivia, Plurinational St.	1.00	8.03	0.38	
1	Singapore	71.20	100.00	0.97	●	74	Belize	0.99	7.93	0.37	
1	Malta	20.85	100.00	0.97	●	75	Lithuania	0.96	7.69	0.36	
1	Guyana	12.41	100.00	0.97	●	76	Senegal (2009)	0.95	7.61	0.35	
5	Hungary	10.62	85.62	0.97	●	77	Ecuador	0.93	7.49	0.34	
6	Thailand	9.67	77.94	0.96	●	78	Côte d'Ivoire (2008)	0.90	7.23	0.34	
7	Korea, Rep.	8.84	71.21	0.95		79	Botswana	0.77	6.16	0.33	
8	Hong Kong (China) (2009)	8.12	65.45	0.94		80	Brunei Darussalam (2009)	0.71	5.66	0.32	
9	Slovenia	7.73	62.27	0.93	●	81	Pakistan	0.70	5.62	0.31	
10	Luxembourg	7.36	59.27	0.92		82	Namibia	0.65	5.22	0.30	
11	Malaysia (2009)	5.87	47.30	0.91		83	Georgia	0.63	5.09	0.29	
12	Canada	5.49	44.27	0.91		84	Syrian Arab Rep.	0.62	4.94	0.28	
13	Ukraine	5.39	43.46	0.90	●	85	Kazakhstan	0.58	4.63	0.28	
14	South Africa	5.34	43.01	0.89	●	86	Kyrgyzstan	0.56	4.49	0.27	
15	Finland	5.17	41.62	0.88		87	Kenya	0.55	4.44	0.26	
16	Poland	4.79	38.58	0.87	●	88	Cambodia	0.54	4.33	0.25	
17	New Zealand	4.76	38.35	0.86		89	Mexico (2006)	0.53	4.23	0.24	○
18	Netherlands	4.75	38.26	0.85		90	Cameroon	0.51	4.12	0.23	
19	Swaziland	4.41	35.53	0.84	●	91	Benin (2009)	0.45	3.61	0.22	
20	United Kingdom	4.30	34.64	0.84		92	Mozambique	0.45	3.57	0.22	
21	Argentina	4.16	33.48	0.83	●	93	Mongolia	0.41	3.32	0.21	
22	Serbia	4.10	33.06	0.82		94	Uruguay	0.41	3.30	0.20	
23	Belgium	4.07	32.78	0.81		95	Niger (2009)	0.38	3.02	0.19	
24	Czech Republic	4.01	32.33	0.80		96	Tunisia	0.34	2.73	0.18	○
25	Germany	3.97	31.99	0.79		97	Morocco	0.33	2.66	0.17	○
26	Israel	3.95	31.84	0.78		98	Bosnia and Herzegovina	0.33	2.64	0.16	○
27	Austria	3.72	29.94	0.78		99	Lebanon	0.32	2.52	0.16	○
28	Croatia	3.70	29.82	0.77		100	Azerbaijan	0.30	2.42	0.15	
29	Japan	3.44	27.69	0.76		101	Mali (2009)	0.29	2.32	0.14	
30	Russian Federation	3.42	27.57	0.75		102	Fiji	0.29	2.27	0.13	○
31	Italy	3.40	27.38	0.74		103	Iceland (2008)	0.26	2.09	0.12	○
32	Estonia	3.12	25.09	0.73		104	Uganda	0.26	2.04	0.11	
33	Sweden	3.01	24.27	0.72		105	Bangladesh	0.23	1.83	0.10	
34	Australia (2008)	2.85	22.97	0.72		106	Sudan	0.17	1.37	0.09	
35	Jamaica	2.72	21.87	0.71	●	107	Yemen	0.15	1.21	0.09	
36	Romania	2.65	21.32	0.70		108	Paraguay	0.14	1.07	0.08	○
37	Chile	2.44	19.66	0.69		109	Algeria (2009)	0.12	0.95	0.07	
38	Bulgaria	2.40	19.33	0.68		110	Malawi (2009)	0.09	0.66	0.06	○
39	Portugal	2.39	19.24	0.67		111	Angola	0.08	0.60	0.05	
40	United States of America	2.30	18.54	0.66		112	Burkina Faso (2009)	0.06	0.47	0.04	
41	Indonesia	2.29	18.41	0.66	●	113	Ethiopia	0.03	0.24	0.03	
42	Guatemala	2.24	18.02	0.65	●	114	Zambia	0.03	0.22	0.03	○
43	Philippines	2.23	17.95	0.64		115	Tanzania, United Rep.	0.01	0.07	0.02	○
44	China	2.22	17.86	0.63		116	Tajikistan	0.01	0.03	0.01	○
45	Moldova, Rep.	2.18	17.58	0.62		117	Rwanda	0.00	0.00	0.00	○
46	France	2.17	17.46	0.61		n/a	Armenia	n/a	n/a	n/a	
47	Greece	2.05	16.53	0.60		n/a	Bahrain	n/a	n/a	n/a	
48	Honduras	1.98	15.93	0.59	●	n/a	Burundi	n/a	n/a	n/a	
49	Macedonia, FYR	1.93	15.51	0.59		n/a	Denmark	n/a	n/a	n/a	
50	Spain	1.88	15.12	0.58		n/a	Gabon	n/a	n/a	n/a	
51	Belarus	1.84	14.78	0.57		n/a	Gambia	n/a	n/a	n/a	
52	Madagascar (2005)	1.80	14.52	0.56		n/a	Ghana	n/a	n/a	n/a	
53	Costa Rica	1.78	14.30	0.55		n/a	Iran, Islamic Rep.	n/a	n/a	n/a	
54	Panama	1.73	13.90	0.54		n/a	Jordan	n/a	n/a	n/a	
55	Slovakia	1.68	13.53	0.53		n/a	Kuwait	n/a	n/a	n/a	
56	India	1.49	12.01	0.53		n/a	Lao PDR	n/a	n/a	n/a	
57	El Salvador	1.48	11.94	0.52		n/a	Montenegro	n/a	n/a	n/a	
58	Togo (2009)	1.48	11.92	0.51		n/a	Nepal	n/a	n/a	n/a	
59	Lesotho	1.47	11.82	0.50		n/a	Nicaragua	n/a	n/a	n/a	
60	Brazil	1.36	10.96	0.49		n/a	Oman	n/a	n/a	n/a	
61	Latvia	1.36	10.92	0.48		n/a	Qatar	n/a	n/a	n/a	
62	Cyprus	1.33	10.71	0.47		n/a	Saudi Arabia	n/a	n/a	n/a	
63	Norway	1.30	10.43	0.47	○	n/a	Sri Lanka	n/a	n/a	n/a	
64	Peru	1.28	10.29	0.46		n/a	Switzerland	n/a	n/a	n/a	
65	Colombia	1.25	10.07	0.45		n/a	Trinidad and Tobago	n/a	n/a	n/a	
66	Mauritius	1.24	9.98	0.44		n/a	United Arab Emirates	n/a	n/a	n/a	
67	Dominican Republic	1.22	9.78	0.43		n/a	Uzbekistan	n/a	n/a	n/a	
68	Venezuela, Bolivarian Rep.	1.16	9.32	0.42		n/a	Viet Nam	n/a	n/a	n/a	
69	Turkey	1.11	8.92	0.41		n/a	Zimbabwe	n/a	n/a	n/a	
70	Nigeria	1.11	8.89	0.41							
71	Egypt	1.03	8.31	0.40							
72	Albania	1.03	8.27	0.39							

SOURCE: International Monetary Fund; World Bank and OECD GDP estimates, World Bank *World Development Indicators* database (2005–10)

5.3.2 High-tech imports

High-tech net imports (% of total net imports) | 2010

381

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Hong Kong (China)	43.49	100.00	0.99	●	73	Portugal	7.93	18.26	0.40	
1	Malaysia	32.66	100.00	0.99	●	74	Nepal	7.79	17.80	0.39	
3	Singapore	32.60	99.82	0.98		75	Bahrain (2011)	7.67	17.40	0.38	
4	China	25.57	76.57	0.98	●	76	Croatia (2011)	7.51	16.85	0.38	
5	Malta	23.53	69.84	0.97	●	77	Bulgaria	7.48	16.75	0.37	
6	Panama	20.63	60.24	0.96	●	78	Nigeria	7.41	16.55	0.36	
7	Costa Rica	20.45	59.64	0.95	●	79	Moldova, Rep.	7.33	16.27	0.35	
8	Ireland	20.44	59.60	0.94		80	United Arab Emirates (2008)	7.26	16.05	0.34	
9	Mexico	19.42	56.23	0.93	●	81	Latvia (2011)	7.24	15.98	0.33	○
10	Paraguay (2011)	19.00	54.86	0.93	●	82	Trinidad and Tobago	7.21	15.89	0.33	
11	Czech Republic	18.94	54.66	0.92	●	83	Madagascar	7.00	15.19	0.32	
12	Hungary (2011)	18.28	52.47	0.91		84	Serbia	6.92	14.93	0.31	
13	Colombia (2011)	17.47	49.78	0.90	●	85	Slovenia (2011)	6.70	14.19	0.30	
14	Thailand	17.46	49.74	0.89	●	86	Armenia (2011)	6.63	13.94	0.29	
15	United States of America	17.35	49.38	0.88		87	Georgia	6.58	13.80	0.28	
16	Netherlands	16.51	46.62	0.88		88	Pakistan	6.27	12.77	0.28	
17	Switzerland	15.85	44.43	0.87		89	Dominican Republic	6.24	12.65	0.27	
18	Korea, Rep. (2011)	15.63	43.70	0.86		90	Macedonia, FYR (2011)	6.10	12.21	0.26	
19	Germany	15.10	41.96	0.85		91	Mauritius	6.04	11.99	0.25	○
20	Argentina	15.01	41.66	0.84	●	92	Mongolia (2007)	5.83	11.31	0.24	
21	Sweden	14.85	41.13	0.83		93	Belize	5.74	11.01	0.23	
22	France	14.77	40.86	0.83		94	Côte d'Ivoire	5.74	11.00	0.23	
23	Brazil (2011)	14.33	39.40	0.82	●	95	Egypt	5.38	9.84	0.22	
24	Estonia (2011)	14.33	39.40	0.81		96	Bosnia and Herzegovina	5.31	9.60	0.21	
25	Australia	13.94	38.13	0.80		97	Ethiopia (2011)	5.25	9.39	0.20	
26	Japan (2011)	13.87	37.88	0.79		98	Montenegro	5.22	9.28	0.19	○
27	Kenya	13.78	37.58	0.78	●	99	Togo (2011)	5.18	9.17	0.18	
28	South Africa	13.39	36.29	0.78		100	Fiji	5.14	9.02	0.18	○
29	United Kingdom (2011)	13.09	35.31	0.77		101	Jordan (2011)	5.07	8.79	0.17	○
30	New Zealand	12.69	34.00	0.76		102	Sri Lanka	4.98	8.51	0.16	
31	Canada (2011)	12.60	33.67	0.75		103	Lithuania	4.96	8.44	0.15	○
32	Norway	12.01	31.76	0.74		104	Namibia (2008)	4.95	8.41	0.14	○
33	Israel	11.90	31.38	0.73		105	Oman	4.88	8.18	0.13	○
34	Poland	11.69	30.68	0.73		106	Burkina Faso	4.83	8.00	0.13	
35	Denmark	11.65	30.57	0.72		107	Jamaica	4.75	7.74	0.12	○
36	Rwanda (2011)	11.64	30.52	0.71	●	108	Albania	4.71	7.59	0.11	
37	Indonesia	11.54	30.18	0.70	●	109	Belarus	4.70	7.59	0.10	○
38	Ghana	11.48	29.99	0.69	●	110	Kyrgyzstan	4.67	7.47	0.09	
39	Saudi Arabia	11.44	29.84	0.68		111	Zambia	4.50	6.92	0.08	
40	Finland	11.37	29.62	0.68		112	Zimbabwe	4.48	6.86	0.08	
41	Viet Nam (2009)	11.20	29.05	0.67		113	Guyana	4.48	6.84	0.07	○
42	Italy	11.02	28.47	0.66		114	Senegal (2011)	4.47	6.83	0.06	○
43	Luxembourg (2011)	10.95	28.24	0.65		115	Mali	4.22	6.00	0.05	○
44	Austria	10.79	27.71	0.64		116	Cambodia	4.05	5.41	0.04	○
45	Romania (2011)	10.79	27.69	0.63		117	Lebanon	4.02	5.34	0.03	○
46	Russian Federation	10.68	27.34	0.63		118	Yemen (2009)	3.76	4.46	0.03	
47	Slovakia	10.64	27.20	0.62		119	Niger	3.70	4.27	0.02	
48	Cyprus	10.42	26.50	0.61		120	Gambia	2.60	0.63	0.01	○
49	Uganda	10.34	26.21	0.60	●	121	Syrian Arab Rep. (2008)	2.41	0.00	0.00	○
50	Bolivia, Plurinational St.	10.22	25.82	0.59	●	n/a	Angola	n/a	n/a	n/a	
51	Uruguay (2009)	10.21	25.80	0.58		n/a	Bangladesh	n/a	n/a	n/a	
52	Malawi	9.94	24.89	0.58	●	n/a	Benin	n/a	n/a	n/a	
53	Turkey	9.90	24.77	0.57		n/a	Botswana	n/a	n/a	n/a	
54	Peru	9.69	24.08	0.56		n/a	Brunei Darussalam	n/a	n/a	n/a	
55	Algeria	9.60	23.79	0.55		n/a	Cameroon	n/a	n/a	n/a	
56	Ecuador (2011)	9.46	23.30	0.54		n/a	Gabon	n/a	n/a	n/a	
57	Spain	9.43	23.20	0.53		n/a	Iran, Islamic Rep.	n/a	n/a	n/a	
58	Tunisia	8.96	21.64	0.53		n/a	Kuwait	n/a	n/a	n/a	
59	Chile	8.92	21.52	0.52		n/a	Lao PDR	n/a	n/a	n/a	
60	Guatemala	8.91	21.48	0.51		n/a	Lesotho	n/a	n/a	n/a	
61	Greece	8.85	21.29	0.50		n/a	Morocco	n/a	n/a	n/a	
62	Honduras (2009)	8.81	21.18	0.49		n/a	Mozambique	n/a	n/a	n/a	
63	Burundi	8.54	20.27	0.48	●	n/a	Philippines	n/a	n/a	n/a	
64	Belgium	8.32	19.53	0.48	○	n/a	Qatar	n/a	n/a	n/a	
65	India	8.31	19.50	0.47		n/a	Swaziland	n/a	n/a	n/a	
66	El Salvador	8.28	19.40	0.46		n/a	Tajikistan	n/a	n/a	n/a	
67	Sudan (2009)	8.25	19.32	0.45	●	n/a	Ukraine	n/a	n/a	n/a	
68	Kazakhstan (2009)	8.16	19.00	0.44		n/a	Uzbekistan	n/a	n/a	n/a	
69	Tanzania, United Rep. (2011)	8.15	18.99	0.43		n/a	Venezuela, Bolivarian Rep.	n/a	n/a	n/a	
70	Azerbaijan	8.08	18.76	0.43							
71	Nicaragua	8.04	18.61	0.42							
72	Iceland	7.94	18.27	0.41							

SOURCE: United Nations, COMTRADE database; Eurostat 'High-technology' aggregations based on SITC Rev. 4, April 2009 (2007–11)

5.3.3 Computer and communications service imports

Computer, communications, and other services (% of commercial service imports) | 2009

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Ireland	75.55	100.00	1.00	●	73	Hong Kong (China)	27.18	34.61	0.46	○
2	Angola	72.20	95.47	0.99	●	74	Belarus	26.93	34.27	0.45	
3	Algeria	67.40	88.98	0.98	●	75	Australia (2008)	26.70	33.96	0.44	
4	Finland	65.17	85.97	0.98		76	Cambodia	26.64	33.87	0.44	
5	Malta	64.93	85.63	0.97	●	77	Saudi Arabia	26.63	33.87	0.43	
6	Kazakhstan	63.42	83.60	0.96	●	78	Kenya	26.39	33.54	0.42	
7	Hungary (2010)	61.26	80.68	0.95	●	79	South Africa	26.32	33.44	0.41	
8	Azerbaijan	61.07	80.42	0.95	●	80	Zambia	26.04	33.07	0.41	
9	Sweden	56.45	74.18	0.94		81	Botswana	26.03	33.05	0.40	
10	Lebanon	55.93	73.47	0.93	●	82	Mali	25.04	31.71	0.39	
11	Croatia	52.37	68.66	0.92	●	83	Ukraine	25.02	31.69	0.38	
12	Netherlands	51.44	67.40	0.92		84	Benin	24.99	31.64	0.38	
13	Spain	51.09	66.94	0.91	●	85	Honduras	24.98	31.64	0.37	
14	Romania	50.99	66.79	0.90	●	86	Bosnia and Herzegovina	24.85	31.46	0.36	
15	Korea, Rep.	49.77	65.14	0.89		87	Egypt	24.13	30.49	0.35	
16	Japan	49.68	65.03	0.89		88	Greece	23.82	30.06	0.35	
17	Brazil	49.42	64.68	0.88	●	89	Moldova, Rep.	23.74	29.96	0.34	
18	Czech Republic (2010)	48.83	63.88	0.87		90	Tunisia	22.62	28.45	0.33	
19	Israel	48.12	62.92	0.86		91	Philippines	22.58	28.39	0.32	
20	Swaziland	47.69	62.33	0.86	●	92	Brunei Darussalam	22.39	28.13	0.32	
21	Belgium	46.93	61.31	0.85		93	Trinidad and Tobago	22.36	28.09	0.31	
22	Slovenia (2010)	46.37	60.55	0.84		94	Ethiopia	21.79	27.33	0.30	
23	Poland (2010)	45.91	59.93	0.83	●	95	Rwanda	21.71	27.21	0.29	
24	Macedonia, FYR	45.04	58.74	0.83	●	96	Uruguay	21.36	26.74	0.29	
25	Russian Federation	44.65	58.22	0.82		97	Senegal	20.87	26.08	0.28	
26	Italy	44.01	57.36	0.81		98	Mongolia	20.76	25.93	0.27	
27	Singapore	43.98	57.32	0.80		99	Belize	20.70	25.85	0.26	
28	United Kingdom	43.78	57.05	0.80		100	Lithuania	19.67	24.45	0.26	○
29	Germany	43.55	56.74	0.79		101	Chile	19.40	24.09	0.25	○
30	Switzerland	43.55	56.73	0.78		102	Bolivia, Plurinational St.	19.27	23.92	0.24	
31	Guyana	42.14	54.83	0.77		103	Kyrgyzstan	19.16	23.77	0.23	
32	France	41.98	54.61	0.77		104	Ecuador	19.04	23.61	0.23	
33	Mozambique	41.10	53.42	0.76	●	105	Turkey	18.52	22.90	0.22	
34	Namibia	40.87	53.11	0.75		106	Burkina Faso	18.13	22.38	0.21	
35	Serbia	40.43	52.52	0.74		107	Lao PDR	17.68	21.77	0.20	
36	Estonia (2010)	40.35	52.40	0.74		108	El Salvador	17.54	21.58	0.20	
37	Indonesia	40.09	52.06	0.73	●	109	Fiji	17.37	21.34	0.19	
38	Portugal	40.03	51.98	0.72		110	Cyprus	16.93	20.76	0.18	○
39	Iceland	39.97	51.90	0.71		111	Niger	16.62	20.33	0.17	
40	Mauritius	39.91	51.81	0.71		112	Togo	15.93	19.39	0.17	
41	Malaysia	38.31	49.65	0.70		113	Uganda	15.83	19.26	0.16	
42	Tajikistan	38.15	49.44	0.69	●	114	Sri Lanka	15.22	18.45	0.15	
43	Thailand	37.90	49.10	0.68		115	Malawi	14.89	17.99	0.14	
44	Austria	37.59	48.68	0.68		116	Tanzania, United Rep.	14.79	17.86	0.14	
45	Jamaica (2010)	36.75	47.54	0.67	●	117	Dominican Republic	13.00	15.44	0.13	○
46	Norway	36.63	47.39	0.66		118	Georgia	12.33	14.53	0.12	○
47	Cameroon	36.45	47.14	0.65	●	119	Nepal	11.58	13.51	0.11	
48	New Zealand	36.04	46.58	0.65		120	Bahrain	11.53	13.46	0.11	○
49	Gambia	36.00	46.53	0.64	●	121	Panama	11.29	13.13	0.10	
50	Slovakia (2010)	35.34	45.64	0.63		122	Kuwait	11.24	13.06	0.09	○
51	China	35.29	45.57	0.62		123	Nicaragua	11.07	12.84	0.08	○
52	Canada	35.27	45.55	0.62		124	Lesotho	10.91	12.62	0.08	
53	Gabon (2005)	35.23	45.49	0.61		125	Jordan	10.30	11.79	0.07	○
54	Bulgaria	34.91	45.06	0.60		126	Guatemala	9.05	10.10	0.06	○
55	Denmark (2004)	34.84	44.97	0.59	○	127	Albania	8.88	9.87	0.05	○
56	Argentina	34.83	44.94	0.59		128	Armenia	8.34	9.14	0.05	○
57	United States of America	34.68	44.75	0.58		129	Bangladesh	7.35	7.81	0.04	○
58	Madagascar (2005)	34.66	44.72	0.57		130	Syrian Arab Rep.	6.10	6.11	0.03	○
59	Yemen	34.65	44.71	0.56	●	131	Burundi	5.76	5.65	0.02	○
60	India	34.59	44.63	0.56		132	Mexico	3.51	2.61	0.02	○
61	Latvia	34.34	44.29	0.55		133	Paraguay	2.81	1.67	0.01	○
62	Oman	33.98	43.80	0.54		134	Sudan	1.58	0.00	0.00	○
63	Venezuela, Bolivarian Rep.	33.43	43.05	0.53		n/a	Iran, Islamic Rep.	n/a	n/a	n/a	
64	Colombia	33.34	42.94	0.53		n/a	Montenegro	n/a	n/a	n/a	
65	Luxembourg	30.93	39.68	0.52		n/a	Qatar	n/a	n/a	n/a	
66	Morocco	30.36	38.90	0.51		n/a	United Arab Emirates	n/a	n/a	n/a	
67	Nigeria	29.98	38.39	0.50		n/a	Uzbekistan	n/a	n/a	n/a	
68	Ghana	29.58	37.85	0.50		n/a	Viet Nam	n/a	n/a	n/a	
69	Pakistan	29.34	37.53	0.49		n/a	Zimbabwe	n/a	n/a	n/a	
70	Costa Rica	28.57	36.48	0.48							
71	Peru	27.99	35.70	0.47							
72	Côte d'Ivoire	27.21	34.65	0.47	●						

SOURCE: International Monetary Fund; World Bank and OECD GDP estimates, World Bank *World Development Indicators* database; (2004–10)

5.3.4 Foreign direct investment net inflows

Foreign direct investment (FDI), net inflows (% of GDP) | 2010

383

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Luxembourg	288.37	100.00	0.99	●	73	Romania	2.14	54.90	0.49	
1	Hong Kong (China)	30.70	100.00	0.99	●	74	Uzbekistan	2.11	54.86	0.48	
3	Mongolia	23.46	88.57	0.99	●	75	United Kingdom	2.09	54.83	0.47	○
4	Iceland	23.46	88.56	0.98		76	Thailand	1.98	54.66	0.46	
5	Cyprus	20.93	84.57	0.97	●	77	Poland	1.93	54.58	0.46	
6	Singapore	18.51	80.75	0.96		78	Indonesia	1.88	54.50	0.45	
7	Montenegro	18.50	80.73	0.96	●	79	Tanzania, United Rep.	1.88	54.50	0.44	
8	Niger	17.06	78.47	0.95	●	80	Finland	1.84	54.44	0.44	○
9	Belgium	13.38	72.66	0.94	●	81	Côte d'Ivoire	1.83	54.43	0.43	
10	Ireland	12.81	71.76	0.94		82	Senegal	1.83	54.42	0.42	
11	Lebanon	12.70	71.58	0.93	●	83	Mexico	1.81	54.38	0.41	
12	Malta	12.10	70.63	0.92		84	Spain	1.75	54.30	0.41	
13	Madagascar	9.87	67.11	0.91	●	85	Argentina	1.72	54.24	0.40	
14	Kyrgyzstan	9.48	66.50	0.91	●	86	Lithuania	1.71	54.24	0.39	
15	Albania	9.41	66.39	0.90	●	87	Benin	1.67	54.17	0.39	
16	Panama	8.85	65.51	0.89	●	88	Guatemala	1.67	54.16	0.38	
17	Guyana	8.43	64.83	0.89	●	89	United States of America	1.62	54.09	0.37	○
18	Qatar (2009)	8.26	64.58	0.88		90	Jamaica	1.60	54.05	0.36	
19	Mozambique	8.23	64.52	0.87	●	91	Mali	1.60	54.05	0.36	
20	Ghana	8.07	64.28	0.86	●	92	Latvia	1.54	53.96	0.35	○
21	Estonia	8.01	64.18	0.86		93	Canada	1.50	53.89	0.34	○
22	Nicaragua	7.75	63.77	0.85	●	94	Algeria	1.44	53.80	0.34	
23	Viet Nam	7.52	63.40	0.84	●	95	Zimbabwe	1.41	53.76	0.33	
24	Chile	7.10	62.73	0.84	●	96	Germany	1.41	53.75	0.32	○
25	Namibia	7.05	62.66	0.83	●	97	India	1.40	53.74	0.31	
26	Georgia	6.98	62.55	0.82	●	98	Bosnia and Herzegovina	1.40	53.74	0.31	
27	Cambodia	6.96	62.52	0.81	●	99	Morocco	1.37	53.69	0.30	
28	Belize	6.88	62.40	0.81	●	100	United Arab Emirates	1.33	53.63	0.29	
29	Kazakhstan	6.68	62.08	0.80	●	101	France	1.32	53.61	0.29	○
30	Zambia	6.43	61.68	0.79	●	102	Gabon	1.31	53.60	0.28	
31	Jordan	6.17	61.27	0.79	●	103	Togo	1.30	53.59	0.27	
32	Armenia	6.08	61.13	0.78	●	104	Turkey	1.26	53.53	0.26	
33	Lesotho	5.49	60.20	0.77	●	105	Bahrain (2009)	1.25	53.50	0.26	
34	Honduras	5.18	59.71	0.76	●	106	Sweden	1.15	53.35	0.25	○
35	Saudi Arabia	4.96	59.36	0.76		107	Pakistan	1.14	53.33	0.24	
36	Uganda	4.80	59.12	0.75	●	108	Azerbaijan	1.09	53.25	0.24	
37	Lao PDR	4.80	59.10	0.74	●	109	Kuwait (2009)	1.02	53.14	0.23	
38	Ukraine	4.71	58.97	0.74		110	Sri Lanka	0.97	53.06	0.22	
39	Peru	4.67	58.90	0.73	●	111	Bangladesh	0.96	53.05	0.21	
40	Sudan	4.66	58.90	0.72	●	112	Iran, Islamic Rep. (2009)	0.91	52.97	0.21	
41	Gambia	4.63	58.85	0.71	●	113	Philippines	0.86	52.89	0.20	
42	Bulgaria	4.54	58.70	0.71		114	Slovenia	0.78	52.76	0.19	○
43	Mauritius	4.43	58.53	0.70		115	Rwanda	0.75	52.72	0.19	
44	Costa Rica	4.09	57.99	0.69		116	Greece	0.75	52.71	0.18	
45	Fiji	4.04	57.91	0.69	●	117	Portugal	0.65	52.55	0.17	○
46	Uruguay	4.04	57.91	0.68		118	Slovakia	0.63	52.53	0.16	○
47	Malaysia	4.00	57.84	0.67		119	Ethiopia	0.62	52.51	0.16	
48	Botswana	3.56	57.16	0.66		120	Kenya	0.59	52.47	0.15	
49	Czech Republic	3.50	57.06	0.66		121	Croatia	0.55	52.40	0.14	○
50	Serbia	3.49	57.04	0.65		122	Yemen (2009)	0.49	52.31	0.14	
51	Moldova, Rep.	3.35	56.81	0.64		123	Italy	0.47	52.27	0.13	○
52	Oman (2009)	3.22	56.62	0.64		124	South Africa	0.43	52.21	0.12	○
53	Macedonia, FYR	3.22	56.61	0.63		125	Burkina Faso	0.42	52.20	0.11	
54	Bolivia, Plurinational St.	3.17	56.53	0.62	●	126	Nepal (2009)	0.30	52.00	0.11	
55	Tunisia	3.16	56.52	0.61		127	Ecuador	0.29	51.99	0.10	○
56	Dominican Republic	3.14	56.49	0.61	●	128	Tajikistan	0.28	51.97	0.09	
57	Nigeria	3.12	56.46	0.60	●	129	Burundi	0.05	51.61	0.09	
58	China	3.12	56.46	0.59		130	Cameroon	-0.00	51.53	0.08	
59	Brunei Darussalam (2009)	3.03	56.32	0.59		131	Korea, Rep.	-0.01	51.51	0.07	○
60	Australia (2009)	2.95	56.18	0.58		132	Japan	-0.02	51.49	0.06	○
61	Egypt	2.92	56.14	0.57		133	El Salvador	-0.03	51.49	0.06	○
62	Russian Federation	2.90	56.10	0.56		134	Denmark	-0.22	51.18	0.05	○
63	Norway	2.84	56.02	0.56	○	135	Venezuela, Bolivarian Rep.	-0.36	50.97	0.04	
64	Malawi	2.74	55.86	0.55		136	New Zealand (2009)	-0.99	49.96	0.04	○
65	Trinidad and Tobago	2.67	55.74	0.54		137	Switzerland	-1.18	49.67	0.03	○
66	Belarus	2.56	55.58	0.54		138	Netherlands	-2.27	47.95	0.02	○
67	Swaziland	2.54	55.55	0.53		139	Angola	-3.82	45.49	0.01	○
68	Israel	2.37	55.27	0.52		140	Austria	-7.02	40.45	0.01	○
69	Colombia	2.35	55.24	0.51		141	Hungary	-32.64	0.00	0.00	○
70	Syrian Arab Rep.	2.33	55.22	0.51	●						
71	Paraguay	2.33	55.21	0.50							
72	Brazil	2.32	55.19	0.49							

SOURCE: International Monetary Fund; World Bank and OECD GDP estimates, World Bank World Development Indicators database (2009–10)

6.1.1

National office patent applications

Number of resident patent applications at the national patent office (per billion PPP\$ GDP) | 2010

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Korea, Rep.	89.90	100.00	0.97	●	73	Benin (2005)	0.67	2.48	0.34	
1	Japan	67.09	100.00	0.97	●	74	Tajikistan	0.61	2.25	0.33	
1	China	28.96	100.00	0.97	●	75	Mexico	0.61	2.24	0.32	
1	Switzerland	25.60	100.00	0.97	●	76	Zambia (2001)	0.59	2.16	0.31	
5	Germany	25.27	98.71	0.96	●	77	Cameroon (2005)	0.57	2.11	0.30	
6	Finland	17.95	70.10	0.95		78	Paraguay	0.54	1.98	0.29	
7	Denmark	17.20	67.14	0.94		79	Uruguay	0.48	1.73	0.28	
8	United States of America	16.66	65.03	0.94		80	Saudi Arabia	0.46	1.67	0.28	
9	Sweden	16.15	63.06	0.93		81	Madagascar	0.45	1.63	0.27	
10	Belarus	14.22	55.51	0.92	●	82	Philippines	0.45	1.63	0.26	
11	New Zealand	13.37	52.18	0.91		83	Belize (2006)	0.43	1.56	0.25	
12	Russian Federation	13.01	50.75	0.90	●	84	Togo (2005)	0.43	1.55	0.24	
13	Austria	12.45	48.58	0.89		85	Hong Kong (China)	0.41	1.45	0.23	○
14	Luxembourg	12.16	47.45	0.88		86	Senegal (2005)	0.38	1.37	0.22	
15	Moldova, Rep.	11.80	46.02	0.87	●	87	Indonesia (2006)	0.38	1.33	0.21	
16	Kyrgyzstan	11.53	44.98	0.86	●	88	Dominican Republic	0.35	1.25	0.20	
17	France	11.37	44.35	0.85		89	Honduras (2002)	0.33	1.16	0.19	
18	Slovenia	10.18	39.70	0.84		90	Yemen	0.31	1.10	0.18	
19	Mongolia	9.93	38.72	0.83		91	Colombia	0.30	1.06	0.17	○
20	United Kingdom	9.58	37.33	0.83		92	Algeria	0.30	1.05	0.17	
21	Iceland	9.20	35.84	0.82		93	Turkey	0.29	1.01	0.16	○
22	Netherlands	8.75	34.09	0.81		94	Bangladesh	0.25	0.86	0.15	
23	Iran, Islamic Rep. (2006)	8.61	33.55	0.80	●	95	Mali (2005)	0.25	0.84	0.14	
24	Armenia	8.38	32.65	0.79	●	96	Côte d'Ivoire (2005)	0.23	0.78	0.13	
25	Ukraine	8.34	32.47	0.78	●	97	Azerbaijan	0.23	0.77	0.12	
26	Georgia	7.95	30.97	0.77		98	Gabon (2005)	0.22	0.74	0.11	
27	Ireland	7.07	27.52	0.76		99	Ethiopia (2007)	0.19	0.62	0.10	
28	Belgium	6.72	26.14	0.75		100	Uganda (2007)	0.18	0.58	0.09	
29	Israel	6.59	25.65	0.74		101	Pakistan (2009)	0.17	0.53	0.08	
30	Latvia	6.47	25.18	0.73		102	Costa Rica	0.16	0.47	0.07	○
31	Norway	6.40	24.91	0.72		103	Peru	0.14	0.42	0.06	○
32	Romania	5.48	21.29	0.72		104	Mauritius	0.11	0.30	0.06	○
33	Poland	4.71	18.30	0.71		105	Kazakhstan	0.10	0.26	0.05	○
34	Estonia	4.48	17.40	0.70		106	Guatemala	0.10	0.25	0.04	○
35	Uzbekistan	4.30	16.67	0.69	●	107	Burkina Faso	0.10	0.25	0.03	○
36	Malta	4.13	16.00	0.68		108	Sudan (2007)	0.04	0.01	0.02	○
37	Hungary	3.99	15.46	0.67		109	Trinidad and Tobago (2008)	0.04	0.01	0.01	○
38	Czech Republic	3.94	15.28	0.66		110	Ecuador	0.03	0.00	0.00	○
39	Serbia	3.82	14.83	0.65		n/a	Albania	n/a	n/a	n/a	
40	Spain	3.64	14.12	0.64		n/a	Angola	n/a	n/a	n/a	
41	Croatia	3.49	13.54	0.63		n/a	Bahrain	n/a	n/a	n/a	
42	Canada	3.41	13.21	0.62		n/a	Bolivia, Plurinational St.	n/a	n/a	n/a	
43	Montenegro	3.41	13.20	0.61		n/a	Botswana	n/a	n/a	n/a	
44	Singapore	3.06	11.82	0.61		n/a	Brunei Darussalam	n/a	n/a	n/a	
45	Malaysia	2.96	11.44	0.60		n/a	Burundi	n/a	n/a	n/a	
46	Australia	2.73	10.53	0.59		n/a	Cambodia	n/a	n/a	n/a	
47	Bulgaria	2.60	10.02	0.58		n/a	El Salvador	n/a	n/a	n/a	
48	Greece	2.55	9.84	0.57		n/a	Fiji	n/a	n/a	n/a	
49	Portugal	2.34	9.03	0.56		n/a	Gambia	n/a	n/a	n/a	
50	Italy	2.30	8.85	0.55		n/a	Ghana	n/a	n/a	n/a	
51	Slovakia	2.14	8.24	0.54		n/a	Guyana	n/a	n/a	n/a	
52	Sri Lanka	2.13	8.21	0.53		n/a	Kuwait	n/a	n/a	n/a	
53	Lithuania	2.06	7.93	0.52		n/a	Lao PDR	n/a	n/a	n/a	
54	Thailand	2.06	7.93	0.51		n/a	Lebanon	n/a	n/a	n/a	
55	India (2009)	1.99	7.66	0.50		n/a	Lesotho	n/a	n/a	n/a	
56	Bosnia and Herzegovina	1.84	7.06	0.50		n/a	Malawi	n/a	n/a	n/a	
57	Macedonia, FYR (2008)	1.73	6.63	0.49		n/a	Namibia	n/a	n/a	n/a	
58	Argentina	1.72	6.59	0.48		n/a	Nepal	n/a	n/a	n/a	
59	Cyprus	1.68	6.42	0.47		n/a	Nicaragua	n/a	n/a	n/a	
60	South Africa	1.56	5.97	0.46		n/a	Nigeria	n/a	n/a	n/a	
61	Syrian Arab Rep. (2006)	1.50	5.71	0.45		n/a	Oman	n/a	n/a	n/a	
62	Jordan	1.28	4.86	0.44		n/a	Panama	n/a	n/a	n/a	
63	Chile	1.27	4.83	0.43		n/a	Qatar	n/a	n/a	n/a	
64	Brazil	1.24	4.72	0.42		n/a	Rwanda	n/a	n/a	n/a	
65	Egypt	1.21	4.61	0.41		n/a	Swaziland	n/a	n/a	n/a	
66	Kenya	1.16	4.39	0.40		n/a	Tanzania, United Rep.	n/a	n/a	n/a	
67	Viet Nam	1.10	4.18	0.39		n/a	United Arab Emirates	n/a	n/a	n/a	
68	Mozambique (2007)	1.05	3.95	0.39		n/a	Venezuela, Bolivarian Rep.	n/a	n/a	n/a	
69	Morocco	1.00	3.76	0.38		n/a	Zimbabwe	n/a	n/a	n/a	
70	Jamaica (2006)	0.91	3.44	0.37							
71	Tunisia (2005)	0.78	2.91	0.36							
72	Niger (2005)	0.77	2.86	0.35							

SOURCE: World Intellectual Property Organization, *WIPO Statistics Database*; World Bank and OECD GDP estimates, *World Bank World Development Indicators database* (2001–10)

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Switzerland	11.73	100.00	1.00	●	73	Moldova, Rep. (2010)	0.09	47.12	0.34	
2	Finland	10.49	98.80	0.99	●	74	Kazakhstan	0.09	46.82	0.33	
3	Sweden	9.12	97.31	0.98	●	75	Mongolia	0.08	45.53	0.32	
4	Japan	8.85	96.99	0.97	●	76	Senegal	0.08	45.42	0.31	
5	Korea, Rep.	6.71	94.04	0.96	●	77	Tunisia	0.08	45.41	0.30	
6	Denmark	6.28	93.32	0.95		78	Benin (2008)	0.08	45.20	0.29	
7	Israel	6.17	93.13	0.94		79	Kyrgyzstan	0.08	45.01	0.28	
8	Germany	6.01	92.86	0.94	●	80	Romania	0.08	44.97	0.28	
9	Luxembourg	5.63	92.17	0.93		81	Dominican Republic	0.06	42.99	0.27	
10	Netherlands	4.94	90.77	0.92		82	Egypt	0.06	42.93	0.26	
11	Austria	3.82	88.01	0.91		83	Cameroon	0.06	42.85	0.25	
12	Iceland	3.54	87.21	0.90		84	Viet Nam	0.06	42.16	0.24	
13	France	3.46	86.94	0.89		85	Côte d'Ivoire	0.06	41.31	0.23	
14	United States of America	3.23	86.20	0.88		86	Burkina Faso (2008)	0.06	41.22	0.22	
15	Belgium	2.87	84.97	0.87		87	Costa Rica	0.06	41.08	0.21	
16	Norway	2.67	84.16	0.86		88	Nicaragua	0.05	40.68	0.20	
17	New Zealand	2.62	83.96	0.85		89	Oman (2010)	0.05	40.52	0.19	○
18	Ireland	2.33	82.70	0.84		90	Zambia (2010)	0.05	39.80	0.18	
19	United Kingdom	2.15	81.86	0.83		91	Syrian Arab Rep.	0.05	38.90	0.17	
20	Slovenia	2.14	81.79	0.83		92	Philippines	0.05	38.70	0.17	
21	Singapore	2.13	81.76	0.82		93	Uganda	0.04	38.07	0.16	
22	Canada	2.10	81.61	0.81		94	Azerbaijan	0.04	37.89	0.15	
23	Australia	1.89	80.50	0.80		95	Albania (2010)	0.04	37.54	0.14	
24	Belize	1.78	79.85	0.79		96	Trinidad and Tobago (2010)	0.04	36.42	0.13	○
25	Malta	1.65	79.02	0.78		97	Botswana (2010)	0.04	35.51	0.12	○
26	Italy	1.46	77.71	0.77		98	Bahrain (2010)	0.03	34.54	0.11	○
27	China	1.45	77.63	0.76		99	Honduras (2009)	0.03	33.33	0.10	○
28	Estonia	1.30	76.45	0.75		100	Guatemala (2010)	0.03	32.11	0.09	
29	Spain	1.22	75.79	0.74		101	Ghana	0.03	31.19	0.08	○
30	Namibia	1.16	75.21	0.73		102	El Salvador	0.02	28.30	0.07	○
31	Cyprus	1.09	74.62	0.72		103	Sudan	0.02	26.89	0.06	
32	Hungary	0.72	70.16	0.72		104	Peru	0.02	26.40	0.06	○
33	Croatia	0.59	68.00	0.71		105	Tanzania, United Rep. (2008)	0.02	26.24	0.05	
34	Malaysia	0.59	67.99	0.70		106	Algeria	0.02	20.77	0.04	○
35	South Africa	0.55	67.28	0.69		107	Nigeria	0.01	14.57	0.03	○
36	Czech Republic	0.55	67.18	0.68		108	Indonesia	0.01	13.22	0.02	○
37	Turkey	0.51	66.44	0.67		109	Uzbekistan	0.01	9.75	0.01	○
38	Togo (2003)	0.50	66.17	0.66	●	110	Angola (2010)	0.01	0.00	0.00	○
39	Latvia	0.49	65.96	0.65		n/a	Argentina	n/a	n/a	n/a	
40	Slovakia	0.47	65.53	0.64		n/a	Bangladesh	n/a	n/a	n/a	
41	Ukraine	0.42	64.28	0.63		n/a	Bolivia, Plurinational St.	n/a	n/a	n/a	
42	Chile	0.42	64.25	0.62		n/a	Brunei Darussalam	n/a	n/a	n/a	
43	Lithuania	0.41	63.92	0.61		n/a	Burundi	n/a	n/a	n/a	
44	Russian Federation	0.41	63.88	0.61		n/a	Cambodia	n/a	n/a	n/a	
45	Portugal	0.39	63.40	0.60		n/a	Ethiopia	n/a	n/a	n/a	
46	Zimbabwe	0.34	61.87	0.59		n/a	Fiji	n/a	n/a	n/a	
47	Armenia	0.33	61.76	0.58		n/a	Gambia	n/a	n/a	n/a	
48	Swaziland	0.33	61.58	0.57		n/a	Guyana	n/a	n/a	n/a	
49	India	0.32	61.29	0.56		n/a	Hong Kong (China)	n/a	n/a	n/a	
50	Poland	0.31	60.96	0.55		n/a	Iran, Islamic Rep.	n/a	n/a	n/a	
51	Greece	0.30	60.73	0.54		n/a	Jamaica	n/a	n/a	n/a	
52	Lao PDR	0.29	60.09	0.53	●	n/a	Jordan	n/a	n/a	n/a	
53	Montenegro	0.28	60.01	0.52		n/a	Kuwait	n/a	n/a	n/a	
54	Bulgaria	0.28	59.65	0.51		n/a	Lebanon	n/a	n/a	n/a	
55	Brazil	0.25	58.48	0.50		n/a	Lesotho	n/a	n/a	n/a	
56	Georgia	0.25	58.46	0.50		n/a	Malawi	n/a	n/a	n/a	
57	Serbia	0.24	58.15	0.49		n/a	Mauritius	n/a	n/a	n/a	
58	Ecuador	0.22	56.96	0.48		n/a	Mozambique	n/a	n/a	n/a	
59	Bosnia and Herzegovina	0.19	55.46	0.47		n/a	Nepal	n/a	n/a	n/a	
60	United Arab Emirates	0.15	52.84	0.46		n/a	Pakistan	n/a	n/a	n/a	
61	Mexico	0.14	51.85	0.45		n/a	Panama	n/a	n/a	n/a	
62	Kenya	0.13	50.88	0.44		n/a	Paraguay	n/a	n/a	n/a	
63	Gabon	0.12	50.67	0.43		n/a	Qatar	n/a	n/a	n/a	
64	Colombia	0.12	50.53	0.42		n/a	Rwanda	n/a	n/a	n/a	
65	Thailand	0.11	48.92	0.41		n/a	Saudi Arabia	n/a	n/a	n/a	
66	Morocco	0.10	48.73	0.40		n/a	Tajikistan	n/a	n/a	n/a	
67	Sri Lanka	0.10	48.72	0.39		n/a	Uruguay	n/a	n/a	n/a	
68	Belarus	0.10	48.17	0.39		n/a	Venezuela, Bolivarian Rep.	n/a	n/a	n/a	
69	Macedonia, FYR (2010)	0.10	48.09	0.38		n/a	Yemen	n/a	n/a	n/a	
70	Niger (2009)	0.10	48.03	0.37							
71	Madagascar	0.10	47.90	0.36							
72	Mali (2004)	0.09	47.24	0.35							

SOURCE: World Intellectual Property Organization, *WIPO Statistics Database*; World Bank and OECD GDP estimates, World Bank *World Development Indicators* database (2003–11)

6.1.3 National office utility model applications

Number of resident utility model applications at the national patent office (per billion PPP\$ GDP) | 2010

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank
1	China	40.24	100.00	0.95	●	n/a	Burundi	n/a	n/a	n/a
1	Ukraine	34.35	100.00	0.95	●	n/a	Cambodia	n/a	n/a	n/a
1	Moldova, Rep.	19.06	100.00	0.95	●	n/a	Cameroon	n/a	n/a	n/a
1	Mongolia	11.47	100.00	0.95	●	n/a	Canada	n/a	n/a	n/a
5	Tajikistan	9.94	86.63	0.93	●	n/a	Côte d'Ivoire	n/a	n/a	n/a
6	Korea, Rep.	9.00	78.39	0.92		n/a	Cyprus	n/a	n/a	n/a
7	Belarus	7.84	68.23	0.90	●	n/a	Dominican Republic	n/a	n/a	n/a
8	Estonia	6.38	55.47	0.89		n/a	Egypt	n/a	n/a	n/a
9	Czech Republic	5.88	51.11	0.87		n/a	El Salvador	n/a	n/a	n/a
10	Russian Federation	5.27	45.75	0.85	●	n/a	Fiji	n/a	n/a	n/a
11	Germany	4.65	40.33	0.84		n/a	Gabon	n/a	n/a	n/a
12	Turkey (2009)	3.23	27.91	0.82	●	n/a	Gambia	n/a	n/a	n/a
13	Finland (2006)	2.86	24.63	0.80		n/a	Ghana	n/a	n/a	n/a
14	Georgia	2.75	23.73	0.79		n/a	Guyana	n/a	n/a	n/a
15	Slovakia	2.54	21.84	0.77		n/a	Iceland	n/a	n/a	n/a
16	Armenia	2.44	20.95	0.75		n/a	India	n/a	n/a	n/a
17	Thailand	2.20	18.83	0.74		n/a	Iran, Islamic Rep.	n/a	n/a	n/a
18	Austria	2.03	17.41	0.72		n/a	Ireland	n/a	n/a	n/a
19	Uzbekistan	1.90	16.29	0.70	●	n/a	Israel	n/a	n/a	n/a
20	Spain	1.83	15.66	0.69		n/a	Jamaica	n/a	n/a	n/a
21	Bulgaria	1.70	14.50	0.67		n/a	Jordan	n/a	n/a	n/a
22	Philippines	1.60	13.61	0.66		n/a	Kuwait	n/a	n/a	n/a
23	Japan	1.59	13.57	0.64		n/a	Lao PDR	n/a	n/a	n/a
24	Hungary	1.33	11.26	0.62		n/a	Latvia	n/a	n/a	n/a
25	Serbia	1.28	10.81	0.61		n/a	Lebanon	n/a	n/a	n/a
26	Australia	1.27	10.77	0.59		n/a	Lesotho	n/a	n/a	n/a
27	Croatia	1.23	10.41	0.57		n/a	Lithuania	n/a	n/a	n/a
28	Poland	1.22	10.26	0.56		n/a	Luxembourg	n/a	n/a	n/a
29	Italy (2009)	1.21	10.25	0.54		n/a	Macedonia, FYR	n/a	n/a	n/a
30	Hong Kong (China)	1.18	9.92	0.52	○	n/a	Madagascar	n/a	n/a	n/a
31	Ethiopia (2007)	1.15	9.69	0.51	●	n/a	Malawi	n/a	n/a	n/a
32	Kyrgyzstan	1.00	8.33	0.49		n/a	Mali	n/a	n/a	n/a
33	Denmark	0.98	8.21	0.48	○	n/a	Malta	n/a	n/a	n/a
34	Uruguay	0.89	7.44	0.46		n/a	Mauritius	n/a	n/a	n/a
35	Brazil	0.88	7.36	0.44		n/a	Montenegro	n/a	n/a	n/a
36	Viet Nam	0.78	6.40	0.43		n/a	Morocco	n/a	n/a	n/a
37	Kazakhstan	0.45	3.56	0.41		n/a	Namibia	n/a	n/a	n/a
38	Zimbabwe (2008)	0.43	3.39	0.39		n/a	Nepal	n/a	n/a	n/a
39	Colombia	0.38	2.95	0.38		n/a	Netherlands	n/a	n/a	n/a
40	Portugal	0.38	2.94	0.36	○	n/a	New Zealand	n/a	n/a	n/a
41	Bosnia and Herzegovina (2003)	0.35	2.69	0.34		n/a	Nicaragua	n/a	n/a	n/a
42	Mexico	0.34	2.58	0.33		n/a	Niger	n/a	n/a	n/a
43	Indonesia (2006)	0.32	2.38	0.31		n/a	Nigeria	n/a	n/a	n/a
44	Argentina	0.29	2.18	0.30		n/a	Norway	n/a	n/a	n/a
45	Kenya (2003)	0.28	2.06	0.28		n/a	Oman	n/a	n/a	n/a
46	Peru	0.27	1.99	0.26		n/a	Pakistan	n/a	n/a	n/a
47	Romania	0.24	1.71	0.25		n/a	Paraguay	n/a	n/a	n/a
48	Chile	0.21	1.48	0.23	○	n/a	Qatar	n/a	n/a	n/a
49	Panama (2008)	0.20	1.40	0.21		n/a	Rwanda	n/a	n/a	n/a
50	Honduras (2003)	0.18	1.17	0.20		n/a	Saudi Arabia	n/a	n/a	n/a
51	Slovenia	0.16	1.01	0.18	○	n/a	Senegal	n/a	n/a	n/a
52	Ecuador	0.16	0.98	0.16		n/a	Singapore	n/a	n/a	n/a
53	Burkina Faso	0.15	0.90	0.15		n/a	South Africa	n/a	n/a	n/a
54	Guatemala	0.14	0.86	0.13		n/a	Sri Lanka	n/a	n/a	n/a
55	Costa Rica	0.14	0.81	0.11	○	n/a	Sudan	n/a	n/a	n/a
56	Mozambique (2007)	0.12	0.63	0.10		n/a	Swaziland	n/a	n/a	n/a
57	Azerbaijan (2008)	0.12	0.63	0.08	○	n/a	Sweden	n/a	n/a	n/a
58	Trinidad and Tobago (2003)	0.11	0.60	0.07	○	n/a	Switzerland	n/a	n/a	n/a
59	France (2009)	0.09	0.44	0.05	○	n/a	Syrian Arab Rep.	n/a	n/a	n/a
60	Malaysia (2008)	0.09	0.36	0.03	○	n/a	Tanzania, United Rep.	n/a	n/a	n/a
61	Greece	0.08	0.28	0.02	○	n/a	Togo	n/a	n/a	n/a
62	Albania (2009)	0.04	0.00	0.00	○	n/a	Tunisia	n/a	n/a	n/a
n/a	Algeria	n/a	n/a	n/a		n/a	Uganda	n/a	n/a	n/a
n/a	Angola	n/a	n/a	n/a		n/a	United Arab Emirates	n/a	n/a	n/a
n/a	Bahrain	n/a	n/a	n/a		n/a	United Kingdom	n/a	n/a	n/a
n/a	Bangladesh	n/a	n/a	n/a		n/a	United States of America	n/a	n/a	n/a
n/a	Belgium	n/a	n/a	n/a		n/a	Venezuela, Bolivarian Rep.	n/a	n/a	n/a
n/a	Belize	n/a	n/a	n/a		n/a	Yemen	n/a	n/a	n/a
n/a	Benin	n/a	n/a	n/a		n/a	Zambia	n/a	n/a	n/a
n/a	Bolivia, Plurinational St.	n/a	n/a	n/a						
n/a	Botswana	n/a	n/a	n/a						
n/a	Brunei Darussalam	n/a	n/a	n/a						

SOURCE: World Intellectual Property Organization, *WIPO Statistics Database*; World Bank and OECD GDP estimates, *World Bank World Development Indicators database (2003–10)*

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Israel	30.40	100.00	1.00	●	73	Tanzania, United Rep.	2.79	9.01	0.48	
2	Switzerland	30.11	99.06	0.99	●	74	Morocco	2.68	8.65	0.47	
3	Sweden	28.44	93.54	0.99	●	75	Burkina Faso	2.67	8.59	0.47	
4	New Zealand	27.66	90.97	0.98	●	76	Algeria	2.52	8.10	0.46	
5	Finland	27.64	90.92	0.97		77	Senegal	2.48	7.97	0.45	
6	Denmark	27.07	89.05	0.96	●	78	Pakistan	2.34	7.53	0.45	
7	Canada	22.71	74.65	0.96		79	Ethiopia	2.22	7.11	0.44	
8	Netherlands	22.45	73.80	0.95		80	Jamaica	2.14	6.85	0.43	
9	Slovenia	22.30	73.31	0.94	●	81	Bosnia and Herzegovina	2.13	6.84	0.42	
10	Australia	22.24	73.11	0.94	●	82	Costa Rica	2.02	6.46	0.42	
11	Estonia	21.82	71.73	0.93	●	83	Zambia	1.89	6.03	0.41	
12	United Kingdom	21.45	70.52	0.92		84	Trinidad and Tobago	1.84	5.88	0.40	
13	Iceland	21.34	70.16	0.91		85	Madagascar	1.78	5.66	0.40	
14	Belgium	18.82	61.85	0.91		86	Panama	1.77	5.65	0.39	
15	Norway	17.67	58.06	0.90		87	Uzbekistan	1.77	5.65	0.38	
16	Portugal	17.22	56.55	0.89	●	88	Azerbaijan	1.76	5.61	0.37	
17	Singapore	16.56	54.38	0.88		89	Botswana	1.75	5.58	0.37	
18	Korea, Rep.	16.31	53.57	0.88		90	Ghana	1.71	5.45	0.36	
19	Germany	16.01	52.58	0.87		91	Nepal	1.65	5.25	0.35	
20	Ireland	15.96	52.43	0.86		92	Kuwait	1.61	5.13	0.35	
21	Spain	15.85	52.05	0.86		93	Montenegro	1.61	5.10	0.34	
22	Serbia	15.79	51.86	0.85	●	94	Oman	1.58	5.02	0.33	
23	Czech Republic	15.58	51.17	0.84		95	Mali	1.57	4.98	0.32	
24	Italy	15.41	50.60	0.83		96	Côte d'Ivoire	1.56	4.96	0.32	
25	France	15.25	50.07	0.83		97	Niger	1.54	4.88	0.31	
26	Austria	14.97	49.14	0.82		98	Colombia	1.47	4.65	0.30	
27	United States of America	14.97	49.13	0.81		99	Mozambique	1.42	4.47	0.29	
28	Greece	14.82	48.65	0.81		100	Sri Lanka	1.40	4.41	0.29	
29	Croatia	14.79	48.54	0.80		101	Nigeria	1.34	4.21	0.28	
30	Hungary	13.01	42.68	0.79		102	Kyrgyzstan	1.28	4.01	0.27	
31	Japan	12.07	39.59	0.78		103	Swaziland	1.27	4.00	0.27	
32	Zimbabwe	11.29	37.03	0.78	●	104	Viet Nam	1.27	3.99	0.26	
33	Jordan	11.23	36.83	0.77		105	Bahrain	1.26	3.97	0.25	
34	Tunisia	10.69	35.05	0.76	●	106	Mauritius	1.25	3.91	0.24	○
35	Poland	10.68	35.01	0.76		107	Saudi Arabia	1.20	3.76	0.24	
36	Armenia	10.08	33.02	0.75		108	Togo	1.17	3.66	0.23	
37	Turkey	9.44	30.94	0.74	●	109	United Arab Emirates	1.12	3.49	0.22	○
38	Slovakia	8.73	28.59	0.73		110	Bangladesh	1.07	3.34	0.22	
39	Cyprus	8.58	28.08	0.73		111	Lesotho	1.07	3.33	0.21	
40	China	8.16	26.71	0.72		112	Rwanda	1.03	3.21	0.20	
41	Fiji	7.86	25.72	0.71	●	113	Venezuela, Bolivarian Rep.	1.00	3.11	0.19	
42	Moldova, Rep.	7.83	25.62	0.71		114	Bolivia, Plurinational St.	0.99	3.07	0.19	
43	Chile	7.69	25.14	0.70		115	Namibia	0.98	3.04	0.18	
44	Bulgaria	7.67	25.10	0.69		116	Cambodia	0.95	2.95	0.17	
45	Iran, Islamic Rep.	7.42	24.27	0.68	●	117	Tajikistan	0.87	2.69	0.17	
46	Lithuania	7.00	22.88	0.68		118	Gabon	0.85	2.62	0.16	
47	Russian Federation	6.61	21.59	0.67		119	Lao PDR	0.84	2.59	0.15	
48	Argentina	6.26	20.45	0.66		120	Burundi	0.80	2.45	0.14	
49	Georgia	6.15	20.07	0.65		121	Belize	0.78	2.36	0.14	
50	Brazil	6.14	20.05	0.65		122	Nicaragua	0.71	2.15	0.13	
51	Gambia	5.95	19.42	0.64	●	123	Sudan	0.71	2.15	0.12	
52	South Africa	5.67	18.48	0.63		124	Syrian Arab Rep.	0.69	2.09	0.12	
53	Ukraine	5.63	18.37	0.63		125	Philippines	0.66	1.98	0.11	
54	Uruguay	5.61	18.31	0.62		126	Peru	0.63	1.89	0.10	○
55	India	5.47	17.82	0.61		127	Ecuador	0.61	1.82	0.09	○
56	Romania	5.35	17.45	0.60		128	Brunei Darussalam	0.55	1.60	0.09	○
57	Latvia	5.00	16.27	0.60		129	Guyana	0.54	1.60	0.08	○
58	Egypt	4.79	15.59	0.59	●	130	Kazakhstan	0.54	1.59	0.07	○
59	Lebanon	4.68	15.23	0.58		131	Qatar	0.51	1.47	0.06	○
60	Kenya	4.66	15.15	0.58		132	Yemen	0.44	1.24	0.06	
61	Malawi	4.38	14.26	0.57	●	133	Paraguay	0.39	1.08	0.05	○
62	Mongolia	4.06	13.19	0.56		134	Albania	0.35	0.96	0.04	○
63	Malta	3.82	12.41	0.55		135	Guatemala	0.33	0.88	0.04	○
64	Thailand	3.76	12.21	0.55		136	Indonesia	0.27	0.70	0.03	○
65	Uganda	3.60	11.68	0.54		137	Honduras	0.19	0.43	0.02	○
66	Benin	3.55	11.50	0.53	●	138	El Salvador	0.13	0.24	0.01	○
67	Malaysia	3.52	11.40	0.53		139	Dominican Republic	0.08	0.06	0.01	○
68	Luxembourg	3.47	11.25	0.52		140	Angola	0.06	0.00	0.00	○
69	Cameroon	3.40	11.01	0.51	●	n/a	Hong Kong (China)	n/a	n/a	n/a	
70	Belarus	3.14	10.17	0.50							
71	Macedonia, FYR	2.90	9.38	0.50							
72	Mexico	2.81	9.08	0.49							

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, and The Patent Board™, special tabulations (2011) from Thomson Reuters, SCI and SSCI; World Bank and OECD GDP estimates, World Bank *World Development Indicators* database

6.2.1 Growth rate of GDP per person engaged

Growth rate of GDP per person engaged (constant 1990 US\$ at PPP, 2009 to 2010) | 2010

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Qatar.....	14.83	100.00	1.00	●	73	Syrian Arab Rep.....	1.99	36.93	0.38	
2	Singapore.....	13.57	93.78	0.99		74	Luxembourg.....	1.97	36.83	0.37	○
3	China.....	9.12	71.97	0.98	●	75	Oman.....	1.96	36.77	0.36	
4	Estonia.....	8.62	69.48	0.97	●	76	Pakistan.....	1.94	36.68	0.35	
5	Uruguay.....	7.60	64.47	0.97	●	77	Spain.....	1.81	36.08	0.34	○
6	Lithuania.....	7.33	63.18	0.96	●	78	Costa Rica.....	1.79	35.97	0.34	
7	Belarus.....	7.02	61.64	0.95	●	79	United Kingdom.....	1.75	35.75	0.33	○
8	Montenegro.....	6.57	59.41	0.93	●	80	New Zealand.....	1.64	35.22	0.32	○
8	Serbia.....	6.57	59.41	0.93	●	81	Albania.....	1.64	35.20	0.31	
10	Peru.....	6.09	57.09	0.92	●	82	Belgium.....	1.59	34.99	0.30	○
11	Sri Lanka.....	5.91	56.20	0.91	●	83	France.....	1.59	34.98	0.29	○
12	Slovakia.....	5.77	55.49	0.91	●	84	Bolivia, Plurinational St.....	1.56	34.81	0.28	
13	Thailand.....	5.72	55.26	0.90	●	85	Algeria.....	1.46	34.34	0.28	
14	India.....	5.55	54.44	0.89	●	86	Kenya.....	1.45	34.29	0.27	
15	Zimbabwe.....	5.55	54.42	0.88	●	87	Trinidad and Tobago.....	1.43	34.19	0.26	
16	Bulgaria.....	5.43	53.82	0.87	●	88	Hungary.....	1.42	34.13	0.25	○
17	Uzbekistan.....	5.36	53.51	0.86	●	89	Italy.....	1.41	34.09	0.24	○
18	Hong Kong (China).....	5.13	52.37	0.85		90	Austria.....	1.30	33.57	0.23	○
19	Georgia.....	5.09	52.15	0.84	●	91	Canada.....	1.27	33.41	0.22	○
20	Korea, Rep.....	4.92	51.31	0.84		92	Cyprus.....	1.26	33.36	0.22	○
21	Latvia.....	4.88	51.12	0.83		93	Australia.....	0.96	31.88	0.21	○
22	Nigeria.....	4.86	51.05	0.82	●	94	Burkina Faso.....	0.86	31.39	0.20	
23	Ethiopia.....	4.85	50.98	0.81	●	95	Senegal.....	0.84	31.29	0.19	
24	Malaysia.....	4.65	49.99	0.80		96	Ecuador.....	0.77	30.94	0.18	
25	Philippines.....	4.61	49.80	0.79	●	97	Saudi Arabia.....	0.69	30.56	0.17	○
26	Argentina.....	4.37	48.61	0.78		98	Jordan.....	0.68	30.50	0.16	○
27	Viet Nam.....	4.32	48.36	0.78		99	Malta.....	0.54	29.84	0.16	○
28	Mozambique.....	4.23	47.92	0.77	●	100	Norway.....	0.44	29.34	0.15	○
29	Yemen.....	4.21	47.86	0.76	●	101	Israel.....	0.34	28.83	0.14	○
30	Kazakhstan.....	4.13	47.43	0.75		102	Côte d'Ivoire.....	0.27	28.50	0.13	
31	Brazil.....	4.10	47.28	0.74		103	Macedonia, FYR.....	0.15	27.93	0.12	○
32	Denmark.....	3.98	46.72	0.73		104	Cameroon.....	0.03	27.34	0.11	
33	Chile.....	3.96	46.60	0.72		105	Bosnia and Herzegovina.....	-0.18	26.29	0.10	○
34	Ukraine.....	3.96	46.60	0.72		106	Niger.....	-0.20	26.21	0.09	
35	Japan.....	3.88	46.20	0.71		107	Iran, Islamic Rep.....	-0.64	24.01	0.09	
36	Indonesia.....	3.87	46.15	0.70	●	108	Guatemala.....	-0.82	23.16	0.08	
37	Zambia.....	3.72	45.44	0.69	●	109	Romania.....	-1.13	21.62	0.07	○
38	Czech Republic.....	3.71	45.38	0.68		110	United Arab Emirates.....	-1.43	20.17	0.06	○
39	Ireland.....	3.57	44.68	0.67		111	Kuwait.....	-1.45	20.03	0.05	○
40	Slovenia.....	3.50	44.34	0.66		112	Greece.....	-1.54	19.61	0.04	○
41	Tanzania, United Rep.....	3.48	44.25	0.66	●	113	Jamaica.....	-1.72	18.74	0.03	○
42	United States of America.....	3.46	44.16	0.65		114	Iceland.....	-2.87	13.05	0.03	○
43	Dominican Republic.....	3.44	44.08	0.64	●	115	Venezuela, Bolivarian Rep.....	-3.44	10.26	0.02	○
44	Bangladesh.....	3.43	44.03	0.63	●	116	Madagascar.....	-5.29	1.20	0.01	○
45	Angola.....	3.43	44.01	0.62	●	117	Kyrgyzstan.....	-5.53	0.00	0.00	○
46	Sweden.....	3.24	43.08	0.61		n/a	Belize.....	n/a	n/a	n/a	
47	Russian Federation.....	3.19	42.85	0.60		n/a	Benin.....	n/a	n/a	n/a	
48	Mexico.....	3.19	42.84	0.59		n/a	Botswana.....	n/a	n/a	n/a	
49	Germany.....	3.09	42.34	0.59		n/a	Brunei Darussalam.....	n/a	n/a	n/a	
50	Finland.....	2.99	41.87	0.58		n/a	Burundi.....	n/a	n/a	n/a	
51	Croatia.....	2.97	41.77	0.57		n/a	El Salvador.....	n/a	n/a	n/a	
52	Egypt.....	2.93	41.55	0.56		n/a	Fiji.....	n/a	n/a	n/a	
53	Malawi.....	2.89	41.38	0.55	●	n/a	Gabon.....	n/a	n/a	n/a	
54	Armenia.....	2.89	41.36	0.54		n/a	Gambia.....	n/a	n/a	n/a	
55	Colombia.....	2.77	40.75	0.53		n/a	Guyana.....	n/a	n/a	n/a	
56	Moldova, Rep.....	2.70	40.41	0.53		n/a	Honduras.....	n/a	n/a	n/a	
57	Tajikistan.....	2.69	40.35	0.52		n/a	Lao PDR.....	n/a	n/a	n/a	
58	Portugal.....	2.67	40.28	0.51		n/a	Lebanon.....	n/a	n/a	n/a	
59	Poland.....	2.54	39.62	0.50		n/a	Lesotho.....	n/a	n/a	n/a	
60	Uganda.....	2.38	38.87	0.49		n/a	Mauritius.....	n/a	n/a	n/a	
61	Netherlands.....	2.35	38.73	0.48	○	n/a	Mongolia.....	n/a	n/a	n/a	
62	Azerbaijan.....	2.32	38.58	0.47		n/a	Namibia.....	n/a	n/a	n/a	
63	Morocco.....	2.27	38.34	0.47		n/a	Nepal.....	n/a	n/a	n/a	
64	Ghana.....	2.26	38.27	0.46		n/a	Nicaragua.....	n/a	n/a	n/a	
65	Sudan.....	2.24	38.16	0.45		n/a	Panama.....	n/a	n/a	n/a	
66	Mali.....	2.20	37.98	0.44		n/a	Paraguay.....	n/a	n/a	n/a	
67	Turkey.....	2.19	37.91	0.43		n/a	Rwanda.....	n/a	n/a	n/a	
68	Bahrain.....	2.11	37.54	0.42		n/a	Swaziland.....	n/a	n/a	n/a	
69	Cambodia.....	2.10	37.48	0.41		n/a	Togo.....	n/a	n/a	n/a	
70	Tunisia.....	2.09	37.43	0.41							
71	Switzerland.....	2.07	37.33	0.40	○						
72	South Africa.....	2.03	37.14	0.39							

SOURCE: International Labour Organization, *LABORSTA Database of Labor Statistics*

6.2.2 New business density

New business density (new registrations per thousand population 15–64 years old)^a | 2009

389

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Cyprus	20.30	100.00	0.97	●	73	Uganda	0.72	5.58	0.28	
1	Hong Kong (China)	19.19	100.00	0.97	●	74	Ghana (2007)	0.72	5.55	0.27	
1	New Zealand	17.08	100.00	0.97	●	75	Guatemala	0.68	5.28	0.26	
1	Iceland	12.84	100.00	0.97	●	76	Mexico	0.61	4.75	0.25	○
5	Malta	9.52	74.14	0.96	●	77	Ukraine	0.60	4.65	0.24	
6	Costa Rica	8.78	68.34	0.95	●	78	Thailand	0.59	4.58	0.23	○
7	Estonia (2007)	8.10	63.09	0.94	●	79	Austria	0.58	4.51	0.22	○
8	United Kingdom	8.05	62.66	0.93		80	Bosnia and Herzegovina	0.58	4.50	0.21	
9	Canada	7.56	58.86	0.92		81	Poland	0.52	4.05	0.20	○
10	Singapore	7.40	57.59	0.91		82	Rwanda	0.51	3.98	0.19	
11	Luxembourg (2007)	7.38	57.45	0.90		83	Tajikistan	0.48	3.68	0.18	
12	Mauritius	7.33	57.05	0.89	●	84	Argentina	0.46	3.55	0.17	
13	Bulgaria	7.20	56.08	0.88	●	85	Algeria	0.44	3.43	0.16	
14	Australia (2007)	6.38	49.70	0.87		86	Bolivia, Plurinational St.	0.43	3.30	0.15	
15	Hungary	6.26	48.74	0.86		87	Sri Lanka	0.29	2.24	0.14	
16	Macedonia, FYR	5.63	43.84	0.85	●	88	Panama	0.26	1.96	0.13	
17	Switzerland	4.88	37.97	0.84		89	Senegal	0.22	1.67	0.12	
18	Ireland	4.67	36.39	0.83		90	Cambodia	0.22	1.66	0.11	
19	Latvia	4.62	35.94	0.82		91	Philippines	0.19	1.47	0.10	○
20	Denmark	4.57	35.55	0.81		92	Indonesia	0.18	1.40	0.09	○
21	Norway (2008)	4.49	34.93	0.80		93	Egypt (2008)	0.13	0.99	0.08	○
22	Israel (2008)	4.46	34.74	0.79		94	India (2008)	0.12	0.88	0.07	○
23	Belgium	4.28	33.33	0.78		95	Malawi	0.08	0.59	0.06	○
24	Gabon	4.27	33.24	0.77	●	96	Burkina Faso	0.08	0.56	0.05	
25	Slovenia	4.16	32.38	0.76		97	Madagascar	0.07	0.49	0.04	○
26	Sweden	4.09	31.80	0.75		98	Togo (2008)	0.04	0.27	0.03	○
27	Slovakia	4.04	31.43	0.74		99	Ethiopia	0.03	0.21	0.02	
28	Portugal	3.92	30.51	0.73		100	Pakistan	0.03	0.18	0.01	○
29	Romania	3.66	28.48	0.72		101	Niger	0.00	0.00	0.00	○
30	Finland	3.37	26.23	0.71		n/a	Angola	n/a	n/a	n/a	
31	Netherlands	3.10	24.12	0.70		n/a	Bahrain	n/a	n/a	n/a	
32	France	3.08	23.94	0.69		n/a	Bangladesh	n/a	n/a	n/a	
33	Belize	3.01	23.45	0.68		n/a	Benin	n/a	n/a	n/a	
34	Czech Republic	3.00	23.32	0.67		n/a	Botswana	n/a	n/a	n/a	
35	Spain	2.92	22.73	0.66		n/a	Brunei Darussalam	n/a	n/a	n/a	
36	Peru	2.65	20.65	0.65		n/a	Burundi	n/a	n/a	n/a	
37	Russian Federation	2.61	20.32	0.64		n/a	Cameroon	n/a	n/a	n/a	
38	Kazakhstan	2.59	20.13	0.63		n/a	China	n/a	n/a	n/a	
39	Croatia	2.57	20.03	0.62		n/a	Côte d'Ivoire	n/a	n/a	n/a	
40	Malaysia	2.55	19.81	0.61		n/a	Ecuador	n/a	n/a	n/a	
41	Brazil	2.38	18.48	0.60		n/a	Fiji	n/a	n/a	n/a	
42	Georgia	2.32	18.02	0.59		n/a	Gambia	n/a	n/a	n/a	
43	Lithuania	2.18	16.96	0.58		n/a	Guyana	n/a	n/a	n/a	
44	Dominican Republic	2.13	16.57	0.57		n/a	Honduras	n/a	n/a	n/a	
45	Chile (2008)	2.12	16.46	0.56		n/a	Iran, Islamic Rep.	n/a	n/a	n/a	
46	Uruguay	2.08	16.15	0.55		n/a	Kuwait	n/a	n/a	n/a	
47	Serbia	1.94	15.09	0.54		n/a	Lao PDR	n/a	n/a	n/a	
48	Italy	1.78	13.83	0.53		n/a	Lebanon	n/a	n/a	n/a	
49	Korea, Rep. (2008)	1.72	13.39	0.52		n/a	Lesotho	n/a	n/a	n/a	
50	Oman	1.67	13.02	0.51		n/a	Mali	n/a	n/a	n/a	
51	Moldova, Rep.	1.32	10.26	0.50		n/a	Mongolia	n/a	n/a	n/a	
52	Japan (2008)	1.28	9.97	0.49		n/a	Mozambique	n/a	n/a	n/a	
53	Morocco	1.28	9.94	0.48		n/a	Namibia	n/a	n/a	n/a	
54	Armenia	1.28	9.93	0.47		n/a	Nepal	n/a	n/a	n/a	
55	Kyrgyzstan	1.26	9.78	0.46		n/a	Nicaragua	n/a	n/a	n/a	
56	Tunisia	1.23	9.59	0.45		n/a	Paraguay	n/a	n/a	n/a	
57	Germany (2008)	1.19	9.24	0.44	○	n/a	Qatar	n/a	n/a	n/a	
58	El Salvador	1.19	9.22	0.43		n/a	Saudi Arabia	n/a	n/a	n/a	
59	Greece (2007)	1.18	9.17	0.42		n/a	Sudan	n/a	n/a	n/a	
60	Jamaica	1.16	9.01	0.41		n/a	Swaziland	n/a	n/a	n/a	
61	Colombia	1.07	8.33	0.40		n/a	Syrian Arab Rep.	n/a	n/a	n/a	
62	Azerbaijan	0.93	7.22	0.39		n/a	Tanzania, United Rep.	n/a	n/a	n/a	
63	Montenegro	0.92	7.16	0.38		n/a	Trinidad and Tobago	n/a	n/a	n/a	
64	Zambia	0.88	6.85	0.37		n/a	United Arab Emirates	n/a	n/a	n/a	
65	Turkey	0.87	6.74	0.36		n/a	United States of America	n/a	n/a	n/a	
66	Kenya (2008)	0.85	6.63	0.35		n/a	Venezuela, Bolivarian Rep.	n/a	n/a	n/a	
67	Albania	0.84	6.50	0.34		n/a	Viet Nam	n/a	n/a	n/a	
68	Belarus	0.80	6.21	0.33		n/a	Yemen	n/a	n/a	n/a	
69	Nigeria	0.79	6.10	0.32		n/a	Zimbabwe	n/a	n/a	n/a	
70	Uzbekistan	0.78	6.05	0.31							
71	South Africa	0.77	5.94	0.30							
72	Jordan	0.74	5.70	0.29							

SOURCE: International Finance Corporation, World Bank World Development Indicators database (2007–09)

6.2.3 Total computer software spending

Total computer software spending (% of GDP)^a | 2011

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Czech Republic	1.34	100.00	1.00	●	73	Sri Lanka	0.01	0.10	0.01	○
2	Switzerland	1.20	90.15	0.99		74	Zimbabwe	0.00	0.00	0.00	○
3	Netherlands	1.13	84.35	0.97	●	n/a	Albania	n/a	n/a	n/a	
4	Ireland	0.97	72.76	0.96		n/a	Angola	n/a	n/a	n/a	
5	United Kingdom	0.97	72.44	0.95		n/a	Armenia	n/a	n/a	n/a	
6	Hungary	0.96	71.85	0.93	●	n/a	Azerbaijan	n/a	n/a	n/a	
7	United States of America	0.92	68.73	0.92		n/a	Bahrain	n/a	n/a	n/a	
8	Finland	0.87	64.99	0.90		n/a	Belarus	n/a	n/a	n/a	
9	Sweden	0.84	62.80	0.89		n/a	Belize	n/a	n/a	n/a	
10	Denmark	0.82	61.35	0.88		n/a	Benin	n/a	n/a	n/a	
11	Austria	0.79	59.00	0.86		n/a	Bosnia and Herzegovina	n/a	n/a	n/a	
12	Belgium	0.78	58.33	0.85		n/a	Botswana	n/a	n/a	n/a	
13	Spain	0.68	50.98	0.84		n/a	Brunei Darussalam	n/a	n/a	n/a	
14	South Africa	0.67	50.29	0.82	●	n/a	Burkina Faso	n/a	n/a	n/a	
15	Germany	0.67	49.81	0.81		n/a	Burundi	n/a	n/a	n/a	
16	France	0.62	46.31	0.79		n/a	Cambodia	n/a	n/a	n/a	
17	Canada	0.60	45.00	0.78		n/a	Côte d'Ivoire	n/a	n/a	n/a	
18	Norway	0.58	43.58	0.77		n/a	Croatia	n/a	n/a	n/a	
19	Thailand	0.58	43.14	0.75		n/a	Cyprus	n/a	n/a	n/a	
20	Portugal	0.57	42.74	0.74		n/a	Dominican Republic	n/a	n/a	n/a	
21	Italy	0.51	37.67	0.73		n/a	El Salvador	n/a	n/a	n/a	
22	Slovenia	0.51	37.64	0.71		n/a	Estonia	n/a	n/a	n/a	
23	Singapore	0.45	33.50	0.70		n/a	Ethiopia	n/a	n/a	n/a	
24	Slovakia	0.43	31.98	0.68		n/a	Fiji	n/a	n/a	n/a	
25	Poland	0.41	30.73	0.67		n/a	Gabon	n/a	n/a	n/a	
26	Israel	0.38	28.20	0.66		n/a	Gambia	n/a	n/a	n/a	
27	Greece	0.35	25.94	0.64		n/a	Georgia	n/a	n/a	n/a	
28	Kenya	0.31	22.75	0.63		n/a	Ghana	n/a	n/a	n/a	
29	Malaysia	0.31	22.61	0.62		n/a	Guatemala	n/a	n/a	n/a	
30	Australia	0.28	20.97	0.60		n/a	Guyana	n/a	n/a	n/a	
31	Ukraine	0.27	20.24	0.59		n/a	Iceland	n/a	n/a	n/a	
32	China	0.27	19.76	0.58		n/a	Kazakhstan	n/a	n/a	n/a	
33	Japan	0.25	18.64	0.56		n/a	Kyrgyzstan	n/a	n/a	n/a	
34	Bulgaria	0.25	18.27	0.55		n/a	Lao PDR	n/a	n/a	n/a	
35	Korea, Rep.	0.25	18.18	0.53		n/a	Latvia	n/a	n/a	n/a	
36	Russian Federation	0.22	16.58	0.52		n/a	Lebanon	n/a	n/a	n/a	
37	New Zealand	0.22	16.54	0.51		n/a	Lesotho	n/a	n/a	n/a	
38	Romania	0.22	16.39	0.49		n/a	Lithuania	n/a	n/a	n/a	
39	Hong Kong (China)	0.22	16.13	0.48	○	n/a	Luxembourg	n/a	n/a	n/a	
40	Saudi Arabia	0.20	14.54	0.47		n/a	Macedonia, FYR	n/a	n/a	n/a	
41	Tunisia	0.20	14.48	0.45		n/a	Madagascar	n/a	n/a	n/a	
42	Senegal	0.19	14.11	0.44		n/a	Malawi	n/a	n/a	n/a	
43	Viet Nam	0.19	13.92	0.42		n/a	Mali	n/a	n/a	n/a	
44	Honduras	0.16	11.42	0.41		n/a	Malta	n/a	n/a	n/a	
45	Morocco	0.16	11.41	0.40		n/a	Mauritius	n/a	n/a	n/a	
46	Turkey	0.15	11.09	0.38		n/a	Moldova, Rep.	n/a	n/a	n/a	
47	Chile	0.15	10.86	0.37		n/a	Mongolia	n/a	n/a	n/a	
48	Indonesia	0.14	10.38	0.36		n/a	Montenegro	n/a	n/a	n/a	
49	Jordan	0.13	9.75	0.34		n/a	Mozambique	n/a	n/a	n/a	
50	Pakistan	0.13	9.70	0.33		n/a	Namibia	n/a	n/a	n/a	
51	Mexico	0.13	9.29	0.32		n/a	Nepal	n/a	n/a	n/a	
52	India	0.12	8.95	0.30		n/a	Nicaragua	n/a	n/a	n/a	
53	Brazil	0.12	8.86	0.29		n/a	Niger	n/a	n/a	n/a	
54	Jamaica	0.12	8.56	0.27		n/a	Oman	n/a	n/a	n/a	
55	Kuwait	0.12	8.55	0.26		n/a	Paraguay	n/a	n/a	n/a	
56	Egypt	0.11	8.20	0.25		n/a	Qatar	n/a	n/a	n/a	
57	Costa Rica	0.11	8.04	0.23		n/a	Rwanda	n/a	n/a	n/a	
58	Venezuela, Bolivarian Rep.	0.11	8.02	0.22		n/a	Serbia	n/a	n/a	n/a	
59	Argentina	0.11	8.01	0.21		n/a	Sudan	n/a	n/a	n/a	
60	Iran, Islamic Rep.	0.11	7.93	0.19		n/a	Swaziland	n/a	n/a	n/a	
61	Peru	0.11	7.68	0.18		n/a	Syrian Arab Rep.	n/a	n/a	n/a	
62	United Arab Emirates	0.10	7.55	0.16	○	n/a	Tajikistan	n/a	n/a	n/a	
63	Colombia	0.09	6.36	0.15	○	n/a	Tanzania, United Rep.	n/a	n/a	n/a	
64	Ecuador	0.09	6.33	0.14		n/a	Togo	n/a	n/a	n/a	
65	Algeria	0.08	5.60	0.12		n/a	Trinidad and Tobago	n/a	n/a	n/a	
66	Cameroon	0.08	5.45	0.11		n/a	Uganda	n/a	n/a	n/a	
67	Uruguay	0.07	4.69	0.10	○	n/a	Uzbekistan	n/a	n/a	n/a	
68	Bolivia, Plurinational St.	0.06	4.56	0.08	○	n/a	Yemen	n/a	n/a	n/a	
69	Bangladesh	0.06	4.49	0.07		n/a	Zambia	n/a	n/a	n/a	
70	Philippines	0.06	4.06	0.05	○						
71	Panama	0.05	3.17	0.04	○						
72	Nigeria	0.03	1.76	0.03	○						

SOURCE: World Information Technology and Services Alliance (WITSA); World Bank and OECD GDP estimates, World Bank *World Development Indicators* database

6.2.4 ISO 9001 quality certificates

ISO 9001 Quality management systems—Requirements: Number of certificates issued (per billion PPP\$ GDP)^a | 2010

391

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Italy	78.08	100.00	1.00	●	73	Sri Lanka	3.79	35.49	0.49	
2	Bulgaria	64.37	95.63	0.99	●	74	Iran, Islamic Rep.	3.78	35.45	0.48	
3	Romania	63.55	95.34	0.99	●	75	Armenia	3.63	34.67	0.47	
4	Czech Republic	61.96	94.77	0.98	●	76	Bolivia, Plurinational St. (2009)	3.49	33.98	0.46	
5	Iceland	59.82	93.97	0.97		77	Kazakhstan	3.37	33.37	0.46	
6	Malta	45.67	87.89	0.96	●	78	El Salvador (2009)	3.29	32.92	0.45	
7	Spain	43.60	86.85	0.96	●	79	Georgia	3.20	32.43	0.44	
8	Hungary	42.84	86.45	0.95	●	80	Burundi (2002)	3.15	32.14	0.44	●
9	Israel	37.15	83.26	0.94		81	Brunei Darussalam	3.03	31.47	0.43	
10	Switzerland	37.06	83.21	0.94		82	Mexico (2009)	2.90	30.73	0.42	
11	Slovakia	32.32	80.15	0.93	●	83	Honduras (2009)	2.84	30.33	0.41	
12	Estonia	31.22	79.38	0.92	●	84	Swaziland	2.79	30.08	0.41	
13	Bosnia and Herzegovina	30.99	79.22	0.91	●	85	Morocco	2.71	29.57	0.40	
14	Slovenia	30.02	78.51	0.91	●	86	Luxembourg	2.59	28.82	0.39	
15	China	29.35	78.01	0.90		87	Trinidad and Tobago (2009)	2.59	28.80	0.39	
16	Russian Federation	27.91	76.89	0.89	●	88	Philippines	2.56	28.61	0.38	
17	Cyprus	27.73	76.75	0.89		89	Fiji	2.51	28.26	0.37	
18	Croatia	26.71	75.92	0.88	●	90	Guatemala (2009)	2.35	27.16	0.36	
19	Uruguay (2009)	25.28	74.70	0.87	●	91	Panama (2009)	2.30	26.83	0.36	
20	Latvia	24.81	74.28	0.86	●	92	Albania	2.17	25.95	0.35	
21	Serbia	23.61	73.18	0.86	●	93	Saudi Arabia	2.15	25.76	0.34	
22	Portugal	22.58	72.21	0.85		94	Kuwait	2.07	25.14	0.34	
23	Lithuania	21.27	70.89	0.84		95	Nicaragua (2009)	2.03	24.90	0.33	
24	Malaysia	20.68	70.27	0.84		96	United States of America (2009)	1.80	23.03	0.32	○
25	United Kingdom	20.56	70.15	0.83		97	Qatar	1.76	22.69	0.31	
26	Colombia (2009)	18.87	68.27	0.82	●	98	Senegal	1.75	22.63	0.31	
27	Chile (2009)	18.11	67.37	0.81		99	Venezuela, Bolivarian Rep. (2009)	1.68	21.99	0.30	
28	Jordan	17.64	66.80	0.81	●	100	Namibia	1.63	21.59	0.29	
29	Germany	17.18	66.23	0.80		101	Belize (2009)	1.55	20.87	0.29	
30	Zimbabwe	16.98	65.97	0.79	●	102	Nepal	1.51	20.48	0.28	
31	Korea, Rep.	16.90	65.87	0.79		103	Uzbekistan	1.50	20.37	0.27	
32	Poland	16.87	65.83	0.78		104	Dominican Republic (2009)	1.44	19.87	0.26	
33	Netherlands	16.47	65.31	0.77		105	Algeria	1.44	19.80	0.26	
34	Sweden	15.96	64.63	0.76		106	Zambia	1.39	19.37	0.25	
35	Austria	15.47	63.96	0.76		107	Madagascar	1.30	18.46	0.24	
36	United Arab Emirates	14.79	62.99	0.75		108	Uganda	1.28	18.21	0.24	
37	France	13.92	61.68	0.74		109	Syrian Arab Rep.	1.22	17.57	0.23	
38	Japan	13.61	61.19	0.74		110	Côte d'Ivoire	1.19	17.26	0.22	
39	Greece	13.56	61.12	0.73		111	Belarus	1.15	16.84	0.21	○
40	Singapore	13.43	60.92	0.72		112	Benin	1.15	16.83	0.21	
41	Ireland	13.36	60.80	0.71		113	Azerbaijan	1.13	16.66	0.20	
42	Montenegro	12.60	59.55	0.71		114	Togo	1.00	15.16	0.19	
43	Hong Kong (China)	12.14	58.75	0.70		115	Guyana (2009)	0.97	14.84	0.19	
44	Thailand	11.54	57.69	0.69		116	Bangladesh	0.93	14.33	0.18	
45	Finland	11.44	57.49	0.69		117	Gabon	0.84	13.25	0.17	
46	Turkey	11.03	56.72	0.68	●	118	Sudan	0.74	11.95	0.16	
47	Australia	9.94	54.54	0.67		119	Jamaica (2009)	0.71	11.57	0.16	○
48	Belgium	9.38	53.33	0.66		120	Burkina Faso	0.68	11.16	0.15	
49	Denmark	9.20	52.93	0.66		121	Mozambique	0.64	10.54	0.14	
50	Brazil (2009)	9.01	52.50	0.65		122	Niger	0.63	10.36	0.14	
51	Argentina (2009)	8.73	51.83	0.64		123	Kyrgyzstan	0.58	9.66	0.13	
52	Ukraine	8.45	51.17	0.64		124	Lao PDR	0.57	9.51	0.12	
53	New Zealand	8.44	51.13	0.63		125	Gambia	0.57	9.47	0.11	
54	India	8.19	50.53	0.62		126	Botswana	0.50	8.48	0.11	○
55	Moldova, Rep.	7.44	48.56	0.61		127	Cameroon	0.49	8.32	0.10	
56	Norway	7.38	48.40	0.61		128	Malawi	0.39	6.58	0.09	
57	Viet Nam	7.34	48.28	0.60		129	Yemen	0.31	5.31	0.09	
58	Ecuador (2009)	7.32	48.24	0.59	●	130	Lesotho	0.29	4.88	0.08	
59	Paraguay (2009)	6.95	47.17	0.59		131	Ethiopia	0.29	4.85	0.07	
60	Lebanon	6.38	45.47	0.58		132	Cambodia	0.20	3.11	0.06	
61	South Africa	6.33	45.29	0.57		133	Mongolia	0.18	2.76	0.06	○
62	Indonesia	6.32	45.26	0.56		134	Kenya	0.18	2.75	0.05	○
63	Bahrain	5.91	43.93	0.56		135	Mali	0.18	2.67	0.04	○
64	Tunisia	5.79	43.54	0.55		136	Angola	0.16	2.43	0.04	
65	Canada (2009)	5.69	43.20	0.54	○	137	Ghana	0.12	1.59	0.03	○
66	Mauritius	5.33	41.94	0.54		138	Rwanda (2009)	0.09	0.83	0.02	○
67	Oman	5.20	41.44	0.53		139	Nigeria	0.07	0.44	0.01	○
68	Peru (2009)	4.68	39.44	0.52		140	Tajikistan	0.07	0.37	0.01	○
69	Macedonia, FYR (2002)	4.62	39.16	0.51		141	Tanzania, United Rep.	0.05	0.00	0.00	○
70	Pakistan	4.50	38.68	0.51	●						
71	Egypt	4.39	38.20	0.50							
72	Costa Rica (2009)	4.25	37.60	0.49							

SOURCE: International Organization for Standardization (ISO), *The ISO Survey of Certifications 2010* CD-Rom (2002–10)

6.3.1 Royalty and license fees receipts

Royalty and license fees, receipts (per thousand GDP) | 2010

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Guyana	20.78	100.00	0.96	●	73	India	0.08	0.81	0.31	
1	Paraguay	13.79	100.00	0.96	●	74	Mongolia	0.08	0.80	0.30	
1	Sweden	13.37	100.00	0.96	●	75	Swaziland	0.07	0.72	0.30	
1	Ireland	10.88	100.00	0.96	●	76	Mexico (2004)	0.07	0.69	0.29	
1	Finland	9.79	100.00	0.96	●	77	Albania	0.06	0.64	0.28	
6	Luxembourg	8.57	87.56	0.95		78	Mauritius	0.06	0.58	0.27	
7	Singapore	8.38	85.66	0.94		79	Sudan	0.04	0.45	0.26	
8	Hungary	8.06	82.34	0.93	●	80	Morocco	0.04	0.43	0.25	
9	United States of America	7.27	74.28	0.92		81	Cambodia	0.03	0.30	0.24	
10	Netherlands	7.03	71.88	0.91		82	Mali (2008)	0.03	0.26	0.23	
11	United Kingdom	6.35	64.88	0.90		83	Lithuania	0.02	0.25	0.22	○
12	Japan	4.89	49.95	0.90		84	Syrian Arab Rep.	0.02	0.24	0.21	
13	Belgium	4.57	46.72	0.89		85	Philippines	0.02	0.20	0.20	
14	Germany	4.38	44.73	0.88		86	Peru	0.02	0.20	0.19	
15	Malta	4.17	42.58	0.87		87	El Salvador	0.02	0.18	0.18	
16	France	4.06	41.50	0.86		88	Pakistan	0.02	0.17	0.17	
17	Israel	3.91	39.92	0.85		89	Algeria (2009)	0.01	0.15	0.16	
18	Korea, Rep.	3.10	31.69	0.84		90	Cameroon	0.01	0.14	0.15	
19	Romania	2.88	29.46	0.83		91	Côte d'Ivoire (2008)	0.01	0.13	0.14	
20	Canada	2.42	24.71	0.82		92	Botswana	0.01	0.09	0.13	○
21	Hong Kong (China) (2009)	1.83	18.72	0.81		93	Ethiopia	0.01	0.09	0.12	
22	Italy	1.75	17.92	0.80		94	Rwanda	0.01	0.07	0.11	
23	Austria	1.71	17.50	0.79		95	Bangladesh	0.01	0.05	0.10	
24	Kenya	1.68	17.13	0.78	●	96	Benin (2008)	0.00	0.03	0.10	
25	Slovenia	1.44	14.72	0.77		97	Azerbaijan	0.00	0.03	0.09	○
26	Malaysia (2009)	1.38	14.07	0.76		98	Togo (2006)	0.00	0.03	0.08	
27	Yemen (2009)	1.33	13.59	0.75	●	99	Uruguay	0.00	0.02	0.07	○
28	New Zealand	1.30	13.28	0.74		100	Mozambique	0.00	0.02	0.06	
29	Norway	1.21	12.32	0.73		101	Iceland (2008)	0.00	0.01	0.05	○
30	Estonia	1.06	10.83	0.72		102	Burkina Faso (2009)	0.00	0.01	0.04	
31	Serbia	1.03	10.50	0.71		103	Niger (2007)	0.00	0.00	0.03	
32	Ukraine	0.96	9.78	0.70		104	Kazakhstan (2005)	0.00	0.00	0.02	○
33	Egypt (2007)	0.94	9.56	0.70	●	105	Namibia (2009)	0.00	0.00	0.01	○
34	Bosnia and Herzegovina	0.91	9.35	0.69		106	Tanzania, United Rep. (2007)	0.00	0.00	0.00	○
35	Moldova, Rep.	0.84	8.55	0.68		n/a	Armenia	n/a	n/a	n/a	
36	Macedonia, FYR	0.75	7.69	0.67		n/a	Bahrain	n/a	n/a	n/a	
37	Bulgaria	0.71	7.22	0.66		n/a	Belize	n/a	n/a	n/a	
38	Australia (2008)	0.66	6.77	0.65		n/a	Brunei Darussalam	n/a	n/a	n/a	
39	Spain	0.62	6.36	0.64		n/a	Burundi	n/a	n/a	n/a	
40	Tunisia	0.56	5.72	0.63		n/a	Denmark	n/a	n/a	n/a	
41	Czech Republic	0.55	5.60	0.62		n/a	Dominican Republic	n/a	n/a	n/a	
42	Croatia	0.52	5.34	0.61		n/a	Ecuador	n/a	n/a	n/a	
43	Slovakia	0.51	5.26	0.60		n/a	Gabon	n/a	n/a	n/a	
44	Poland	0.50	5.16	0.59		n/a	Gambia	n/a	n/a	n/a	
45	Latvia	0.50	5.15	0.58		n/a	Ghana	n/a	n/a	n/a	
46	Thailand	0.48	4.91	0.57		n/a	Iran, Islamic Rep.	n/a	n/a	n/a	
47	Madagascar (2005)	0.46	4.71	0.56		n/a	Jordan	n/a	n/a	n/a	
48	Russian Federation	0.42	4.32	0.55		n/a	Kuwait	n/a	n/a	n/a	
49	Georgia	0.41	4.14	0.54		n/a	Lao PDR	n/a	n/a	n/a	
50	Argentina	0.36	3.73	0.53		n/a	Lesotho	n/a	n/a	n/a	
51	Cyprus	0.36	3.73	0.52		n/a	Malawi	n/a	n/a	n/a	
52	Jamaica	0.36	3.72	0.51		n/a	Montenegro	n/a	n/a	n/a	
53	Guatemala	0.33	3.33	0.50		n/a	Nepal	n/a	n/a	n/a	
54	Chile	0.32	3.22	0.50		n/a	Nicaragua	n/a	n/a	n/a	
55	Kyrgyzstan	0.24	2.42	0.49		n/a	Nigeria	n/a	n/a	n/a	
56	Uganda	0.23	2.32	0.48		n/a	Oman	n/a	n/a	n/a	
57	Greece	0.22	2.30	0.47		n/a	Panama	n/a	n/a	n/a	
58	Costa Rica	0.21	2.14	0.46		n/a	Qatar	n/a	n/a	n/a	
59	Colombia	0.20	1.99	0.45		n/a	Saudi Arabia	n/a	n/a	n/a	
60	Brazil	0.19	1.94	0.44		n/a	Sri Lanka	n/a	n/a	n/a	
61	Lebanon	0.18	1.85	0.43		n/a	Switzerland	n/a	n/a	n/a	
62	Portugal	0.18	1.83	0.42		n/a	Trinidad and Tobago	n/a	n/a	n/a	
63	Fiji	0.17	1.74	0.41		n/a	Turkey	n/a	n/a	n/a	
64	South Africa	0.16	1.66	0.40		n/a	United Arab Emirates	n/a	n/a	n/a	
65	Belarus	0.16	1.59	0.39		n/a	Uzbekistan	n/a	n/a	n/a	
66	Angola (2008)	0.14	1.46	0.38		n/a	Venezuela, Bolivarian Rep.	n/a	n/a	n/a	
67	Bolivia, Plurinational St.	0.14	1.45	0.37		n/a	Viet Nam	n/a	n/a	n/a	
68	China	0.14	1.44	0.36		n/a	Zambia	n/a	n/a	n/a	
69	Tajikistan	0.11	1.16	0.35		n/a	Zimbabwe	n/a	n/a	n/a	
70	Honduras (2003)	0.10	1.01	0.34							
71	Senegal (2009)	0.10	0.98	0.33							
72	Indonesia	0.08	0.86	0.32							

SOURCE: International Monetary Fund; World Bank and OECD GDP estimates, World Bank *World Development Indicators* database (2003–10)

6.3.2 High-tech exports

High-tech net exports (% of total net exports) | 2010

393

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Malta.....	50.39	100.00	0.99	●	73	Tanzania, United Rep. (2011).....	0.91	2.38	0.40	
1	Singapore.....	38.10	100.00	0.99	●	74	Albania.....	0.91	2.38	0.39	
3	Malaysia.....	33.03	86.70	0.98	●	75	Rwanda (2011).....	0.91	2.38	0.38	
4	China.....	30.06	78.90	0.98	●	76	Georgia.....	0.89	2.32	0.38	
5	Costa Rica.....	24.36	63.93	0.97	●	77	Colombia (2011).....	0.77	2.02	0.37	
6	Korea, Rep. (2011).....	24.04	63.08	0.96		78	Peru.....	0.76	1.98	0.36	
7	Switzerland.....	22.51	59.07	0.95		79	Sri Lanka.....	0.75	1.97	0.35	
8	France.....	20.57	53.98	0.94	●	80	Chile.....	0.75	1.95	0.34	
9	Hungary (2011).....	20.47	53.73	0.93	●	81	Côte d'Ivoire.....	0.69	1.79	0.33	
10	Ireland.....	19.64	51.55	0.93		82	Armenia (2011).....	0.67	1.76	0.33	
11	Cyprus.....	19.16	50.28	0.92	●	83	Syrian Arab Rep. (2008).....	0.60	1.58	0.32	
12	Thailand.....	19.04	49.96	0.91	●	84	Uganda.....	0.59	1.54	0.31	
13	Israel.....	18.12	47.55	0.90		85	Madagascar.....	0.59	1.53	0.30	
14	Hong Kong (China).....	17.08	44.83	0.89		86	Bolivia, Plurinational St.	0.54	1.41	0.29	
15	Mexico.....	16.50	43.30	0.88	●	87	Nepal.....	0.51	1.32	0.28	
16	Japan (2011).....	16.17	42.43	0.88		88	Namibia (2008).....	0.50	1.32	0.28	
17	United Kingdom (2011).....	15.89	41.69	0.87		89	Burundi.....	0.47	1.24	0.27	
18	Netherlands.....	15.73	41.28	0.86		90	Honduras (2009).....	0.44	1.16	0.26	
19	Czech Republic.....	15.43	40.50	0.85		91	Mauritius.....	0.42	1.09	0.25	○
20	United States of America.....	14.76	38.74	0.84		92	Egypt.....	0.40	1.04	0.24	
21	Sweden.....	14.48	37.99	0.83		93	Mongolia (2007).....	0.38	0.98	0.23	
22	Lebanon.....	14.23	37.33	0.83		94	Senegal (2011).....	0.36	0.93	0.23	
23	Estonia (2011).....	13.98	36.68	0.82		95	Nicaragua.....	0.34	0.88	0.22	
24	Germany.....	13.72	36.02	0.81		96	Zimbabwe.....	0.30	0.78	0.21	
25	Austria.....	10.91	28.62	0.80		97	Ecuador (2011).....	0.27	0.70	0.20	
26	Finland.....	10.06	26.39	0.79		98	Jamaica.....	0.24	0.61	0.19	
27	Denmark.....	9.46	24.82	0.78		99	Kyrgyzstan.....	0.23	0.60	0.18	
28	Romania (2011).....	9.05	23.75	0.78		100	Gambia.....	0.23	0.59	0.18	
29	Belgium.....	8.34	21.88	0.77		101	Burkina Faso.....	0.23	0.59	0.17	
30	Luxembourg (2011).....	7.66	20.10	0.76		102	Ethiopia (2011).....	0.22	0.57	0.16	
31	Italy.....	6.55	17.18	0.75		103	Malawi.....	0.20	0.51	0.15	
32	Canada (2011).....	6.53	17.13	0.74		104	Ghana.....	0.17	0.45	0.14	
33	Slovakia.....	6.23	16.34	0.73		105	Mali.....	0.17	0.43	0.13	
34	Viet Nam (2009).....	6.19	16.24	0.73		106	Togo (2011).....	0.16	0.41	0.13	
35	Poland.....	6.10	16.01	0.72		107	Cambodia.....	0.15	0.38	0.12	
36	Tunisia.....	6.08	15.96	0.71		108	United Arab Emirates (2008).....	0.13	0.33	0.11	○
37	Lithuania.....	6.07	15.92	0.70		109	Sudan (2009).....	0.12	0.31	0.10	
38	Croatia (2011).....	5.78	15.16	0.69		110	Panama.....	0.10	0.25	0.09	○
39	Greece.....	5.77	15.15	0.68		111	Saudi Arabia.....	0.08	0.21	0.08	○
40	El Salvador.....	5.27	13.81	0.68		112	Nigeria.....	0.07	0.19	0.08	
41	Latvia (2011).....	5.22	13.70	0.67		113	Zambia.....	0.07	0.17	0.07	
42	Spain.....	4.89	12.82	0.66		114	Oman.....	0.06	0.14	0.06	○
43	India.....	4.84	12.69	0.65		115	Azerbaijan.....	0.03	0.08	0.05	○
44	Slovenia (2011).....	4.75	12.46	0.64		116	Trinidad and Tobago.....	0.03	0.07	0.04	○
45	Indonesia.....	4.47	11.73	0.63		117	Bahrain (2011).....	0.03	0.06	0.03	○
46	Kazakhstan (2009).....	4.20	11.01	0.63		118	Guyana.....	0.02	0.05	0.03	○
47	Bulgaria.....	4.14	10.85	0.62		119	Algeria.....	0.01	0.02	0.02	○
48	Norway.....	3.76	9.86	0.61		120	Yemen (2009).....	0.01	0.01	0.01	○
49	Brazil (2011).....	3.57	9.37	0.60		121	Qatar (2009).....	0.00	0.00	0.00	○
50	Serbia.....	3.16	8.29	0.59		n/a	Angola.....	n/a	n/a	n/a	
51	Iceland.....	3.08	8.07	0.58		n/a	Bangladesh.....	n/a	n/a	n/a	
52	Portugal.....	2.95	7.73	0.58		n/a	Belize.....	n/a	n/a	n/a	
53	Macedonia, FYR (2011).....	2.92	7.65	0.57		n/a	Benin.....	n/a	n/a	n/a	
54	Guatemala.....	2.70	7.09	0.56		n/a	Botswana.....	n/a	n/a	n/a	
55	Argentina.....	2.48	6.52	0.55		n/a	Brunei Darussalam.....	n/a	n/a	n/a	
56	Kenya.....	2.28	5.98	0.54		n/a	Cameroon.....	n/a	n/a	n/a	
57	Moldova, Rep.....	2.19	5.74	0.53		n/a	Gabon.....	n/a	n/a	n/a	
58	South Africa.....	2.16	5.66	0.53		n/a	Iran, Islamic Rep.....	n/a	n/a	n/a	
59	Australia.....	2.15	5.64	0.52		n/a	Kuwait.....	n/a	n/a	n/a	
60	Montenegro.....	2.11	5.53	0.51		n/a	Lao PDR.....	n/a	n/a	n/a	
61	Dominican Republic.....	2.05	5.38	0.50		n/a	Lesotho.....	n/a	n/a	n/a	
62	New Zealand.....	2.04	5.35	0.49		n/a	Morocco.....	n/a	n/a	n/a	
63	Jordan (2011).....	1.74	4.57	0.48		n/a	Mozambique.....	n/a	n/a	n/a	
64	Turkey.....	1.71	4.47	0.48		n/a	Philippines.....	n/a	n/a	n/a	
65	Belarus.....	1.62	4.24	0.47		n/a	Swaziland.....	n/a	n/a	n/a	
66	Bosnia and Herzegovina.....	1.55	4.06	0.46		n/a	Tajikistan.....	n/a	n/a	n/a	
67	Uruguay (2009).....	1.53	4.00	0.45		n/a	Ukraine.....	n/a	n/a	n/a	
68	Russian Federation.....	1.35	3.53	0.44		n/a	Uzbekistan.....	n/a	n/a	n/a	
69	Pakistan.....	1.28	3.35	0.43		n/a	Venezuela, Bolivarian Rep.....	n/a	n/a	n/a	
70	Paraguay (2011).....	1.07	2.81	0.43							
71	Niger.....	0.96	2.50	0.42							
72	Fiji.....	0.92	2.41	0.41							

SOURCE: United Nations, COMTRADE database; Eurostat 'High-technology' aggregations based on SITC Rev. 4, April 2009 (2007–11)

6.3.3 Computer and communications service exports

Computer, communications, and other services (% of commercial service exports) | 2009

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Finland.....	77.33	100.00	1.00	●	73	Bahrain.....	25.41	31.13	0.46	
2	Bangladesh.....	72.09	93.05	0.99	●	74	Morocco.....	24.84	30.38	0.45	
3	Ireland.....	70.77	91.31	0.98	●	75	Nepal.....	24.59	30.04	0.44	
4	India.....	70.52	90.98	0.98	●	76	Benin.....	24.23	29.56	0.44	
5	Paraguay.....	68.99	88.94	0.97	●	77	Luxembourg.....	24.01	29.27	0.43	
6	Israel.....	67.60	87.10	0.96	●	78	New Zealand.....	23.65	28.79	0.42	○
7	Philippines.....	67.21	86.58	0.95	●	79	Niger.....	23.14	28.12	0.41	
8	Swaziland.....	64.17	82.56	0.95	●	80	Belarus.....	23.14	28.12	0.41	
9	Kuwait.....	64.05	82.39	0.94	●	81	Ukraine.....	23.10	28.07	0.40	
10	Sweden.....	62.68	80.57	0.93		82	Latvia.....	22.86	27.75	0.39	
11	Guyana.....	62.56	80.41	0.92	●	83	Colombia.....	22.65	27.47	0.38	
12	Japan.....	62.19	79.93	0.92		84	Australia (2008).....	22.47	27.23	0.38	○
13	Malta.....	59.61	76.49	0.91		85	Bulgaria.....	22.21	26.89	0.37	
14	Côte d'Ivoire.....	57.40	73.56	0.90	●	86	El Salvador.....	22.08	26.71	0.36	
15	Netherlands.....	57.18	73.27	0.89		87	Chile.....	22.01	26.61	0.35	
16	Brazil.....	56.99	73.02	0.89	●	88	Brunei Darussalam.....	21.39	25.80	0.35	
17	Romania.....	55.56	71.13	0.88	●	89	Oman.....	21.35	25.74	0.34	
18	Lebanon.....	55.47	71.01	0.87	●	90	Gambia.....	21.14	25.46	0.33	
19	Belgium.....	54.81	70.14	0.86		91	Armenia.....	20.98	25.26	0.32	
20	Germany.....	54.18	69.30	0.86		92	Ethiopia.....	19.83	23.73	0.32	
21	Algeria.....	53.90	68.93	0.85	●	93	Guatemala.....	19.50	23.30	0.31	
22	Serbia.....	52.55	67.13	0.84	●	94	Tunisia.....	18.46	21.92	0.30	
23	Hungary (2010).....	51.74	66.07	0.83		95	Kenya.....	18.35	21.76	0.29	
24	Canada.....	49.47	63.04	0.83		96	Ecuador.....	18.02	21.33	0.29	
25	China.....	49.24	62.74	0.82		97	Lesotho.....	17.69	20.88	0.28	
26	Argentina.....	49.18	62.66	0.81		98	Venezuela, Bolivarian Rep.....	17.67	20.87	0.27	
27	Singapore.....	46.83	59.55	0.80		99	Bolivia, Plurinational St.....	17.26	20.32	0.26	
28	Gabon (2005).....	46.18	58.69	0.80	●	100	Egypt.....	16.79	19.70	0.26	
29	United Kingdom.....	46.17	58.67	0.79		101	Uruguay.....	16.66	19.53	0.25	
30	United States of America.....	45.44	57.70	0.78		102	Lao PDR.....	16.10	18.79	0.24	
31	Switzerland.....	44.25	56.12	0.77		103	Tanzania, United Rep.....	15.56	18.07	0.23	
32	Norway.....	44.12	55.94	0.77		104	Nicaragua.....	15.53	18.03	0.23	
33	Tajikistan.....	43.80	55.52	0.76	●	105	Croatia.....	14.75	16.99	0.22	○
34	Russian Federation.....	43.60	55.26	0.75		106	South Africa.....	14.71	16.94	0.21	○
35	Korea, Rep.....	43.22	54.75	0.74		107	Lithuania.....	13.97	15.96	0.20	○
36	Macedonia, FYR.....	42.90	54.34	0.74		108	Kazakhstan.....	13.70	15.60	0.20	
37	Senegal.....	41.95	53.07	0.73	●	109	Uganda.....	13.60	15.46	0.19	
38	Poland (2010).....	41.76	52.82	0.72		110	Cambodia.....	13.15	14.87	0.18	
39	France.....	40.80	51.54	0.71		111	Yemen.....	12.93	14.58	0.17	
40	Costa Rica.....	40.55	51.21	0.71		112	Albania.....	12.62	14.16	0.17	
41	Czech Republic (2010).....	39.97	50.45	0.70		113	Belize.....	12.31	13.75	0.16	
42	Hong Kong (China).....	39.92	50.38	0.69		114	Peru.....	11.92	13.23	0.15	○
43	Azerbaijan.....	38.42	48.39	0.68	●	115	Jordan.....	11.69	12.94	0.14	○
44	Pakistan.....	38.27	48.18	0.68	●	116	Jamaica (2010).....	10.18	10.93	0.14	○
45	Austria.....	38.04	47.88	0.67		117	Greece.....	9.35	9.82	0.13	○
46	Italy.....	37.50	47.18	0.66		118	Zambia.....	9.17	9.59	0.12	
47	Denmark (2004).....	37.36	46.98	0.65		119	Angola.....	9.16	9.57	0.11	
48	Spain.....	35.62	44.67	0.65		120	Panama.....	9.14	9.54	0.11	
49	Mali.....	34.85	43.66	0.64	●	121	Trinidad and Tobago.....	9.05	9.42	0.10	○
50	Togo.....	34.82	43.61	0.63	●	122	Sudan.....	8.98	9.34	0.09	
51	Indonesia.....	34.73	43.50	0.62		123	Turkey.....	8.98	9.33	0.08	○
52	Mozambique.....	34.65	43.39	0.62		124	Mongolia.....	8.94	9.29	0.08	○
53	Estonia (2010).....	34.28	42.89	0.61		125	Georgia.....	8.05	8.10	0.07	○
54	Botswana.....	33.99	42.51	0.60		126	Rwanda.....	7.73	7.68	0.06	
55	Moldova, Rep.....	33.79	42.25	0.59		127	Dominican Republic.....	6.47	6.01	0.05	○
56	Sri Lanka.....	31.16	38.75	0.59		128	Syrian Arab Rep.....	5.67	4.94	0.05	○
57	Iceland.....	31.08	38.65	0.58		129	Fiji.....	4.32	3.15	0.04	○
58	Bosnia and Herzegovina.....	30.45	37.82	0.57		130	Namibia.....	3.85	2.53	0.03	○
59	Mauritius.....	30.01	37.24	0.56		131	Nigeria.....	2.89	1.25	0.02	○
60	Portugal.....	29.91	37.10	0.56		132	Saudi Arabia.....	2.78	1.11	0.02	○
61	Slovenia (2010).....	29.71	36.84	0.55		133	Burundi.....	2.01	0.09	0.01	○
62	Slovakia (2010).....	29.51	36.57	0.54		134	Mexico.....	1.94	0.00	0.00	○
63	Cyprus.....	28.68	35.46	0.53		n/a	Iran, Islamic Rep.....	n/a	n/a	n/a	
64	Kyrgyzstan.....	28.40	35.10	0.53		n/a	Montenegro.....	n/a	n/a	n/a	
65	Madagascar (2005).....	28.12	34.73	0.52		n/a	Qatar.....	n/a	n/a	n/a	
66	Cameroon.....	28.06	34.65	0.51	●	n/a	United Arab Emirates.....	n/a	n/a	n/a	
67	Malaysia.....	28.03	34.61	0.50		n/a	Uzbekistan.....	n/a	n/a	n/a	
68	Ghana.....	27.39	33.76	0.50		n/a	Viet Nam.....	n/a	n/a	n/a	
69	Honduras.....	27.27	33.60	0.49		n/a	Zimbabwe.....	n/a	n/a	n/a	
70	Thailand.....	27.09	33.37	0.48							
71	Malawi.....	26.08	32.01	0.47							
72	Burkina Faso.....	25.61	31.39	0.47							

SOURCE: International Monetary Fund; World Bank and OECD GDP estimates, World Bank *World Development Indicators* database (2004–10)

6.3.4 Foreign direct investment net outflows

Foreign direct investment, net outflows (% of GDP) | 2010

395

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Luxembourg	347.12	100.00	0.99	●	73	Oman (2009)	0.16	51.42	0.39	
1	Hong Kong (China)	33.90	100.00	0.99	●	74	Sudan (2008)	0.15	51.42	0.38	
3	Belgium	10.20	65.88	0.98	●	75	Algeria (2009)	0.15	51.41	0.37	
4	Singapore	9.46	64.81	0.97		76	Brunei Darussalam (2006)	0.15	51.41	0.36	
5	Ireland	8.57	63.53	0.97		77	Tunisia	0.15	51.41	0.36	
6	Kuwait (2009)	7.89	62.55	0.96	●	78	Peru	0.14	51.39	0.35	
7	Switzerland	7.38	61.81	0.95		79	Romania	0.12	51.36	0.34	
8	Sweden	7.00	61.27	0.94		80	Swaziland	0.11	51.35	0.33	
9	Netherlands	6.32	60.30	0.93		81	South Africa	0.10	51.35	0.32	
10	Malaysia	5.68	59.38	0.92		82	Jordan	0.10	51.34	0.31	
11	Kazakhstan	5.25	58.75	0.92	●	83	Belarus	0.09	51.33	0.31	
12	Finland	4.46	57.61	0.91		84	Armenia	0.09	51.32	0.30	
13	Cyprus	4.34	57.44	0.90		85	Sri Lanka	0.09	51.32	0.29	
14	Chile	4.11	57.11	0.89	●	86	Latvia	0.08	51.31	0.28	○
15	Israel	3.66	56.47	0.88		87	Belize	0.08	51.31	0.27	
16	Russian Federation	3.55	56.30	0.87	●	88	Costa Rica	0.07	51.29	0.26	
17	Germany	3.30	55.95	0.86		89	Moldova, Rep.	0.06	51.28	0.25	
18	France	3.30	55.94	0.86		90	Guatemala	0.06	51.28	0.25	
19	Norway	2.97	55.47	0.85		91	Georgia	0.05	51.27	0.24	
20	Trinidad and Tobago (2008)	2.58	54.91	0.84	●	92	Burundi (2008)	0.05	51.27	0.23	
21	Canada	2.48	54.77	0.83		93	Paraguay	0.04	51.25	0.22	
22	United States of America	2.41	54.66	0.82		94	Namibia	0.04	51.25	0.21	
23	Colombia	2.27	54.46	0.81	●	95	Ghana (2009)	0.03	51.23	0.20	
24	Korea, Rep.	1.90	53.92	0.81		96	Pakistan	0.03	51.23	0.19	
25	Zambia	1.78	53.76	0.80	●	97	Macedonia, FYR	0.02	51.23	0.19	○
26	Niger (2009)	1.70	53.64	0.79	●	98	Kenya	0.01	51.20	0.18	
27	Australia (2009)	1.70	53.64	0.78		99	Botswana	0.00	51.20	0.17	
28	Thailand	1.66	53.58	0.77		100	Albania	0.00	51.20	0.16	
29	Italy	1.59	53.48	0.76		101	Bangladesh	0.00	51.19	0.15	
30	Angola	1.59	53.48	0.75	●	102	Kyrgyzstan	-0.00	51.19	0.14	
31	Lebanon	1.47	53.31	0.75		103	Mozambique	-0.01	51.18	0.14	
32	Spain	1.46	53.30	0.74		104	Honduras	-0.01	51.18	0.13	○
33	Mauritius	1.33	53.11	0.73		105	Uruguay	-0.02	51.17	0.12	○
34	Mexico	1.31	53.08	0.72	●	106	Lesotho	-0.11	51.04	0.11	
35	Togo (2009)	1.19	52.90	0.71	●	107	Bolivia, Plurinational St.	-0.15	50.98	0.10	○
36	Poland	1.18	52.89	0.70		108	Slovenia	-0.16	50.97	0.09	○
37	Denmark	1.07	52.73	0.69		109	Cameroon	-0.16	50.96	0.08	
38	Malta	1.06	52.72	0.69		110	Croatia	-0.22	50.88	0.08	○
39	Japan	1.05	52.70	0.68		111	Mali (2009)	-0.34	50.70	0.07	
40	China	1.01	52.66	0.67		112	Rwanda (2007)	-0.35	50.70	0.06	
41	Czech Republic	0.92	52.51	0.66		113	Malawi (2009)	-0.41	50.61	0.05	○
42	Saudi Arabia	0.90	52.49	0.65		114	New Zealand (2009)	-1.10	49.60	0.04	○
43	Gabon (2005)	0.87	52.45	0.64	●	115	Portugal	-3.57	46.06	0.03	○
44	Viet Nam	0.85	52.41	0.64		116	Austria	-5.38	43.46	0.03	○
45	India	0.76	52.29	0.63		117	Bahrain (2009)	-8.70	38.67	0.02	○
46	Mongolia	0.75	52.28	0.62		118	Iceland	-20.91	21.09	0.01	○
47	Estonia	0.66	52.15	0.61		119	Hungary	-35.56	0.00	0.00	○
48	Morocco	0.64	52.11	0.60		n/a	Côte d'Ivoire	n/a	n/a	n/a	
49	Venezuela, Bolivarian Rep.	0.61	52.07	0.59		n/a	Dominican Republic	n/a	n/a	n/a	
50	Senegal (2009)	0.60	52.06	0.58		n/a	Ecuador	n/a	n/a	n/a	
51	Brazil	0.55	51.99	0.58		n/a	Ethiopia	n/a	n/a	n/a	
52	Egypt	0.54	51.97	0.57		n/a	Gambia	n/a	n/a	n/a	
53	Ukraine	0.53	51.96	0.56		n/a	Guyana	n/a	n/a	n/a	
54	Bulgaria	0.53	51.96	0.55		n/a	Iran, Islamic Rep.	n/a	n/a	n/a	
55	Serbia	0.49	51.90	0.54		n/a	Lao PDR	n/a	n/a	n/a	
56	United Kingdom	0.47	51.88	0.53		n/a	Madagascar	n/a	n/a	n/a	
57	Nigeria	0.47	51.87	0.53	●	n/a	Montenegro	n/a	n/a	n/a	
58	Benin (2009)	0.47	51.87	0.52	●	n/a	Nepal	n/a	n/a	n/a	
59	Azerbaijan	0.45	51.84	0.51		n/a	Nicaragua	n/a	n/a	n/a	
60	Burkina Faso (2009)	0.42	51.80	0.50		n/a	Panama	n/a	n/a	n/a	
61	Jamaica	0.41	51.78	0.49		n/a	Qatar	n/a	n/a	n/a	
62	Indonesia	0.38	51.74	0.48		n/a	Syrian Arab Rep.	n/a	n/a	n/a	
63	Slovakia	0.37	51.72	0.47		n/a	Tajikistan	n/a	n/a	n/a	
64	Greece	0.32	51.66	0.47		n/a	Tanzania, United Rep.	n/a	n/a	n/a	
65	El Salvador	0.29	51.61	0.46		n/a	Uganda	n/a	n/a	n/a	
66	Bosnia and Herzegovina	0.26	51.57	0.45		n/a	United Arab Emirates	n/a	n/a	n/a	
67	Argentina	0.26	51.57	0.44		n/a	Uzbekistan	n/a	n/a	n/a	
68	Philippines	0.24	51.55	0.43		n/a	Yemen	n/a	n/a	n/a	
69	Lithuania	0.23	51.52	0.42		n/a	Zimbabwe	n/a	n/a	n/a	
70	Turkey	0.20	51.48	0.42							
71	Cambodia	0.18	51.46	0.41							
72	Fiji	0.18	51.46	0.40							

SOURCE: International Monetary Fund; World Bank and OECD GDP estimates, World Bank *World Development Indicators* database (2005–10)

7.1.1

National office trademark registrations

Number of trademark registrations issued to residents by the national office (per billion PPP\$ GDP) | 2010

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Mongolia	316.93	100.00	0.99	●	73	Belgium	12.78	6.03	0.16	○
1	Jordan	211.74	100.00	0.99	●	74	Sudan (2007)	11.51	5.44	0.15	
3	Chile	207.20	97.86	0.98	●	75	United States of America	11.25	5.31	0.14	○
4	Moldova, Rep.	180.78	85.38	0.97	●	76	France	11.15	5.27	0.13	○
5	China	119.71	56.53	0.95		77	Malawi (2006)	11.02	5.20	0.12	
6	Bulgaria	106.93	50.50	0.94	●	78	Israel	10.86	5.13	0.10	○
7	Iceland	103.60	48.93	0.93		79	Sri Lanka	5.40	2.55	0.09	○
8	Portugal	99.85	47.16	0.92	●	80	Pakistan (2009)	5.12	2.42	0.08	
9	Madagascar	97.50	46.05	0.91	●	81	Greece	4.95	2.34	0.07	○
10	Turkey (2009)	96.62	45.63	0.90	●	82	Algeria (2005)	3.38	1.60	0.06	
11	Morocco	95.74	45.22	0.88	●	83	Bahrain (2009)	2.05	0.97	0.05	○
12	Switzerland	95.20	44.96	0.87		84	Bangladesh	1.18	0.56	0.03	○
13	Slovenia	93.22	44.02	0.86		85	Tanzania, United Rep. (2007)	0.76	0.36	0.02	○
14	Ecuador	92.89	43.87	0.85	●	86	Iran, Islamic Rep. (2008)	0.00	0.00	0.01	○
15	Costa Rica	91.97	43.44	0.84	●	87	Japan (2009)	0.00	0.00	0.00	○
16	Armenia	87.60	41.37	0.83	●	n/a	Albania	n/a	n/a	n/a	
17	Czech Republic	86.82	41.00	0.81		n/a	Angola	n/a	n/a	n/a	
18	Ukraine	81.49	38.49	0.80	●	n/a	Argentina	n/a	n/a	n/a	
19	Estonia	77.50	36.60	0.79		n/a	Azerbaijan	n/a	n/a	n/a	
20	Panama	69.54	32.84	0.78		n/a	Belize	n/a	n/a	n/a	
21	Belarus (2004)	69.48	32.81	0.77		n/a	Benin	n/a	n/a	n/a	
22	Germany	69.39	32.77	0.76		n/a	Bolivia, Plurinational St.	n/a	n/a	n/a	
23	Viet Nam	67.61	31.93	0.74		n/a	Botswana	n/a	n/a	n/a	
24	Luxembourg	66.95	31.62	0.73		n/a	Brunei Darussalam	n/a	n/a	n/a	
25	South Africa	65.53	30.95	0.72		n/a	Burkina Faso	n/a	n/a	n/a	
26	Latvia	64.95	30.67	0.71		n/a	Burundi	n/a	n/a	n/a	
27	Malta	62.94	29.72	0.70		n/a	Cameroon	n/a	n/a	n/a	
28	Spain	57.66	27.23	0.69		n/a	Côte d'Ivoire	n/a	n/a	n/a	
29	Romania	56.03	26.46	0.67		n/a	Dominican Republic	n/a	n/a	n/a	
30	New Zealand	55.91	26.41	0.66		n/a	Egypt	n/a	n/a	n/a	
31	Slovakia	55.28	26.11	0.65		n/a	El Salvador	n/a	n/a	n/a	
32	Finland	53.53	25.28	0.64		n/a	Ethiopia	n/a	n/a	n/a	
33	Cyprus	49.79	23.51	0.63		n/a	Fiji	n/a	n/a	n/a	
34	Sweden	49.36	23.31	0.62		n/a	Gabon	n/a	n/a	n/a	
35	Norway (2009)	47.96	22.65	0.60		n/a	Ghana	n/a	n/a	n/a	
36	Australia	47.01	22.20	0.59		n/a	Guatemala	n/a	n/a	n/a	
37	Poland	46.68	22.04	0.58		n/a	Guyana	n/a	n/a	n/a	
38	Hong Kong (China)	45.78	21.62	0.57		n/a	India	n/a	n/a	n/a	
39	Lithuania	44.83	21.17	0.56		n/a	Indonesia	n/a	n/a	n/a	
40	Croatia	43.43	20.51	0.55		n/a	Jamaica	n/a	n/a	n/a	
41	United Kingdom	41.57	19.63	0.53		n/a	Kuwait	n/a	n/a	n/a	
42	Ireland	38.14	18.01	0.52	○	n/a	Lao PDR	n/a	n/a	n/a	
43	Honduras (2007)	36.30	17.14	0.51		n/a	Lebanon	n/a	n/a	n/a	
44	Korea, Rep.	32.95	15.56	0.50		n/a	Lesotho	n/a	n/a	n/a	
45	Uruguay	32.72	15.45	0.49		n/a	Macedonia, FYR	n/a	n/a	n/a	
46	Hungary	32.11	15.16	0.48		n/a	Mali	n/a	n/a	n/a	
47	Kazakhstan (2008)	31.02	14.65	0.47		n/a	Mauritius	n/a	n/a	n/a	
48	Georgia	30.34	14.33	0.45		n/a	Montenegro	n/a	n/a	n/a	
49	Canada	30.24	14.28	0.44	○	n/a	Namibia	n/a	n/a	n/a	
50	Mozambique (2007)	29.15	13.77	0.43		n/a	Nicaragua	n/a	n/a	n/a	
51	Russian Federation	28.81	13.61	0.42		n/a	Niger	n/a	n/a	n/a	
52	Colombia	28.66	13.54	0.41		n/a	Nigeria	n/a	n/a	n/a	
53	Mexico	28.64	13.53	0.40		n/a	Oman	n/a	n/a	n/a	
54	Yemen	28.26	13.35	0.38		n/a	Paraguay	n/a	n/a	n/a	
55	Kenya (2006)	27.45	12.96	0.37		n/a	Peru	n/a	n/a	n/a	
56	Kyrgyzstan (2008)	26.26	12.40	0.36		n/a	Qatar	n/a	n/a	n/a	
57	Austria	24.52	11.58	0.35	○	n/a	Rwanda	n/a	n/a	n/a	
58	Serbia	22.74	10.74	0.34		n/a	Saudi Arabia	n/a	n/a	n/a	
59	Thailand	22.53	10.64	0.33		n/a	Senegal	n/a	n/a	n/a	
60	Uzbekistan	22.28	10.52	0.31		n/a	Swaziland	n/a	n/a	n/a	
61	Brazil (2008)	21.93	10.36	0.30		n/a	Syrian Arab Rep.	n/a	n/a	n/a	
62	Philippines	20.79	9.82	0.29		n/a	Togo	n/a	n/a	n/a	
63	Nepal (2007)	20.71	9.78	0.28		n/a	Trinidad and Tobago	n/a	n/a	n/a	
64	Bosnia and Herzegovina	18.81	8.88	0.27		n/a	Tunisia	n/a	n/a	n/a	
65	Denmark	17.47	8.25	0.26	○	n/a	Uganda	n/a	n/a	n/a	
66	Singapore	16.90	7.98	0.24	○	n/a	United Arab Emirates	n/a	n/a	n/a	
67	Cambodia (2007)	16.73	7.90	0.23		n/a	Venezuela, Bolivarian Rep.	n/a	n/a	n/a	
68	Netherlands	15.87	7.49	0.22	○	n/a	Zambia	n/a	n/a	n/a	
69	Gambia (2007)	15.01	7.09	0.21		n/a	Zimbabwe	n/a	n/a	n/a	
70	Italy	13.73	6.48	0.20	○						
71	Malaysia	13.55	6.40	0.19	○						
72	Tajikistan	13.19	6.23	0.17	○						

SOURCE: World Intellectual Property Organization, *WIPO Statistics Database*; World Bank and OECD GDP estimates, *World Bank World Development Indicators database* (2004–10)

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank
1	Switzerland	9.47	100.00	0.98	●	n/a	Burkina Faso	n/a	n/a	n/a
1	Slovenia	4.71	100.00	0.98	●	n/a	Burundi	n/a	n/a	n/a
3	Latvia	3.99	84.58	0.97	●	n/a	Cambodia	n/a	n/a	n/a
4	Moldova, Rep.	3.90	82.78	0.95	●	n/a	Cameroon	n/a	n/a	n/a
5	Serbia	3.75	79.45	0.93	●	n/a	Canada	n/a	n/a	n/a
6	Austria	2.71	57.44	0.92		n/a	Chile	n/a	n/a	n/a
7	Bosnia and Herzegovina	2.36	50.07	0.90	●	n/a	Colombia	n/a	n/a	n/a
8	Iceland	2.11	44.66	0.89		n/a	Costa Rica	n/a	n/a	n/a
9	Denmark	1.92	40.61	0.87		n/a	Côte d'Ivoire	n/a	n/a	n/a
10	France	1.75	37.00	0.85		n/a	Dominican Republic	n/a	n/a	n/a
11	Bulgaria	1.72	36.40	0.84		n/a	Ecuador	n/a	n/a	n/a
12	Croatia	1.58	33.32	0.82	●	n/a	El Salvador	n/a	n/a	n/a
13	Estonia	1.57	33.30	0.80		n/a	Ethiopia	n/a	n/a	n/a
14	Germany	1.54	32.66	0.79		n/a	Fiji	n/a	n/a	n/a
15	Italy	1.31	27.63	0.77		n/a	Gabon	n/a	n/a	n/a
16	Norway	1.25	26.50	0.75		n/a	Gambia	n/a	n/a	n/a
17	Czech Republic	1.19	25.20	0.74		n/a	Ghana	n/a	n/a	n/a
18	Lithuania	1.11	23.42	0.72		n/a	Guatemala	n/a	n/a	n/a
19	Finland	1.10	23.15	0.70		n/a	Guyana	n/a	n/a	n/a
20	Australia	1.09	22.94	0.69		n/a	Honduras	n/a	n/a	n/a
21	Slovakia	1.05	22.04	0.67		n/a	Hong Kong (China)	n/a	n/a	n/a
22	Hungary	0.89	18.75	0.66		n/a	India	n/a	n/a	n/a
23	Cyprus	0.86	18.10	0.64		n/a	Indonesia	n/a	n/a	n/a
24	Ukraine	0.82	17.15	0.62		n/a	Israel	n/a	n/a	n/a
25	Turkey	0.81	17.09	0.61		n/a	Jamaica	n/a	n/a	n/a
26	Belarus	0.79	16.63	0.59		n/a	Jordan	n/a	n/a	n/a
27	Sweden	0.75	15.81	0.57	○	n/a	Kuwait	n/a	n/a	n/a
28	Montenegro	0.74	15.58	0.56		n/a	Lao PDR	n/a	n/a	n/a
29	Armenia	0.71	14.98	0.54		n/a	Lebanon	n/a	n/a	n/a
30	Macedonia, FYR	0.64	13.44	0.52		n/a	Lesotho	n/a	n/a	n/a
31	Singapore	0.61	12.89	0.51	○	n/a	Luxembourg	n/a	n/a	n/a
32	Portugal	0.59	12.28	0.49		n/a	Malawi	n/a	n/a	n/a
33	Morocco	0.52	10.96	0.48		n/a	Malaysia	n/a	n/a	n/a
34	Russian Federation	0.52	10.87	0.46		n/a	Mali	n/a	n/a	n/a
35	United Kingdom	0.49	10.17	0.44	○	n/a	Malta	n/a	n/a	n/a
36	Poland	0.43	8.96	0.43		n/a	Mauritius	n/a	n/a	n/a
37	Spain	0.42	8.77	0.41		n/a	Mexico	n/a	n/a	n/a
38	Georgia	0.40	8.32	0.39		n/a	Namibia	n/a	n/a	n/a
39	Mozambique	0.37	7.61	0.38		n/a	Nepal	n/a	n/a	n/a
40	Japan	0.33	6.81	0.36	○	n/a	Netherlands	n/a	n/a	n/a
41	United States of America	0.27	5.52	0.34	○	n/a	New Zealand	n/a	n/a	n/a
42	Romania	0.26	5.41	0.33		n/a	Nicaragua	n/a	n/a	n/a
43	Ireland	0.24	5.00	0.31	○	n/a	Niger	n/a	n/a	n/a
44	Korea, Rep.	0.21	4.24	0.30	○	n/a	Nigeria	n/a	n/a	n/a
45	Viet Nam	0.19	3.88	0.28		n/a	Oman	n/a	n/a	n/a
46	Kazakhstan	0.19	3.80	0.26		n/a	Pakistan	n/a	n/a	n/a
47	Mongolia	0.18	3.66	0.25		n/a	Panama	n/a	n/a	n/a
48	China	0.18	3.64	0.23		n/a	Paraguay	n/a	n/a	n/a
49	Greece	0.18	3.62	0.21		n/a	Peru	n/a	n/a	n/a
50	Kenya	0.14	2.69	0.20		n/a	Philippines	n/a	n/a	n/a
51	Tajikistan (2003)	0.13	2.56	0.18		n/a	Qatar	n/a	n/a	n/a
52	Madagascar	0.10	1.95	0.16		n/a	Rwanda	n/a	n/a	n/a
53	Kyrgyzstan (2007)	0.09	1.83	0.15		n/a	Saudi Arabia	n/a	n/a	n/a
54	Azerbaijan	0.09	1.69	0.13		n/a	Senegal	n/a	n/a	n/a
55	Egypt	0.08	1.48	0.11	○	n/a	South Africa	n/a	n/a	n/a
56	Syrian Arab Rep.	0.07	1.40	0.10		n/a	Sri Lanka	n/a	n/a	n/a
57	Albania (2008)	0.05	0.79	0.08		n/a	Swaziland	n/a	n/a	n/a
58	Iran, Islamic Rep.	0.04	0.66	0.07		n/a	Tanzania, United Rep.	n/a	n/a	n/a
59	Botswana	0.04	0.58	0.05	○	n/a	Thailand	n/a	n/a	n/a
60	Uzbekistan	0.01	0.06	0.03	○	n/a	Togo	n/a	n/a	n/a
61	Sudan (2009)	0.01	0.06	0.02	○	n/a	Trinidad and Tobago	n/a	n/a	n/a
62	Algeria (2008)	0.01	0.00	0.00	○	n/a	Tunisia	n/a	n/a	n/a
n/a	Angola	n/a	n/a	n/a		n/a	Uganda	n/a	n/a	n/a
n/a	Argentina	n/a	n/a	n/a		n/a	United Arab Emirates	n/a	n/a	n/a
n/a	Bahrain	n/a	n/a	n/a		n/a	Uruguay	n/a	n/a	n/a
n/a	Bangladesh	n/a	n/a	n/a		n/a	Venezuela, Bolivarian Rep.	n/a	n/a	n/a
n/a	Belgium	n/a	n/a	n/a		n/a	Yemen	n/a	n/a	n/a
n/a	Belize	n/a	n/a	n/a		n/a	Zambia	n/a	n/a	n/a
n/a	Benin	n/a	n/a	n/a		n/a	Zimbabwe	n/a	n/a	n/a
n/a	Bolivia, Plurinational St.	n/a	n/a	n/a						
n/a	Brazil	n/a	n/a	n/a						
n/a	Brunei Darussalam	n/a	n/a	n/a						

SOURCE: World Intellectual Property Organization, *WIPO Statistics Database*; World Bank and OECD GDP estimates, World Bank *World Development Indicators* database (2003–10)

7.1.3

ICT and business model creation

Average answer to the question: To what extent are information and communication technologies creating new business models, services and products in your country? 1 = not at all; 7 = significantly[†] | 2011

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Sweden	5.80	79.92	1.00	●	73	Slovakia	4.01	50.09	0.45	
2	United States of America	5.62	76.99	0.99	●	74	Czech Republic	3.96	49.42	0.45	
3	United Kingdom	5.59	76.49	0.98	●	75	Croatia	3.95	49.15	0.44	
4	Singapore	5.52	75.34	0.98		76	Viet Nam	3.94	49.08	0.43	
5	Norway	5.45	74.15	0.97		77	Pakistan	3.94	48.95	0.42	
6	Qatar	5.43	73.76	0.96	●	78	Bulgaria	3.91	48.55	0.42	
7	Denmark	5.35	72.58	0.95		79	Ecuador	3.89	48.24	0.41	
8	Malaysia	5.35	72.48	0.95		80	Poland	3.87	47.89	0.40	
9	Estonia	5.28	71.39	0.94	●	81	Trinidad and Tobago	3.86	47.66	0.39	
10	Netherlands	5.26	71.00	0.93		82	Mali	3.85	47.54	0.39	
11	Canada	5.25	70.86	0.92		83	Kazakhstan	3.83	47.10	0.38	
12	Finland	5.25	70.77	0.92		84	Uganda	3.81	46.81	0.37	
13	Iceland	5.23	70.56	0.91		85	Zambia	3.77	46.16	0.36	
14	France	5.21	70.18	0.90	●	86	Malawi	3.77	46.10	0.36	
15	Israel	5.19	69.77	0.89		87	Ukraine	3.75	45.88	0.35	
16	Switzerland	5.16	69.41	0.89		88	Italy	3.74	45.64	0.34	
17	Saudi Arabia	5.16	69.31	0.88	●	89	Cambodia	3.72	45.38	0.33	
18	Hong Kong (China)	5.16	69.30	0.87		90	Paraguay	3.70	44.99	0.33	
19	Korea, Rep.	5.13	68.85	0.86		91	Mongolia	3.69	44.91	0.32	
20	United Arab Emirates	5.12	68.73	0.86		92	Armenia	3.68	44.64	0.31	
21	Malta	4.95	65.76	0.85		93	Guyana	3.67	44.51	0.30	
22	Lithuania	4.93	65.47	0.84		94	Bolivia, Plurinational St.	3.67	44.46	0.30	
23	Australia	4.92	65.37	0.83		95	Russian Federation	3.67	44.44	0.29	
24	Germany	4.92	65.32	0.83		96	Iran, Islamic Rep.	3.66	44.36	0.28	
25	Uruguay	4.91	65.08	0.82	●	97	Ghana	3.66	44.31	0.27	
26	Belgium	4.90	65.05	0.81		98	Morocco	3.64	44.06	0.27	
27	Luxembourg	4.90	64.95	0.80		99	Hungary	3.64	43.96	0.26	○
28	New Zealand	4.90	64.95	0.80		100	Macedonia, FYR	3.58	42.99	0.25	○
29	Portugal	4.89	64.82	0.79		101	Bangladesh	3.57	42.80	0.24	
30	Ireland	4.84	64.00	0.78		102	Mozambique	3.57	42.76	0.23	
31	India	4.84	63.92	0.77	●	103	Bosnia and Herzegovina	3.56	42.67	0.23	
32	China	4.77	62.86	0.77		104	Venezuela, Bolivarian Rep.	3.55	42.55	0.22	
33	Brazil	4.76	62.68	0.76		105	Nicaragua	3.53	42.17	0.21	
34	Chile	4.75	62.58	0.75		106	Namibia	3.53	42.15	0.20	
35	Senegal	4.70	61.59	0.74	●	107	Moldova, Rep.	3.52	42.05	0.20	
36	Austria	4.68	61.29	0.73		108	Georgia	3.51	41.91	0.19	
37	Guatemala	4.65	60.85	0.73	●	109	Romania	3.51	41.81	0.18	○
38	Colombia	4.60	59.95	0.72		110	Kuwait	3.50	41.71	0.17	
39	Tunisia	4.58	59.71	0.71		111	Tanzania, United Rep.	3.50	41.70	0.17	
40	Bahrain	4.57	59.56	0.70		112	Nepal	3.45	40.77	0.16	
41	Panama	4.54	59.05	0.70		113	Benin	3.44	40.68	0.15	
42	Oman	4.52	58.73	0.69		114	Madagascar	3.41	40.25	0.14	
43	Costa Rica	4.50	58.36	0.68		115	Botswana	3.41	40.10	0.14	○
44	Montenegro	4.50	58.34	0.67		116	Cameroon	3.40	39.97	0.13	
45	Kenya	4.49	58.20	0.67		117	Tajikistan	3.32	38.59	0.12	
46	Rwanda	4.49	58.17	0.66	●	118	Greece	3.26	37.72	0.11	○
47	Sri Lanka	4.48	58.08	0.65		119	Côte d'Ivoire	3.26	37.65	0.11	
48	Spain	4.47	57.83	0.64		120	Kyrgyzstan	3.23	37.14	0.10	
49	Mexico	4.44	57.28	0.64		121	Ethiopia	3.18	36.31	0.09	
50	Honduras	4.42	57.06	0.63	●	122	Zimbabwe	3.17	36.13	0.08	
51	Dominican Republic	4.40	56.70	0.62	●	123	Burkina Faso	3.14	35.75	0.08	
52	Japan	4.40	56.68	0.61		124	Lebanon	3.08	34.64	0.07	○
53	Indonesia	4.35	55.91	0.61		125	Belize	2.97	32.82	0.06	○
54	Peru	4.35	55.90	0.60		126	Lesotho	2.95	32.50	0.05	○
55	El Salvador	4.29	54.83	0.59		127	Serbia	2.93	32.23	0.05	○
56	South Africa	4.28	54.67	0.58		128	Syrian Arab Rep.	2.72	28.75	0.04	○
57	Azerbaijan	4.27	54.57	0.58		129	Angola	2.64	27.28	0.03	
58	Philippines	4.25	54.09	0.57		130	Yemen	2.55	25.89	0.02	
59	Nigeria	4.24	53.99	0.56	●	131	Burundi	2.45	24.17	0.02	○
60	Thailand	4.24	53.95	0.55		132	Swaziland	2.44	24.02	0.01	○
61	Argentina	4.21	53.43	0.55		133	Algeria	2.12	18.68	0.00	○
62	Albania	4.18	53.00	0.54		n/a	Belarus	n/a	n/a	n/a	
63	Turkey	4.18	52.93	0.53		n/a	Fiji	n/a	n/a	n/a	
64	Jordan	4.17	52.75	0.52		n/a	Gabon	n/a	n/a	n/a	
65	Mauritius	4.15	52.42	0.52		n/a	Lao PDR	n/a	n/a	n/a	
66	Cyprus	4.14	52.28	0.51		n/a	Niger	n/a	n/a	n/a	
67	Brunei Darussalam	4.11	51.80	0.50		n/a	Sudan	n/a	n/a	n/a	
68	Jamaica	4.10	51.70	0.49		n/a	Togo	n/a	n/a	n/a	
69	Slovenia	4.07	51.24	0.48		n/a	Uzbekistan	n/a	n/a	n/a	
70	Egypt	4.07	51.11	0.48							
71	Gambia	4.05	50.86	0.47							
72	Latvia	4.04	50.72	0.46							

SOURCE: World Economic Forum, Executive Opinion Survey 2010–2011

Average answer to the question: To what extent are information and communication technologies creating new organizational models (virtual teams, remote working, tele-commuting, etc.) within businesses in your country? 1 = not at all; 7 = significantly† | 2011

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Singapore	5.88	81.40	1.00	●	73	Burkina Faso	3.82	46.96	0.45	
2	Qatar	5.72	78.62	0.99	●	74	Jamaica	3.79	46.50	0.45	
3	Rwanda	5.69	78.13	0.98	●	75	Turkey	3.77	46.13	0.44	
4	Malta	5.58	76.36	0.98	●	76	Malawi	3.76	46.08	0.43	
5	Saudi Arabia	5.53	75.49	0.97	●	77	Mexico	3.74	45.65	0.42	
6	Bahrain	5.39	73.12	0.96	●	78	Namibia	3.72	45.40	0.42	
7	United Arab Emirates	5.37	72.90	0.95	●	79	Mongolia	3.72	45.39	0.41	
8	Sweden	5.36	72.75	0.95		80	Iran, Islamic Rep.	3.71	45.23	0.40	
9	Malaysia	5.35	72.56	0.94		81	Ghana	3.67	44.42	0.39	
10	Oman	5.20	70.05	0.93	●	82	Ecuador	3.60	43.38	0.39	
11	Luxembourg	5.17	69.46	0.92		83	Trinidad and Tobago	3.60	43.26	0.38	
12	Portugal	5.09	68.11	0.92	●	84	Georgia	3.58	43.00	0.37	
13	Azerbaijan	5.01	66.89	0.91	●	85	Thailand	3.58	42.97	0.36	
14	Korea, Rep.	4.99	66.57	0.90		86	Tanzania, United Rep.	3.57	42.88	0.36	
15	China	4.97	66.24	0.89		87	Benin	3.57	42.82	0.35	
16	Denmark	4.91	65.23	0.89		88	Pakistan	3.54	42.41	0.34	
17	Estonia	4.91	65.12	0.88		89	Peru	3.54	42.31	0.33	
18	New Zealand	4.88	64.71	0.87		90	Russian Federation	3.53	42.15	0.33	
19	Finland	4.88	64.65	0.86		91	Hungary	3.48	41.40	0.32	
20	Sri Lanka	4.87	64.56	0.86	●	92	Egypt	3.48	41.40	0.31	
21	Australia	4.78	62.97	0.85		93	Syrian Arab Rep.	3.48	41.32	0.30	
22	Montenegro	4.64	60.73	0.84	●	94	South Africa	3.47	41.14	0.30	
23	Tunisia	4.62	60.32	0.83	●	95	Spain	3.46	40.97	0.29	○
24	Gambia	4.61	60.18	0.83	●	96	Philippines	3.44	40.71	0.28	
25	United States of America	4.61	60.10	0.82		97	Bulgaria	3.42	40.28	0.27	○
26	Hong Kong (China)	4.60	60.00	0.81		98	Slovenia	3.41	40.18	0.27	○
27	United Kingdom	4.59	59.78	0.80		99	Latvia	3.41	40.12	0.26	○
28	Chile	4.56	59.31	0.80		100	Honduras	3.38	39.58	0.25	
29	Kenya	4.53	58.87	0.79	●	101	Cameroon	3.32	38.67	0.24	
30	Norway	4.50	58.35	0.78		102	Czech Republic	3.28	37.93	0.23	○
31	Iceland	4.47	57.79	0.77		103	Slovakia	3.26	37.75	0.23	○
32	Panama	4.47	57.76	0.77		104	Moldova, Rep.	3.24	37.41	0.22	
33	India	4.45	57.58	0.76		105	Kuwait	3.24	37.33	0.21	
34	Switzerland	4.43	57.14	0.75		106	Zimbabwe	3.22	36.98	0.20	
35	Brunei Darussalam	4.41	56.82	0.74		107	Italy	3.20	36.75	0.20	○
36	Senegal	4.40	56.58	0.73	●	108	Croatia	3.19	36.51	0.19	○
37	Israel	4.38	56.29	0.73		109	Nepal	3.19	36.50	0.18	
38	Uruguay	4.37	56.19	0.72		110	Poland	3.12	35.39	0.17	○
39	France	4.35	55.81	0.71		111	Romania	3.05	34.10	0.17	○
40	Japan	4.34	55.60	0.70		112	Côte d'Ivoire	3.00	33.40	0.16	
41	Netherlands	4.33	55.58	0.70		113	Greece	3.00	33.36	0.15	
42	Viet Nam	4.27	54.51	0.69		114	Serbia	3.00	33.34	0.14	○
43	Uganda	4.25	54.15	0.68	●	115	Angola	3.00	33.33	0.14	
44	Germany	4.25	54.11	0.67		116	Ukraine	2.95	32.57	0.13	○
45	Austria	4.25	54.09	0.67		117	Bolivia, Plurinational St.	2.95	32.43	0.12	○
46	Colombia	4.23	53.90	0.66		118	El Salvador	2.93	32.22	0.11	
47	Mauritius	4.22	53.68	0.65		119	Guatemala	2.85	30.89	0.11	
48	Jordan	4.21	53.53	0.64		120	Bosnia and Herzegovina	2.83	30.49	0.10	○
49	Morocco	4.20	53.37	0.64		121	Venezuela, Bolivarian Rep.	2.81	30.11	0.09	
50	Canada	4.20	53.26	0.63		122	Lesotho	2.80	29.96	0.08	
51	Botswana	4.18	52.98	0.62		123	Madagascar	2.75	29.20	0.08	
52	Ethiopia	4.15	52.50	0.61	●	124	Paraguay	2.71	28.49	0.07	○
53	Indonesia	4.15	52.43	0.61		125	Algeria	2.66	27.62	0.06	
54	Cyprus	4.12	52.07	0.60		126	Swaziland	2.65	27.56	0.05	○
55	Cambodia	4.11	51.82	0.59		127	Argentina	2.59	26.55	0.05	○
56	Albania	4.08	51.34	0.58		128	Kyrgyzstan	2.47	24.57	0.04	○
57	Kazakhstan	4.08	51.29	0.58		129	Nicaragua	2.47	24.44	0.03	○
58	Zambia	4.07	51.21	0.57		130	Burundi	2.45	24.14	0.02	○
59	Bangladesh	4.07	51.19	0.56		131	Belize	2.40	23.29	0.02	○
60	Guyana	4.07	51.19	0.55		132	Lebanon	2.16	19.27	0.01	○
61	Ireland	4.04	50.68	0.55	○	133	Yemen	1.98	16.35	0.00	○
62	Brazil	4.03	50.42	0.54		n/a	Belarus	n/a	n/a	n/a	
63	Belgium	4.00	49.93	0.53	○	n/a	Fiji	n/a	n/a	n/a	
64	Tajikistan	3.97	49.54	0.52		n/a	Gabon	n/a	n/a	n/a	
65	Mali	3.90	48.28	0.52	●	n/a	Lao PDR	n/a	n/a	n/a	
66	Macedonia, FYR	3.88	48.08	0.51		n/a	Niger	n/a	n/a	n/a	
67	Costa Rica	3.88	48.07	0.50		n/a	Sudan	n/a	n/a	n/a	
68	Lithuania	3.87	47.84	0.49		n/a	Togo	n/a	n/a	n/a	
69	Nigeria	3.87	47.82	0.48		n/a	Uzbekistan	n/a	n/a	n/a	
70	Dominican Republic	3.86	47.68	0.48							
71	Armenia	3.84	47.30	0.47							
72	Mozambique	3.82	46.96	0.46							

SOURCE: World Economic Forum, Executive Opinion Survey 2010–2011

7.2.1 Recreation and culture consumption

Recreation and culture (% total individual consumption) | 2011

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Norway	13.63	100.00	1.00	●	73	Nicaragua (2007)	2.64	17.67	0.27	
2	New Zealand	11.58	84.64	0.99	●	74	Niger (2010)	2.60	17.34	0.26	
3	United Kingdom	11.40	83.32	0.98	●	75	Bolivia, Plurinational St.	2.45	16.25	0.25	
4	Austria	11.37	83.10	0.97	●	76	Kazakhstan	2.43	16.11	0.24	
5	Sweden	11.30	82.59	0.96		77	Jordan	2.39	15.77	0.23	
6	Australia	11.29	82.51	0.95	●	78	Uzbekistan	2.39	15.77	0.22	
7	Denmark	11.21	81.92	0.94		79	United Arab Emirates	2.22	14.55	0.21	○
8	Finland	11.10	81.10	0.93		80	Dominican Republic	2.22	14.51	0.20	
9	Malta (2010)	10.93	79.78	0.92		81	Nigeria	2.06	13.30	0.19	
10	Japan	10.82	78.96	0.91		82	Mongolia (2009)	1.98	12.74	0.18	
11	Czech Republic	10.79	78.72	0.90	●	83	Egypt	1.96	12.58	0.17	
12	Slovenia	10.27	74.81	0.89	●	84	Pakistan	1.80	11.39	0.16	
13	Netherlands	10.25	74.67	0.88		85	Cameroon	1.74	10.90	0.15	
14	Spain	9.87	71.87	0.87		86	Algeria	1.73	10.82	0.14	
15	Germany	9.52	69.19	0.86		87	Peru	1.70	10.61	0.13	○
16	Belgium	9.44	68.63	0.85		88	Viet Nam	1.66	10.32	0.12	○
17	Canada	9.32	67.73	0.84		89	Malawi (2008)	1.49	9.06	0.11	
18	United States of America	9.28	67.42	0.83		90	Saudi Arabia	1.48	8.99	0.10	○
19	France	9.23	67.02	0.82		91	Indonesia	1.38	8.26	0.09	○
20	Singapore	8.68	62.90	0.81		92	India	1.28	7.48	0.08	○
21	Slovakia	8.58	62.20	0.80		93	Morocco	1.24	7.17	0.07	○
22	Lithuania	8.40	60.82	0.79		94	Iran, Islamic Rep.	0.85	4.28	0.06	○
23	Latvia	8.09	58.48	0.78		95	Kyrgyzstan (2010)	0.84	4.19	0.05	○
24	Cyprus (2009)	7.85	56.71	0.77		96	Moldova, Rep. (2010)	0.51	1.73	0.04	○
25	Korea, Rep.	7.79	56.25	0.76		97	Philippines	0.51	1.69	0.03	○
26	Estonia	7.68	55.46	0.75		98	Senegal (2009)	0.45	1.24	0.02	○
27	Switzerland	7.68	55.41	0.74		99	Armenia (2009)	0.43	1.10	0.01	○
28	Croatia	7.63	55.06	0.73		100	Yemen (2008)	0.28	0.00	0.00	○
29	Portugal	7.54	54.39	0.72		n/a	Albania	n/a	n/a	n/a	
30	Greece	7.53	54.30	0.71		n/a	Angola	n/a	n/a	n/a	
31	Iceland (2010)	7.34	52.86	0.70		n/a	Bangladesh	n/a	n/a	n/a	
32	Hungary	7.30	52.61	0.69		n/a	Belize	n/a	n/a	n/a	
33	Luxembourg (2009)	7.22	52.02	0.68		n/a	Benin	n/a	n/a	n/a	
34	Poland	6.98	50.22	0.67		n/a	Botswana	n/a	n/a	n/a	
35	Qatar	6.86	49.32	0.66		n/a	Brunei Darussalam	n/a	n/a	n/a	
36	Italy	6.85	49.20	0.65		n/a	Burkina Faso	n/a	n/a	n/a	
37	Costa Rica	6.82	49.03	0.64		n/a	Burundi	n/a	n/a	n/a	
38	Israel	6.82	49.02	0.63		n/a	Cambodia	n/a	n/a	n/a	
39	Hong Kong (China)	6.76	48.57	0.62		n/a	Côte d'Ivoire	n/a	n/a	n/a	
40	Ireland	6.73	48.31	0.61		n/a	El Salvador	n/a	n/a	n/a	
41	Bahrain	6.73	48.29	0.60		n/a	Ethiopia	n/a	n/a	n/a	
42	Serbia	6.68	47.94	0.59		n/a	Fiji	n/a	n/a	n/a	
43	Venezuela, Bolivarian Rep.	6.30	45.10	0.58		n/a	Gabon	n/a	n/a	n/a	
44	Ecuador	5.98	42.73	0.57		n/a	Gambia	n/a	n/a	n/a	
45	Chile	5.95	42.49	0.56		n/a	Guyana	n/a	n/a	n/a	
46	Georgia	5.69	40.53	0.55		n/a	Jamaica	n/a	n/a	n/a	
47	China	5.30	37.57	0.54		n/a	Lao PDR	n/a	n/a	n/a	
48	Bulgaria	5.29	37.49	0.53		n/a	Lebanon	n/a	n/a	n/a	
49	Russian Federation	5.24	37.12	0.52		n/a	Lesotho	n/a	n/a	n/a	
50	Uruguay	5.19	36.77	0.51		n/a	Madagascar	n/a	n/a	n/a	
51	Thailand	5.14	36.37	0.49		n/a	Mali	n/a	n/a	n/a	
52	Brazil	5.11	36.21	0.48		n/a	Mauritius	n/a	n/a	n/a	
53	Malaysia	5.06	35.82	0.47		n/a	Mozambique	n/a	n/a	n/a	
54	Argentina	4.95	34.99	0.46		n/a	Namibia	n/a	n/a	n/a	
55	Mexico	4.91	34.70	0.45		n/a	Nepal	n/a	n/a	n/a	
56	Colombia	4.88	34.47	0.44		n/a	Oman	n/a	n/a	n/a	
57	Bosnia and Herzegovina	4.75	33.45	0.43		n/a	Panama	n/a	n/a	n/a	
58	Romania	4.53	31.86	0.42		n/a	Paraguay	n/a	n/a	n/a	
59	Kenya	4.21	29.41	0.41		n/a	Rwanda	n/a	n/a	n/a	
60	Ukraine	4.10	28.64	0.40		n/a	Sudan	n/a	n/a	n/a	
61	Turkey	4.08	28.42	0.39		n/a	Swaziland	n/a	n/a	n/a	
62	Kuwait	3.79	26.26	0.38		n/a	Syrian Arab Rep.	n/a	n/a	n/a	
63	Honduras (2006)	3.73	25.86	0.37		n/a	Tajikistan	n/a	n/a	n/a	
64	Belarus	3.63	25.10	0.36		n/a	Tanzania, United Rep.	n/a	n/a	n/a	
65	South Africa	3.63	25.10	0.35		n/a	Togo	n/a	n/a	n/a	
66	Azerbaijan	3.57	24.65	0.34		n/a	Trinidad and Tobago	n/a	n/a	n/a	
67	Guatemala	3.33	22.83	0.33		n/a	Uganda	n/a	n/a	n/a	
68	Montenegro	3.28	22.49	0.32		n/a	Zambia	n/a	n/a	n/a	
69	Ghana (2005)	3.10	21.13	0.31		n/a	Zimbabwe	n/a	n/a	n/a	
70	Tunisia	3.07	20.93	0.30							
71	Macedonia, FYR	3.02	20.54	0.29							
72	Sri Lanka (2009)	2.90	19.61	0.28							

SOURCE: United Nations Statistics Division, National Accounts Official Country Data, United Nations database *UNdata* (2005–11); Euromonitor *Passport GMID* (Global Market Information Database) (2005–11)

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Iceland (2011)	35.35	100.00	0.97	●	73	Bangladesh	0.67	3.95	0.27	
1	Mauritius	20.06	100.00	0.97	●	74	Macedonia, FYR (2011)	0.65	3.86	0.26	
1	Switzerland (2011)	18.99	100.00	0.97	●	75	Morocco	0.65	3.85	0.25	
1	Guyana	16.88	100.00	0.97	●	76	Brazil	0.62	3.70	0.24	
5	Malta	16.10	95.35	0.96	●	77	Indonesia	0.62	3.67	0.23	
6	Luxembourg (2011)	13.63	80.76	0.95		78	Costa Rica	0.62	3.67	0.22	
7	Hong Kong (China)	12.75	75.54	0.94		79	Colombia	0.62	3.66	0.21	
8	Nigeria	11.57	68.55	0.93	●	80	South Africa	0.54	3.20	0.20	○
9	Estonia (2011)	10.34	61.27	0.92		81	Iran, Islamic Rep. (2005)	0.53	3.13	0.19	
10	Ireland (2011)	9.16	54.24	0.91		82	Lao PDR	0.53	3.12	0.18	
11	Denmark (2011)	8.37	49.57	0.90		83	China	0.47	2.81	0.17	
12	Mongolia	7.94	47.01	0.89	●	84	Venezuela, Bolivarian Rep.	0.47	2.80	0.16	
13	Latvia (2011)	7.24	42.87	0.88	●	85	Burkina Faso	0.47	2.78	0.15	
14	Norway (2011)	6.93	41.07	0.87		86	Panama (2005)	0.47	2.78	0.14	
15	Gabon	6.64	39.33	0.86	●	87	Peru	0.42	2.50	0.13	○
16	Sweden (2011)	6.31	37.39	0.85		88	Niger	0.40	2.38	0.12	
17	Finland (2011)	6.28	37.17	0.84		89	Moldova, Rep.	0.37	2.18	0.11	○
18	Uruguay	6.18	36.62	0.83	●	90	Kyrgyzstan	0.29	1.69	0.10	
19	Spain (2011)	5.93	35.11	0.82		91	Nicaragua	0.28	1.67	0.09	○
20	Austria (2011)	5.87	34.79	0.81		92	El Salvador (2008)	0.26	1.56	0.08	○
21	France (2011)	4.83	28.59	0.80		93	Pakistan	0.26	1.52	0.07	
22	Czech Republic (2011)	4.77	28.25	0.79		94	Honduras	0.22	1.33	0.06	○
23	Japan (2011)	4.64	27.49	0.78		95	Viet Nam	0.19	1.14	0.05	○
24	New Zealand	4.60	27.24	0.77		96	Ukraine	0.15	0.87	0.04	○
25	Belgium (2011)	4.53	26.82	0.76		97	Tunisia	0.13	0.80	0.03	○
26	Portugal (2011)	4.43	26.25	0.75		98	Guatemala	0.13	0.76	0.02	○
27	Georgia	4.42	26.16	0.74		99	Mozambique (2006)	0.09	0.52	0.01	○
28	Korea, Rep.	4.34	25.69	0.73		100	Oman	0.00	0.00	0.00	○
29	Bolivia, Plurinational St.	4.22	24.98	0.72	●	n/a	Albania	n/a	n/a	n/a	
30	Israel	4.01	23.78	0.71		n/a	Algeria	n/a	n/a	n/a	
31	Netherlands (2011)	3.95	23.37	0.70		n/a	Angola	n/a	n/a	n/a	
32	Hungary (2011)	3.79	22.48	0.69		n/a	Bahrain	n/a	n/a	n/a	
33	Serbia	3.68	21.80	0.68		n/a	Belize	n/a	n/a	n/a	
34	United States of America (2011)	3.49	20.64	0.67		n/a	Benin	n/a	n/a	n/a	
35	Canada	3.26	19.34	0.66		n/a	Botswana	n/a	n/a	n/a	
36	Cambodia	3.07	18.17	0.65		n/a	Brunei Darussalam	n/a	n/a	n/a	
37	Italy (2011)	3.06	18.10	0.64		n/a	Burundi	n/a	n/a	n/a	
38	Australia	2.87	17.00	0.63		n/a	Côte d'Ivoire	n/a	n/a	n/a	
39	Lebanon	2.73	16.16	0.62		n/a	Ecuador	n/a	n/a	n/a	
40	Germany (2011)	2.68	15.90	0.61		n/a	Ethiopia	n/a	n/a	n/a	
41	Slovenia (2011)	2.66	15.74	0.60		n/a	Gambia	n/a	n/a	n/a	
42	Croatia (2011)	2.51	14.88	0.59		n/a	Ghana	n/a	n/a	n/a	
43	Lithuania (2011)	2.45	14.52	0.58		n/a	Jamaica	n/a	n/a	n/a	
44	Azerbaijan	2.40	14.19	0.57		n/a	Jordan	n/a	n/a	n/a	
45	Armenia	2.29	13.56	0.56		n/a	Kenya	n/a	n/a	n/a	
46	Argentina	2.25	13.33	0.55		n/a	Kuwait	n/a	n/a	n/a	
47	United Kingdom (2011)	2.16	12.81	0.54		n/a	Lesotho	n/a	n/a	n/a	
48	Bulgaria (2011)	2.16	12.81	0.53		n/a	Madagascar	n/a	n/a	n/a	
49	Bosnia and Herzegovina	2.13	12.62	0.52		n/a	Malawi	n/a	n/a	n/a	
50	Greece (2011)	2.10	12.41	0.51		n/a	Mali	n/a	n/a	n/a	
51	Tajikistan	1.97	11.65	0.49		n/a	Montenegro	n/a	n/a	n/a	
52	Cameroon	1.83	10.81	0.48	●	n/a	Nepal	n/a	n/a	n/a	
53	Fiji	1.72	10.21	0.47		n/a	Qatar	n/a	n/a	n/a	
54	Slovakia (2011)	1.67	9.89	0.46		n/a	Rwanda	n/a	n/a	n/a	
55	India	1.61	9.56	0.45		n/a	Saudi Arabia	n/a	n/a	n/a	
56	Singapore	1.59	9.40	0.44	○	n/a	Senegal	n/a	n/a	n/a	
57	Poland (2011)	1.53	9.06	0.43		n/a	Sri Lanka	n/a	n/a	n/a	
58	Malaysia	1.45	8.61	0.42		n/a	Sudan	n/a	n/a	n/a	
59	Philippines	1.40	8.32	0.41		n/a	Swaziland	n/a	n/a	n/a	
60	Turkey (2011)	1.32	7.82	0.40		n/a	Syrian Arab Rep.	n/a	n/a	n/a	
61	Romania (2011)	1.26	7.45	0.39		n/a	Tanzania, United Rep.	n/a	n/a	n/a	
62	Paraguay	1.25	7.43	0.38		n/a	Togo	n/a	n/a	n/a	
63	Cyprus (2011)	1.22	7.21	0.37		n/a	Trinidad and Tobago	n/a	n/a	n/a	
64	Chile	1.16	6.84	0.36		n/a	Uganda	n/a	n/a	n/a	
65	Belarus	1.11	6.58	0.35		n/a	United Arab Emirates	n/a	n/a	n/a	
66	Kazakhstan	1.07	6.34	0.34		n/a	Uzbekistan	n/a	n/a	n/a	
67	Dominican Republic	0.95	5.63	0.33		n/a	Yemen	n/a	n/a	n/a	
68	Mexico	0.89	5.25	0.32		n/a	Zambia	n/a	n/a	n/a	
69	Egypt	0.89	5.25	0.31		n/a	Zimbabwe	n/a	n/a	n/a	
70	Namibia (2005)	0.81	4.83	0.30							
71	Thailand	0.73	4.35	0.29							
72	Russian Federation (2011)	0.68	4.03	0.28							

SOURCE: UNESCO Institute for Statistics, *UIS online database*; complemented by United Nations database *UNdata* and Euromonitor *Passport GMID* (Global Market Information Database); World Bank and OECD GDP estimates, World Bank *World Development Indicators* database (2005–11)

7.2.3 Daily newspapers circulation

Paid-for dailies average circulation (per thousand population 15–69 years old)^a | 2009

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Norway	604.20	100.00	1.00	●	73	Jamaica	64.84	10.65	0.47	
2	Japan	562.80	93.14	0.99	●	74	Mexico	64.52	10.60	0.46	
3	Finland	537.94	89.02	0.99		75	Viet Nam	64.18	10.54	0.45	
4	Kuwait	505.74	83.69	0.98	●	76	Uruguay	64.04	10.52	0.44	
5	Sweden	485.53	80.34	0.97		77	Guyana	63.31	10.40	0.44	
6	Hong Kong (China)	400.84	66.31	0.96		78	Guatemala	63.06	10.36	0.43	
7	Switzerland	383.49	63.44	0.96		79	Brazil	60.89	10.00	0.42	
8	Austria	377.33	62.42	0.95	●	80	Pakistan	58.16	9.55	0.41	
9	Korea, Rep.	351.43	58.13	0.94		81	Tunisia	53.82	8.83	0.41	
10	Germany	333.65	55.18	0.93	●	82	Nicaragua	48.01	7.86	0.40	
11	Malta	321.98	53.25	0.93		83	Chile	47.95	7.85	0.39	
12	United Kingdom	321.02	53.09	0.92		84	South Africa	47.90	7.85	0.39	
13	Luxembourg	315.13	52.12	0.91		85	Honduras	42.63	6.97	0.38	
14	Netherlands	297.35	49.17	0.90		86	Argentina	41.67	6.81	0.37	
15	Singapore	269.83	44.61	0.90		87	Sri Lanka	40.72	6.66	0.36	
16	Denmark	269.77	44.60	0.89		88	Namibia	40.28	6.58	0.36	
17	Belarus	249.44	41.23	0.88	●	89	Nepal	39.13	6.39	0.35	
18	Ireland	244.68	40.44	0.87		90	Colombia	39.02	6.38	0.34	
19	Estonia	233.63	38.61	0.87		91	Dominican Republic	38.84	6.35	0.33	
20	Lithuania	233.55	38.60	0.86	●	92	Swaziland	36.25	5.92	0.33	
21	Iceland	224.85	37.16	0.85		93	Indonesia	34.80	5.68	0.32	
22	United States of America	212.39	35.09	0.84		94	Syrian Arab Rep.	31.48	5.13	0.31	
23	New Zealand	207.58	34.30	0.84		95	Albania	30.98	5.04	0.30	
24	Bahrain	207.12	34.22	0.83		96	Iran, Islamic Rep.	29.90	4.86	0.30	
25	Slovenia	197.31	32.60	0.82		97	Senegal	29.80	4.85	0.29	
26	Belgium	184.79	30.52	0.81		98	Paraguay	28.85	4.69	0.28	
27	United Arab Emirates	180.02	29.73	0.81		99	Kazakhstan	28.55	4.64	0.27	
28	Czech Republic	172.44	28.48	0.80		100	Bolivia, Plurinational St.	26.15	4.24	0.27	
29	France	170.88	28.22	0.79		101	Mongolia	25.93	4.21	0.26	
30	Croatia	167.78	27.71	0.79		102	Gabon	22.13	3.58	0.25	
31	Hungary	167.70	27.69	0.78		103	Armenia	19.22	3.10	0.24	
32	Canada	165.92	27.40	0.77		104	Kyrgyzstan	18.59	2.99	0.24	
33	Australia	158.34	26.14	0.76		105	Côte d'Ivoire	18.21	2.93	0.23	
34	Bulgaria	155.66	25.70	0.76		106	Azerbaijan	17.96	2.89	0.22	
35	Serbia	148.89	24.58	0.75		107	Morocco	15.78	2.53	0.21	
36	Thailand	148.85	24.57	0.74		108	Bangladesh	15.62	2.50	0.21	
37	Israel	147.89	24.41	0.73		109	Ghana	14.23	2.27	0.20	
38	Moldova, Rep.	147.40	24.33	0.73		110	Kenya	14.07	2.24	0.19	
39	Brunei Darussalam	147.00	24.26	0.72		111	Georgia	13.56	2.16	0.19	
40	Oman	143.38	23.66	0.71		112	Yemen	13.50	2.15	0.18	
41	Trinidad and Tobago	139.70	23.05	0.70		113	Zambia	12.11	1.92	0.17	
42	Malaysia	139.66	23.05	0.70		114	Benin	10.70	1.68	0.16	
43	India	137.68	22.72	0.69		115	Madagascar	10.47	1.65	0.16	
44	Montenegro	137.11	22.62	0.68		116	Botswana	8.57	1.33	0.15	
45	Greece	135.65	22.38	0.67		117	Tanzania, United Rep.	7.17	1.10	0.14	
46	Latvia	131.71	21.73	0.67		118	Cameroon	6.85	1.05	0.13	
47	Cyprus	123.69	20.40	0.66		119	Cambodia	6.35	0.96	0.13	
48	Spain	118.11	19.48	0.65		120	Uganda	6.18	0.94	0.12	
49	Italy	113.22	18.67	0.64		121	Nigeria	5.63	0.84	0.11	
50	Mauritius	110.84	18.27	0.64		122	Zimbabwe	5.49	0.82	0.10	
51	Poland	110.43	18.20	0.63		123	Mali	5.20	0.77	0.10	
52	China	108.98	17.97	0.62		124	Angola	4.38	0.64	0.09	
53	Algeria	106.85	17.61	0.61	●	125	Gambia	4.36	0.63	0.08	
54	Macedonia, FYR	104.79	17.27	0.61		126	Burkina Faso	4.22	0.61	0.07	
55	Slovakia	104.08	17.15	0.60		127	Burundi	4.09	0.59	0.07	
56	Saudi Arabia	103.85	17.11	0.59		128	Sudan	3.93	0.56	0.06	
57	Panama	99.69	16.43	0.59		129	Malawi	2.91	0.39	0.05	○
58	Venezuela, Bolivarian Rep.	94.99	15.65	0.58		130	Lao PDR	2.63	0.35	0.04	
59	Turkey	94.64	15.59	0.57		131	Ethiopia	2.03	0.25	0.04	
60	Lebanon	88.33	14.54	0.56		132	Rwanda	1.74	0.20	0.03	○
61	Qatar	88.05	14.50	0.56		133	Uzbekistan	1.66	0.19	0.02	○
62	Jordan	86.30	14.21	0.55		134	Mozambique	1.46	0.15	0.01	○
63	Costa Rica	84.27	13.87	0.54		135	Togo	1.46	0.15	0.01	○
64	Ukraine	84.07	13.84	0.53		136	Niger	0.54	0.00	0.00	○
65	Romania	77.79	12.80	0.53		n/a	Belize	n/a	n/a	n/a	
66	Egypt	77.36	12.73	0.52		n/a	Lesotho	n/a	n/a	n/a	
67	Ecuador	75.75	12.46	0.51		n/a	Peru	n/a	n/a	n/a	
68	El Salvador	72.52	11.92	0.50		n/a	Russian Federation	n/a	n/a	n/a	
69	Portugal	69.53	11.43	0.50		n/a	Tajikistan	n/a	n/a	n/a	
70	Fiji	68.96	11.34	0.49							
71	Bosnia and Herzegovina	67.48	11.09	0.48							
72	Philippines	66.71	10.96	0.47							

SOURCE: World Association of Newspapers and News Publishers, *World Press Trends* 2010

7.2.4 Creative goods exports

Creative goods exports (% of total exports) | 2010

403

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Panama	89.54	100.00	0.98	●	73	Jamaica	0.95	13.39	0.45	
1	Nepal	12.87	100.00	0.98	●	74	Zimbabwe	0.94	13.14	0.45	
1	Hong Kong (China)	7.11	100.00	0.98	●	75	Costa Rica	0.93	13.09	0.44	
4	Viet Nam (2009)	6.53	91.86	0.98	●	76	Fiji (2009)	0.89	12.52	0.43	
5	Pakistan	6.48	91.17	0.97	●	77	Macedonia, FYR (2009)	0.88	12.40	0.42	
6	Malta	6.47	91.05	0.96	●	78	New Zealand	0.88	12.29	0.42	○
7	India	6.23	87.62	0.95	●	79	Israel	0.86	12.02	0.41	○
8	China	6.19	87.09	0.95		80	Korea, Rep.	0.86	12.00	0.40	○
9	Madagascar	5.58	78.41	0.94	●	81	Montenegro	0.80	11.22	0.39	
10	Lebanon	5.35	75.28	0.93	●	82	Cambodia	0.78	11.00	0.39	
11	Italy	5.22	73.38	0.92	●	83	Japan	0.76	10.61	0.38	
12	Switzerland	4.92	69.22	0.92		84	Luxembourg	0.57	8.05	0.37	○
13	Mauritius	4.72	66.39	0.91	●	85	Peru	0.56	7.91	0.36	
14	Turkey	4.62	64.89	0.90	●	86	Guyana	0.51	7.19	0.36	
15	Moldova, Rep.	4.58	64.44	0.89	●	87	Chile	0.49	6.92	0.35	
16	United Kingdom	4.53	63.67	0.89		88	Brazil	0.46	6.44	0.34	
17	Egypt	4.26	59.91	0.88	●	89	Australia	0.45	6.31	0.33	○
18	Dominican Republic	3.99	56.05	0.87	●	90	Paraguay	0.44	6.19	0.33	
19	Denmark	3.86	54.27	0.86		91	Georgia	0.44	6.14	0.32	
20	Lithuania	3.80	53.44	0.86	●	92	South Africa	0.41	5.73	0.31	
21	Greece	3.62	50.88	0.85	●	93	Argentina	0.35	4.92	0.30	
22	Austria	3.54	49.78	0.84		94	Bahrain	0.33	4.62	0.30	
23	Czech Republic	3.45	48.45	0.83		95	Rwanda	0.33	4.55	0.29	
24	Estonia	3.26	45.86	0.83		96	Russian Federation	0.32	4.44	0.28	
25	Poland	3.11	43.70	0.82		97	Ethiopia	0.32	4.40	0.27	
26	France	3.00	42.14	0.81		98	Senegal	0.31	4.27	0.27	
27	Croatia	2.82	39.62	0.80	●	99	Burundi	0.30	4.21	0.26	
28	Thailand	2.78	39.09	0.80		100	Mongolia (2007)	0.27	3.78	0.25	
29	Jordan	2.75	38.65	0.79	●	101	Uganda	0.26	3.66	0.24	
30	Portugal	2.72	38.16	0.78		102	Saudi Arabia	0.25	3.45	0.23	
31	Latvia	2.70	37.88	0.77		103	Kuwait (2009)	0.24	3.34	0.23	
32	Sweden	2.62	36.81	0.77		104	Norway	0.24	3.28	0.22	○
33	El Salvador	2.62	36.76	0.76	●	105	Malawi	0.22	3.04	0.21	
34	United States of America	2.51	35.25	0.75		106	Oman	0.22	3.01	0.20	
35	Romania	2.35	33.04	0.74		107	Trinidad and Tobago (2009)	0.18	2.55	0.20	
36	Bosnia and Herzegovina	2.34	32.89	0.73	●	108	Burkina Faso	0.18	2.50	0.19	
37	Slovenia	2.30	32.32	0.73		109	Ecuador	0.18	2.49	0.18	
38	Germany	2.24	31.44	0.72		110	Honduras (2009)	0.17	2.41	0.17	
39	Tanzania, United Rep.	2.21	31.03	0.71	●	111	Kyrgyzstan	0.17	2.36	0.17	
40	Cyprus	2.12	29.75	0.70		112	Nicaragua	0.15	2.02	0.16	
41	Spain	2.10	29.45	0.70		113	Botswana	0.14	1.95	0.15	
42	Sri Lanka	2.04	28.71	0.69	●	114	Brunei Darussalam (2004)	0.11	1.51	0.14	○
43	Malaysia	2.02	28.33	0.68		115	Côte d'Ivoire	0.11	1.46	0.14	
44	United Arab Emirates (2008)	1.99	27.96	0.67		116	Ghana	0.10	1.37	0.13	
45	Singapore	1.98	27.78	0.67		117	Iceland	0.10	1.33	0.12	○
46	Albania	1.98	27.76	0.66		118	Yemen (2009)	0.06	0.87	0.11	
47	Belgium	1.83	25.77	0.65		119	Benin (2006)	0.06	0.80	0.11	
48	Serbia	1.83	25.74	0.64		120	Qatar (2009)	0.06	0.78	0.10	○
49	Canada	1.82	25.51	0.64		121	Mali	0.06	0.77	0.09	
50	Slovakia	1.74	24.42	0.63		122	Belize	0.04	0.54	0.08	○
51	Tunisia	1.69	23.71	0.62		123	Niger	0.04	0.48	0.08	
52	Syrian Arab Rep. (2008)	1.61	22.64	0.61	●	124	Zambia	0.04	0.46	0.07	
53	Armenia	1.58	22.26	0.61		125	Kazakhstan (2009)	0.03	0.40	0.06	○
54	Togo	1.56	21.98	0.60	●	126	Cameroon	0.03	0.39	0.05	○
55	Belarus	1.50	21.05	0.59		127	Nigeria	0.02	0.30	0.05	
56	Guatemala	1.45	20.42	0.58		128	Azerbaijan	0.02	0.28	0.04	○
57	Bangladesh (2007)	1.44	20.25	0.58		129	Venezuela, Bolivarian Rep.	0.01	0.17	0.03	
58	Netherlands	1.44	20.17	0.57		130	Mozambique	0.01	0.17	0.02	○
59	Bulgaria	1.38	19.45	0.56		131	Algeria	0.00	0.01	0.02	○
60	Mexico	1.35	18.93	0.55		132	Sudan (2009)	0.00	0.00	0.01	○
61	Ireland	1.32	18.50	0.55	○	133	Gabon (2009)	0.00	0.00	0.00	○
62	Uruguay (2009)	1.26	17.68	0.54		n/a	Angola	n/a	n/a	n/a	
63	Bolivia, Plurinational St.	1.26	17.66	0.53		n/a	Gambia	n/a	n/a	n/a	
64	Iran, Islamic Rep.	1.23	17.21	0.52		n/a	Indonesia	n/a	n/a	n/a	
65	Ukraine	1.18	16.56	0.52		n/a	Lao PDR	n/a	n/a	n/a	
66	Colombia	1.11	15.60	0.51		n/a	Lesotho	n/a	n/a	n/a	
67	Namibia (2008)	1.11	15.55	0.50		n/a	Swaziland	n/a	n/a	n/a	
68	Morocco	1.09	15.27	0.49		n/a	Tajikistan	n/a	n/a	n/a	
69	Hungary	1.04	14.57	0.48		n/a	Uzbekistan	n/a	n/a	n/a	
70	Philippines	1.03	14.41	0.48							
71	Kenya	1.03	14.40	0.47							
72	Finland	0.99	13.85	0.46	○						

SOURCE: UNCTAD, Creative Economy Report, UNCTADStat (2004–10)

7.2.5 Creative services exports

Creative services: Exports (% of total services exports) | 2010

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Malta	70.33	100.00	0.99	●	73	Niger (2008)	0.87	2.93	0.35	
1	Netherlands	29.46	100.00	0.99	●	74	Philippines	0.83	2.81	0.34	
3	Kyrgyzstan	21.66	73.51	0.98	●	75	Mali (2009)	0.82	2.76	0.33	
4	Brazil	20.45	69.41	0.97	●	76	Chile	0.80	2.72	0.32	○
5	Hungary	19.55	66.37	0.96	●	77	Burkina Faso (2009)	0.79	2.68	0.32	
6	Canada	19.35	65.69	0.95		78	Denmark	0.72	2.43	0.31	○
7	Serbia	18.86	64.01	0.95	●	79	Malawi (2009)	0.65	2.19	0.30	
8	Russian Federation	15.89	53.92	0.94	●	80	Côte d'Ivoire (2008)	0.63	2.13	0.29	
9	Germany	13.84	46.99	0.93		81	Sweden	0.62	2.10	0.28	○
10	Mozambique	13.81	46.86	0.92	●	82	Indonesia	0.62	2.10	0.27	
11	Swaziland	12.40	42.09	0.91	●	83	Bolivia, Plurinational St.	0.62	2.09	0.26	
12	Argentina	12.27	41.65	0.90	●	84	Mauritius	0.59	1.99	0.25	○
13	Romania	12.07	40.97	0.89	●	85	Namibia	0.57	1.93	0.24	
14	Macedonia, FYR	12.04	40.87	0.88	●	86	South Africa	0.48	1.61	0.23	
15	Belgium	11.59	39.34	0.87		87	Madagascar (2005)	0.37	1.25	0.23	
16	Norway	11.45	38.84	0.86		88	Bosnia and Herzegovina	0.36	1.20	0.22	
17	Austria	10.90	36.97	0.86		89	Fiji (2009)	0.35	1.18	0.21	
18	Poland	10.78	36.57	0.85	●	90	Tunisia	0.33	1.12	0.20	○
19	Ecuador	9.72	32.98	0.84	●	91	Benin (2009)	0.33	1.12	0.19	
20	Colombia	9.68	32.86	0.83	●	92	Senegal (2009)	0.32	1.07	0.18	
21	Czech Republic	9.29	31.52	0.82		93	Iceland (2009)	0.28	0.93	0.17	○
22	Algeria (2009)	8.27	28.08	0.81	●	94	Tajikistan	0.23	0.78	0.16	
23	Ukraine	7.73	26.23	0.80	●	95	Peru	0.20	0.65	0.15	
24	Spain	7.66	26.01	0.79		96	Singapore	0.19	0.65	0.14	○
25	Portugal	7.65	25.97	0.78		97	Guatemala	0.18	0.62	0.14	
26	Slovenia	7.56	25.64	0.77		98	Costa Rica	0.18	0.60	0.13	○
27	Latvia	7.28	24.71	0.77		99	Japan	0.17	0.56	0.12	○
28	Lebanon	7.23	24.55	0.76		100	Hong Kong (China) (2009)	0.16	0.52	0.11	○
29	Australia (2008)	7.14	24.24	0.75		101	Mongolia	0.12	0.39	0.10	○
30	Croatia	6.90	23.41	0.74		102	Tanzania, United Rep.	0.12	0.39	0.09	
31	Italy	6.68	22.65	0.73		103	El Salvador	0.09	0.28	0.08	○
32	Bulgaria	6.51	22.09	0.72		104	Kenya	0.06	0.18	0.07	○
33	Albania	5.92	20.07	0.71		105	Cambodia	0.05	0.17	0.06	
34	New Zealand	5.49	18.63	0.70		106	Ethiopia	0.04	0.14	0.05	
35	Slovakia	5.46	18.52	0.69		107	Togo (2009)	0.04	0.14	0.05	
36	United States of America	5.35	18.15	0.68		108	Lesotho	0.03	0.10	0.04	○
37	Turkey	5.31	18.01	0.68		109	Rwanda	0.03	0.09	0.03	○
38	Armenia	5.26	17.85	0.67		110	Uruguay	0.03	0.09	0.02	○
39	Estonia	5.11	17.34	0.66		111	Panama (2006)	0.02	0.05	0.01	○
40	Angola	4.65	15.79	0.65	●	112	Switzerland	0.00	0.00	0.00	○
41	Venezuela, Bolivarian Rep.	4.64	15.74	0.64	●	n/a	Bahrain	n/a	n/a	n/a	
42	Montenegro	4.55	15.44	0.63		n/a	Belize	n/a	n/a	n/a	
43	Malaysia (2009)	4.49	15.23	0.62		n/a	Brunei Darussalam	n/a	n/a	n/a	
44	Belarus	4.08	13.83	0.61		n/a	Burundi	n/a	n/a	n/a	
45	Finland	3.57	12.10	0.60		n/a	Dominican Republic	n/a	n/a	n/a	
46	Moldova, Rep.	3.55	12.03	0.59		n/a	Gabon	n/a	n/a	n/a	
47	Guyana (2008)	3.51	11.91	0.59		n/a	Gambia	n/a	n/a	n/a	
48	Kazakhstan	3.45	11.71	0.58		n/a	Ghana	n/a	n/a	n/a	
49	India	3.44	11.67	0.57		n/a	Iran, Islamic Rep.	n/a	n/a	n/a	
50	Paraguay	3.21	10.87	0.56		n/a	Israel	n/a	n/a	n/a	
51	Lithuania	3.20	10.85	0.55		n/a	Jordan	n/a	n/a	n/a	
52	Luxembourg	2.94	9.96	0.54		n/a	Kuwait	n/a	n/a	n/a	
53	Azerbaijan	2.82	9.56	0.53		n/a	Lao PDR	n/a	n/a	n/a	
54	Korea, Rep.	2.68	9.08	0.52		n/a	Nepal	n/a	n/a	n/a	
55	Jamaica	2.50	8.48	0.51		n/a	Nicaragua	n/a	n/a	n/a	
56	United Kingdom	2.42	8.20	0.50	○	n/a	Nigeria	n/a	n/a	n/a	
57	Ireland	2.28	7.72	0.50	○	n/a	Oman	n/a	n/a	n/a	
58	Georgia	2.23	7.55	0.49		n/a	Qatar	n/a	n/a	n/a	
59	France	2.08	7.04	0.48		n/a	Saudi Arabia	n/a	n/a	n/a	
60	Bangladesh	2.04	6.91	0.47		n/a	Sri Lanka	n/a	n/a	n/a	
61	Syrian Arab Rep.	2.00	6.77	0.46	●	n/a	Thailand	n/a	n/a	n/a	
62	China	1.83	6.20	0.45		n/a	Trinidad and Tobago	n/a	n/a	n/a	
63	Greece	1.64	5.54	0.44		n/a	Uganda	n/a	n/a	n/a	
64	Cameroon	1.51	5.10	0.43		n/a	United Arab Emirates	n/a	n/a	n/a	
65	Pakistan	1.48	5.02	0.42		n/a	Uzbekistan	n/a	n/a	n/a	
66	Sudan	1.31	4.42	0.41		n/a	Viet Nam	n/a	n/a	n/a	
67	Botswana	1.23	4.17	0.41		n/a	Yemen	n/a	n/a	n/a	
68	Honduras	1.15	3.88	0.40		n/a	Zambia	n/a	n/a	n/a	
69	Cyprus	1.13	3.81	0.39		n/a	Zimbabwe	n/a	n/a	n/a	
70	Mexico	1.04	3.51	0.38							
71	Egypt	1.01	3.42	0.37							
72	Morocco	0.92	3.10	0.36							

SOURCE: UNCTAD, Creative Economy Report, UNCTADStat (2005–10)

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Belize	100.00	100.00	0.97	●	73	Bahrain	3.04	3.04	0.49	
1	Montenegro	100.00	100.00	0.97	●	74	Serbia	2.97	2.97	0.48	
1	Netherlands	100.00	100.00	0.97	●	75	Trinidad and Tobago	2.86	2.86	0.47	
1	Switzerland	100.00	100.00	0.97	●	76	Peru	2.79	2.79	0.46	
1	United Kingdom	100.00	100.00	0.97	●	77	Saudi Arabia	2.45	2.45	0.46	
6	Denmark	99.65	99.65	0.96	●	78	Dominican Republic	2.33	2.33	0.45	
7	Germany	98.94	98.94	0.96	●	79	Iran, Islamic Rep.	2.25	2.25	0.44	
8	United States of America	91.19	91.19	0.95		80	Ecuador	2.25	2.25	0.44	
9	Luxembourg	85.17	85.17	0.94		81	Paraguay	2.24	2.24	0.43	
10	Norway	74.46	74.46	0.94		82	Gabon	2.13	2.13	0.42	
11	Australia	73.86	73.86	0.93		83	Albania	2.12	2.12	0.41	
12	Sweden	73.51	73.51	0.92		84	Bolivia, Plurinational St.	2.02	2.02	0.41	
13	Austria	72.85	72.85	0.91		85	Moldova, Rep.	1.98	1.98	0.40	
14	Canada	66.56	66.56	0.91		86	Georgia	1.93	1.93	0.39	
15	Iceland	63.93	63.93	0.90		87	China	1.91	1.91	0.39	
16	New Zealand	59.96	59.96	0.89		88	Mongolia	1.85	1.85	0.38	
17	Belgium	58.19	58.19	0.89		89	Belarus	1.81	1.81	0.37	
18	Ireland	51.49	51.49	0.88		90	Tunisia	1.79	1.79	0.36	
19	Hong Kong (China)	51.36	51.36	0.87		91	Tajikistan	1.40	1.40	0.36	
20	France	39.88	39.88	0.86		92	Guyana	1.28	1.28	0.35	
21	Czech Republic	37.52	37.52	0.86		93	Kazakhstan	1.23	1.23	0.34	
22	Malta	37.10	37.10	0.85		94	Philippines	1.21	1.21	0.34	
23	Cyprus	35.20	35.20	0.84		95	Oman	1.16	1.16	0.33	
24	Spain	32.17	32.17	0.84		96	Sri Lanka	1.10	1.10	0.32	
25	Finland	31.61	31.61	0.83		97	El Salvador	1.04	1.04	0.31	
26	Slovenia	30.24	30.24	0.82		98	Morocco	1.03	1.03	0.31	
27	Israel	28.68	28.68	0.81		99	India	1.02	1.02	0.30	
28	Italy	27.07	27.07	0.81		100	Nicaragua	0.97	0.97	0.29	
29	Hungary	26.95	26.95	0.80		101	Gambia	0.94	0.94	0.29	
30	Portugal	26.61	26.61	0.79		102	Kenya	0.87	0.87	0.28	
31	Estonia	26.49	26.49	0.79		103	Azerbaijan	0.82	0.82	0.27	
32	Poland	25.92	25.92	0.78		104	Lao PDR	0.73	0.73	0.26	
33	Argentina	25.85	25.85	0.77		105	Indonesia	0.71	0.71	0.26	
34	Singapore	23.37	23.37	0.76		106	Nepal	0.66	0.66	0.25	
35	Latvia	20.30	20.30	0.76		107	Syrian Arab Rep.	0.63	0.63	0.24	
36	Slovakia	19.31	19.31	0.75		108	Egypt	0.63	0.63	0.24	
37	Lithuania	18.77	18.77	0.74		109	Swaziland	0.63	0.63	0.23	
38	Panama	17.93	17.93	0.74		110	Honduras	0.60	0.60	0.22	
39	Greece	17.38	17.38	0.73		111	Kyrgyzstan	0.44	0.44	0.21	
40	Croatia	14.48	14.48	0.72		112	Ghana	0.42	0.42	0.21	
41	Japan	12.97	12.97	0.71		113	Pakistan	0.36	0.36	0.20	
42	Korea, Rep.	12.96	12.96	0.71		114	Niger	0.32	0.32	0.19	
43	Bulgaria	12.49	12.49	0.70		115	Senegal	0.32	0.32	0.19	
44	Colombia	12.09	12.09	0.69		116	Malawi	0.31	0.31	0.18	
45	Romania	11.77	11.77	0.69		117	Benin	0.30	0.30	0.17	
46	Russian Federation	11.04	11.04	0.68		118	Botswana	0.29	0.29	0.16	
47	United Arab Emirates	11.02	11.02	0.67		119	Nigeria	0.29	0.29	0.16	
48	Chile	9.34	9.34	0.66		120	Rwanda	0.28	0.28	0.15	
49	Turkey	9.22	9.22	0.66		121	Bangladesh	0.27	0.27	0.14	
50	Namibia	7.53	7.53	0.65		122	Uzbekistan	0.26	0.26	0.14	
51	South Africa	7.36	7.36	0.64		123	Cambodia	0.26	0.26	0.13	
52	Ukraine	6.83	6.83	0.64		124	Yemen	0.23	0.23	0.12	
53	Brazil	6.57	6.57	0.63		125	Uganda	0.21	0.21	0.11	
54	Lebanon	6.55	6.55	0.62		126	Lesotho	0.20	0.20	0.11	
55	Costa Rica	6.51	6.51	0.61		127	Burundi	0.19	0.19	0.10	
56	Uruguay	6.32	6.32	0.61		128	Zimbabwe	0.18	0.18	0.09	
57	Kuwait	6.06	6.06	0.60		129	Algeria	0.17	0.17	0.09	
58	Mauritius	5.98	5.98	0.59		130	Côte d'Ivoire	0.16	0.16	0.08	
59	Fiji	5.50	5.50	0.59		131	Angola	0.14	0.14	0.07	
60	Malaysia	5.45	5.45	0.58		132	Cameroon	0.14	0.14	0.06	○
61	Qatar	4.59	4.59	0.57		133	Tanzania, United Rep.	0.11	0.11	0.06	
62	Macedonia, FYR	4.37	4.37	0.56		134	Sudan	0.08	0.08	0.05	
63	Brunei Darussalam	4.24	4.24	0.56		135	Mozambique	0.05	0.05	0.04	○
64	Viet Nam	4.03	4.03	0.55		136	Togo	0.04	0.04	0.04	
65	Guatemala	3.96	3.96	0.54		137	Zambia	0.03	0.03	0.03	○
66	Bosnia and Herzegovina	3.92	3.92	0.54		138	Madagascar	0.03	0.03	0.02	○
67	Venezuela, Bolivarian Rep.	3.83	3.83	0.53		139	Mali	0.01	0.01	0.01	○
68	Armenia	3.52	3.52	0.52		140	Burkina Faso	0.01	0.01	0.01	○
69	Jordan	3.52	3.52	0.51		141	Ethiopia	0.00	0.00	0.00	○
70	Mexico	3.51	3.51	0.51							
71	Thailand	3.47	3.47	0.50							
72	Jamaica	3.42	3.42	0.49							

SOURCE: ZookNIC

7.3.2 Country-code top-level domains (ccTLDs)

Country-code top-level domains ccTLDs (per thousand population 15–69 years old) | 2011

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Montenegro	100.00	100.00	1.00	●	73	China	21.06	21.06	0.48	
2	Netherlands	84.15	84.15	0.99	●	74	Paraguay	20.14	20.14	0.47	
3	Denmark	79.68	79.68	0.99	●	75	Albania	19.52	19.52	0.47	
4	Switzerland	79.59	79.59	0.98		76	Ecuador	19.51	19.51	0.46	
5	Germany	77.48	77.48	0.97	●	77	Peru	19.32	19.32	0.45	
6	Belize	77.05	77.05	0.96	●	78	Panama	18.65	18.65	0.45	
7	United Kingdom	75.93	75.93	0.96		79	Dominican Republic	18.61	18.61	0.44	
8	Sweden	73.14	73.14	0.95		80	Trinidad and Tobago	16.97	16.97	0.43	
9	Luxembourg	72.87	72.87	0.94		81	Lao PDR (2005)	16.00	16.00	0.42	
10	Austria	72.80	72.80	0.94	●	82	Azerbaijan	15.02	15.02	0.42	
11	Belgium	71.44	71.44	0.93	●	83	Morocco	14.96	14.96	0.41	
12	Iceland	71.25	71.25	0.92		84	Nicaragua	14.37	14.37	0.40	
13	Norway	70.91	70.91	0.91		85	Swaziland	13.51	13.51	0.40	
14	New Zealand	70.40	70.40	0.91		86	Kuwait	13.20	13.20	0.39	
15	Australia	69.69	69.69	0.90		87	Nepal	12.92	12.92	0.38	
16	Czech Republic	66.09	66.09	0.89		88	Kyrgyzstan	12.85	12.85	0.37	
17	Argentina	63.05	63.05	0.88	●	89	Saudi Arabia	12.47	12.47	0.37	
18	Hungary	61.86	61.86	0.88		90	India	11.98	11.98	0.36	
19	Poland	61.62	61.62	0.87	●	91	El Salvador	11.97	11.97	0.35	
20	Finland	60.37	60.37	0.86		92	Philippines (2005)	11.93	11.93	0.35	
21	Canada	60.32	60.32	0.86		93	Honduras	11.60	11.60	0.34	
22	Estonia	59.29	59.29	0.85		94	Thailand	11.51	11.51	0.33	
23	Slovenia	58.92	58.92	0.84		95	Bolivia, Plurinational St.	11.38	11.38	0.32	
24	Slovakia	58.18	58.18	0.83	●	96	Guatemala	11.07	11.07	0.32	
25	Latvia	56.83	56.83	0.83		97	Jordan	10.57	10.57	0.31	
26	Lithuania	56.80	56.80	0.82		98	Gambia (2009)	10.27	10.27	0.30	
27	Ireland	56.34	56.34	0.81		99	Lebanon (2010)	9.73	9.73	0.29	
28	Italy	56.17	56.17	0.81		100	Kenya	8.59	8.59	0.29	
29	Portugal	55.81	55.81	0.80		101	Bahrain (2003)	8.41	8.41	0.28	
30	France	55.30	55.30	0.79		102	Uzbekistan	7.62	7.62	0.27	
31	Israel	54.27	54.27	0.78		103	Tunisia	6.62	6.62	0.27	
32	Greece	53.80	53.80	0.78		104	Sri Lanka	6.42	6.42	0.26	
33	Spain	53.25	53.25	0.77		105	Senegal	5.86	5.86	0.25	
34	Russian Federation	52.39	52.39	0.76		106	Lesotho (2007)	5.27	5.27	0.24	
35	Hong Kong (China)	50.86	50.86	0.76		107	Gabon	4.47	4.47	0.24	
36	Romania	50.71	50.71	0.75		108	Botswana (2003)	3.85	3.85	0.23	
37	Colombia	50.67	50.67	0.74		109	Malawi	2.81	2.81	0.22	
38	Singapore	50.15	50.15	0.73		110	Burundi	2.70	2.70	0.22	
39	Chile	48.00	48.00	0.73		111	Uganda (2009)	2.56	2.56	0.21	
40	Korea, Rep.	47.98	47.98	0.72		112	Tanzania, United Rep.	2.34	2.34	0.20	
41	Croatia	46.59	46.59	0.71		113	Côte d'Ivoire	2.21	2.21	0.19	
42	South Africa	43.22	43.22	0.71		114	Cambodia	2.19	2.19	0.19	
43	Brazil	42.74	42.74	0.70		115	Mozambique (2008)	2.03	2.03	0.18	
44	Malta	42.21	42.21	0.69		116	Belarus (2003)	2.02	2.02	0.17	○
45	Ukraine	41.33	41.33	0.68		117	Namibia	2.01	2.01	0.17	
46	United Arab Emirates (2008)	40.62	40.62	0.68		118	Rwanda (2003)	1.99	1.99	0.16	
47	Uruguay	39.11	39.11	0.67		119	Indonesia (2005)	1.82	1.82	0.15	
48	Japan	38.09	38.09	0.66		120	Egypt (2009)	1.51	1.51	0.14	○
49	Viet Nam	35.61	35.61	0.65		121	Qatar (2003)	1.45	1.45	0.14	○
50	Cyprus	35.08	35.08	0.65		122	Zimbabwe	1.33	1.33	0.13	
51	Venezuela, Bolivarian Rep.	33.91	33.91	0.64	●	123	Pakistan (2003)	1.24	1.24	0.12	
52	Serbia	33.30	33.30	0.63		124	Madagascar (2010)	1.17	1.17	0.12	
53	Mauritius (2009)	30.60	30.60	0.63		125	Benin	1.00	1.00	0.11	
54	United States of America	30.42	30.42	0.62		126	Algeria (2009)	0.99	0.99	0.10	
55	Malaysia	30.31	30.31	0.61		127	Yemen	0.82	0.82	0.09	
56	Armenia	30.25	30.25	0.60		128	Cameroon (2009)	0.76	0.76	0.09	
57	Mexico	29.17	29.17	0.60		129	Bangladesh (2010)	0.68	0.68	0.08	
58	Fiji (2009)	28.65	28.65	0.59		130	Angola	0.37	0.37	0.07	
59	Georgia	27.79	27.79	0.58		131	Ethiopia	0.29	0.29	0.06	
60	Turkey	26.24	26.24	0.58		132	Oman (2009)	0.27	0.27	0.06	○
61	Mongolia (2010)	25.56	25.56	0.57		133	Sudan (2008)	0.24	0.24	0.05	
62	Macedonia, FYR (2005)	24.68	24.68	0.56		134	Niger	0.24	0.24	0.04	
63	Bosnia and Herzegovina	24.24	24.24	0.55		135	Nigeria (2009)	0.21	0.21	0.04	
64	Tajikistan (2010)	23.94	23.94	0.55	●	136	Burkina Faso (2003)	0.15	0.15	0.03	○
65	Bulgaria (2010)	23.62	23.62	0.54		137	Zambia (2008)	0.05	0.05	0.02	○
66	Iran, Islamic Rep.	23.13	23.13	0.53		138	Ghana (2003)	0.04	0.04	0.01	○
67	Costa Rica	23.05	23.05	0.53		139	Mali (2003)	0.02	0.02	0.01	○
68	Moldova, Rep. (2003)	23.02	23.02	0.52		140	Syrian Arab Rep. (2003)	0.00	0.00	0.00	○
69	Brunei Darussalam	22.70	22.70	0.51		n/a	Togo	n/a	n/a	n/a	
70	Kazakhstan (2010)	21.74	21.74	0.50							
71	Guyana	21.73	21.73	0.50							
72	Jamaica	21.25	21.25	0.49							

SOURCE: ZookNIC (2003–11)

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Estonia	19,654.88	100.00	1.00	●	73	Dominican Republic	778.97	3.95	0.42	
2	Iceland	17,673.07	89.92	0.99	●	74	Ecuador	738.20	3.75	0.42	
3	Norway	17,624.87	89.67	0.98	●	75	Paraguay	735.07	3.73	0.41	
4	Finland	15,167.58	77.17	0.98		76	Venezuela, Bolivarian Rep.	720.14	3.66	0.40	
5	Israel	15,077.65	76.71	0.97	●	77	Philippines	601.01	3.05	0.39	
6	Luxembourg	13,634.08	69.36	0.96		78	Guatemala	499.19	2.53	0.38	
7	Sweden	13,527.54	68.82	0.95		79	Thailand	491.72	2.49	0.38	
8	Netherlands	11,586.53	58.95	0.94		80	Belize	428.12	2.17	0.37	
9	Belgium	9,721.68	49.46	0.94	●	81	Fiji	424.88	2.15	0.36	
10	United Kingdom	9,311.92	47.37	0.93		82	Mongolia	389.65	1.97	0.35	
11	France	8,893.05	45.24	0.92	●	83	Viet Nam	378.17	1.92	0.34	
12	New Zealand	8,446.11	42.97	0.91		84	Iran, Islamic Rep.	367.91	1.86	0.34	
13	Hong Kong (China)	8,435.77	42.91	0.90		85	Panama	354.24	1.79	0.33	
14	Germany	8,222.97	41.83	0.90		86	Sri Lanka	342.51	1.73	0.32	
15	Italy	8,162.90	41.53	0.89	●	87	Lebanon	335.91	1.70	0.31	
16	Denmark	8,116.00	41.29	0.88		88	Bolivia, Plurinational St.	329.86	1.67	0.30	
17	Switzerland	8,060.57	41.01	0.87		89	Oman	294.62	1.49	0.30	
18	Ireland	7,894.48	40.16	0.86		90	Jamaica	278.62	1.41	0.29	
19	Canada	7,570.42	38.51	0.86		91	Nicaragua	276.33	1.40	0.28	
20	Slovenia	7,306.69	37.17	0.85		92	Tunisia	265.73	1.34	0.27	
21	Latvia	7,238.19	36.82	0.84		93	El Salvador	255.09	1.29	0.26	
22	Hungary	7,047.41	35.85	0.83		94	Egypt	245.12	1.24	0.26	
23	Czech Republic	7,029.04	35.76	0.82		95	Namibia	237.54	1.20	0.25	
24	Australia	6,958.95	35.40	0.82		96	Indonesia	233.67	1.18	0.24	
25	Spain	6,915.55	35.18	0.81		97	Morocco	228.65	1.15	0.23	
26	Lithuania	6,535.73	33.25	0.80		98	Botswana	191.30	0.96	0.22	
27	Austria	6,526.75	33.20	0.79		99	South Africa	178.02	0.90	0.22	○
28	Croatia	5,650.90	28.74	0.78		100	Algeria	161.22	0.81	0.21	
29	Bulgaria	5,226.93	26.59	0.78		101	Pakistan	139.25	0.70	0.20	
30	United States of America	5,004.93	25.46	0.77		102	India	131.49	0.66	0.19	
31	Poland	4,623.98	23.52	0.76		103	Kyrgyzstan	117.03	0.59	0.18	
32	Portugal	4,431.19	22.54	0.75		104	Honduras	108.94	0.55	0.18	
33	Montenegro	4,413.79	22.45	0.74		105	Nepal	108.71	0.54	0.17	
34	Uruguay	3,948.12	20.08	0.74		106	Cambodia	107.13	0.54	0.16	
35	Macedonia, FYR	3,906.92	19.87	0.73		107	Yemen	44.62	0.22	0.15	
36	Slovakia	3,818.29	19.42	0.72		108	Lao PDR	42.42	0.21	0.14	
37	Serbia	3,670.25	18.67	0.71		109	Bangladesh	40.84	0.20	0.14	
38	Chile	3,336.99	16.97	0.70		110	Cameroon	37.01	0.18	0.13	
39	Greece	3,205.20	16.30	0.70		111	China	35.66	0.17	0.12	○
40	Malta	3,201.08	16.28	0.69		112	Uzbekistan	31.50	0.15	0.11	
41	Georgia	3,169.23	16.12	0.68		113	Côte d'Ivoire	29.65	0.14	0.10	
42	Ukraine	3,076.36	15.64	0.67		114	Kenya	25.75	0.12	0.10	○
43	Japan	2,955.92	15.03	0.66		115	Zambia	24.46	0.12	0.09	
44	Belarus	2,788.78	14.18	0.66		116	Ghana	23.07	0.11	0.08	○
45	Russian Federation	2,616.09	13.30	0.65		117	Madagascar	21.96	0.10	0.07	
46	Cyprus	2,433.39	12.37	0.64		118	Tanzania, United Rep.	20.86	0.10	0.06	
47	Argentina	2,296.90	11.68	0.63		119	Mozambique	19.80	0.09	0.06	
48	Bosnia and Herzegovina	2,132.58	10.84	0.62		120	Angola	16.72	0.08	0.05	
49	Kuwait	2,049.24	10.42	0.62		121	Sudan	16.51	0.08	0.04	
50	Qatar	1,986.74	10.10	0.61		122	Uganda	14.93	0.07	0.03	○
51	Romania	1,886.90	9.59	0.60		123	Zimbabwe	11.28	0.05	0.02	
52	Korea, Rep.	1,826.03	9.28	0.59		124	Mali	10.44	0.04	0.02	○
53	Armenia	1,825.95	9.28	0.58		125	Nigeria	8.57	0.03	0.01	○
54	Azerbaijan	1,615.20	8.21	0.58		126	Ethiopia	1.77	0.00	0.00	○
55	Moldova, Rep.	1,481.97	7.53	0.57		n/a	Benin	n/a	n/a	n/a	
56	Singapore	1,280.46	6.51	0.56	○	n/a	Burkina Faso	n/a	n/a	n/a	
57	Costa Rica	1,213.28	6.16	0.55		n/a	Burundi	n/a	n/a	n/a	
58	Kazakhstan	1,060.59	5.39	0.54		n/a	Gabon	n/a	n/a	n/a	
59	Malaysia	1,053.96	5.35	0.54		n/a	Gambia	n/a	n/a	n/a	
60	Brazil	1,048.81	5.33	0.53		n/a	Guyana	n/a	n/a	n/a	
61	Mauritius	1,042.69	5.30	0.52		n/a	Lesotho	n/a	n/a	n/a	
62	Turkey	1,024.52	5.20	0.51		n/a	Malawi	n/a	n/a	n/a	
63	Bahrain	1,006.74	5.11	0.50		n/a	Niger	n/a	n/a	n/a	
64	Colombia	989.21	5.02	0.50		n/a	Rwanda	n/a	n/a	n/a	
65	Peru	988.38	5.02	0.49		n/a	Senegal	n/a	n/a	n/a	
66	Mexico	911.88	4.63	0.48		n/a	Swaziland	n/a	n/a	n/a	
67	Albania	878.16	4.46	0.47		n/a	Syrian Arab Rep.	n/a	n/a	n/a	
68	Brunei Darussalam	876.59	4.45	0.46		n/a	Tajikistan	n/a	n/a	n/a	
69	Saudi Arabia	857.91	4.36	0.46		n/a	Togo	n/a	n/a	n/a	
70	Trinidad and Tobago	827.24	4.20	0.45							
71	Jordan	805.77	4.09	0.44							
72	United Arab Emirates	804.73	4.09	0.43							

SOURCE: Wikimedia Foundation

7.3.4 Video uploads on YouTube

Number of video uploads on YouTube (scaled by population 15–69 years old) | 2011

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Iceland.....	100.00	100.00	1.00	●	73	Ecuador.....	52.22	52.22	0.48	
2	United States of America.....	83.17	83.17	0.99	●	74	Turkey.....	51.80	51.80	0.47	
3	Finland.....	82.39	82.39	0.99		75	Viet Nam.....	51.05	51.05	0.46	
4	Netherlands.....	79.74	79.74	0.98	●	76	Lebanon.....	50.24	50.24	0.46	
5	United Kingdom.....	78.93	78.93	0.97	●	77	El Salvador.....	50.23	50.23	0.45	
6	Canada.....	78.56	78.56	0.96	●	78	Botswana.....	50.21	50.21	0.44	
7	Latvia.....	78.34	78.34	0.96	●	79	Fiji.....	49.94	49.94	0.43	
8	Ireland.....	78.24	78.24	0.95		80	Korea, Rep.....	49.15	49.15	0.43	
9	Israel.....	78.14	78.14	0.94		81	Oman.....	48.79	48.79	0.42	
10	Sweden.....	77.65	77.65	0.93		82	Belarus.....	48.79	48.79	0.41	
11	Norway.....	77.15	77.15	0.93		83	Venezuela, Bolivarian Rep.....	48.34	48.34	0.41	
12	Estonia.....	76.91	76.91	0.92		84	Syrian Arab Rep.....	47.39	47.39	0.40	
13	Denmark.....	75.93	75.93	0.91		85	Mauritius.....	47.26	47.26	0.39	
14	Malta.....	75.50	75.50	0.91		86	Mongolia.....	46.53	46.53	0.38	
15	Australia.....	74.48	74.48	0.90		87	Paraguay.....	46.11	46.11	0.38	
16	Hong Kong (China).....	73.52	73.52	0.89		88	Egypt.....	45.59	45.59	0.37	
17	Singapore.....	73.07	73.07	0.88		89	Morocco.....	45.49	45.49	0.36	
18	New Zealand.....	72.76	72.76	0.88		90	Azerbaijan.....	44.10	44.10	0.36	
19	Luxembourg.....	72.64	72.64	0.87		91	Guyana.....	43.61	43.61	0.35	
20	Belgium.....	72.14	72.14	0.86		92	Pakistan.....	43.44	43.44	0.34	
21	Spain.....	71.42	71.42	0.86		93	Bolivia, Plurinational St.....	43.17	43.17	0.33	
22	France.....	70.57	70.57	0.85		94	Tunisia.....	42.64	42.64	0.33	
23	Switzerland.....	70.52	70.52	0.84		95	Guatemala.....	41.44	41.44	0.32	
24	Germany.....	70.46	70.46	0.83		96	Kazakhstan.....	40.83	40.83	0.31	
25	Slovenia.....	70.44	70.44	0.83		97	Nicaragua.....	40.70	40.70	0.30	
26	Portugal.....	70.04	70.04	0.82		98	Honduras.....	40.55	40.55	0.30	
27	Greece.....	69.78	69.78	0.81	●	99	Swaziland.....	40.06	40.06	0.29	
28	Hungary.....	69.41	69.41	0.80		100	Namibia.....	38.24	38.24	0.28	
29	Czech Republic.....	68.53	68.53	0.80		101	Sri Lanka.....	36.12	36.12	0.28	
30	Lithuania.....	68.22	68.22	0.79		102	Algeria.....	34.73	34.73	0.27	
31	Austria.....	68.07	68.07	0.78		103	Gabon.....	34.10	34.10	0.26	
32	Italy.....	66.77	66.77	0.78		104	Indonesia.....	33.12	33.12	0.25	
33	Cyprus.....	65.86	65.86	0.77		105	Gambia.....	32.90	32.90	0.25	
34	Romania.....	65.51	65.51	0.76		106	Togo.....	32.74	32.74	0.24	
35	Chile.....	65.50	65.50	0.75		107	Zimbabwe.....	32.69	32.69	0.23	
36	Kuwait.....	65.32	65.32	0.75		108	South Africa.....	32.59	32.59	0.22	○
37	Brunei Darussalam.....	65.08	65.08	0.74		109	Yemen.....	31.43	31.43	0.22	
38	Croatia.....	64.97	64.97	0.73		110	Cambodia.....	29.99	29.99	0.21	
39	Poland.....	64.95	64.95	0.72		111	India.....	28.24	28.24	0.20	
40	Argentina.....	64.65	64.65	0.72		112	Lesotho.....	27.16	27.16	0.20	
41	Brazil.....	64.26	64.26	0.71		113	Lao PDR.....	26.72	26.72	0.19	
42	Belize.....	63.58	63.58	0.70		114	Nepal.....	25.44	25.44	0.18	
43	Albania.....	63.31	63.31	0.70		115	Tajikistan.....	24.29	24.29	0.17	
44	Bosnia and Herzegovina.....	63.27	63.27	0.69		116	Kyrgyzstan.....	23.78	23.78	0.17	
45	Slovakia.....	62.93	62.93	0.68		117	Senegal.....	23.25	23.25	0.16	
46	Japan.....	62.83	62.83	0.67		118	Kenya.....	23.09	23.09	0.15	
47	Montenegro.....	62.76	62.76	0.67		119	Bangladesh.....	20.12	20.12	0.14	
48	Serbia.....	62.45	62.45	0.66		120	Zambia.....	19.33	19.33	0.14	
49	Uruguay.....	62.35	62.35	0.65		121	Angola.....	18.94	18.94	0.13	
50	Saudi Arabia.....	61.99	61.99	0.64		122	Madagascar.....	18.72	18.72	0.12	
51	Macedonia, FYR.....	61.95	61.95	0.64		123	Benin.....	18.57	18.57	0.12	
52	Bulgaria.....	61.94	61.94	0.63		124	Côte d'Ivoire.....	18.47	18.47	0.11	
53	Bahrain.....	61.73	61.73	0.62		125	Ghana.....	18.00	18.00	0.10	○
54	Moldova, Rep.....	61.53	61.53	0.62		126	Uganda.....	16.54	16.54	0.09	
55	Trinidad and Tobago.....	61.30	61.30	0.61		127	Rwanda.....	16.15	16.15	0.09	
56	United Arab Emirates.....	61.23	61.23	0.60		128	Niger.....	14.84	14.84	0.08	
57	Qatar.....	60.54	60.54	0.59		129	Cameroon.....	13.20	13.20	0.07	○
58	Peru.....	59.67	59.67	0.59		130	Burundi.....	13.03	13.03	0.07	
59	Mexico.....	59.08	59.08	0.58		131	Uzbekistan.....	12.68	12.68	0.06	
60	Armenia.....	58.96	58.96	0.57		132	Mozambique.....	10.89	10.89	0.05	
61	Jamaica.....	58.30	58.30	0.57		133	Burkina Faso.....	10.50	10.50	0.04	
62	Georgia.....	57.71	57.71	0.56		134	Mali.....	10.36	10.36	0.04	○
63	Ukraine.....	56.17	56.17	0.55		135	Malawi.....	9.20	9.20	0.03	○
64	Malaysia.....	56.06	56.06	0.54		136	Sudan.....	8.58	8.58	0.02	○
65	Costa Rica.....	55.88	55.88	0.54		137	Tanzania, United Rep.....	8.53	8.53	0.01	○
66	Thailand.....	55.68	55.68	0.53		138	Nigeria.....	3.32	3.32	0.01	○
67	Russian Federation.....	55.43	55.43	0.52		139	Ethiopia.....	0.00	0.00	0.00	○
68	Philippines.....	55.19	55.19	0.51		n/a	China.....	n/a	n/a	n/a	
69	Panama.....	55.10	55.10	0.51		n/a	Iran, Islamic Rep.....	n/a	n/a	n/a	
70	Colombia.....	54.93	54.93	0.50							
71	Jordan.....	54.33	54.33	0.49							
72	Dominican Republic.....	53.00	53.00	0.49							

SOURCE: Google, parent company of YouTube