

**Key indicators**

Population (millions) .....	0.6
GDP per capita, PPP\$ .....	11,228.2
GDP (US\$ billions) .....	4.2

	Score (0–100) or value (hard data)	Rank
<b>Global Innovation Index 2012 (out of 141)</b> .....	<b>40.1</b>	<b>45</b>
Innovation Output Sub-Index .....	35.3	44
Innovation Input Sub-Index .....	45.0	48
Innovation Efficiency Index .....	0.8	50
Global Innovation Index 2011 (out of 125) .....	n/a	n/a
GII 2012 rank among GII 2011 economies (125) .....	n/a	n/a
<b>1 Institutions</b> .....	<b>58.5</b>	<b>62</b>
<b>1.1 Political environment</b> .....	<b>62.5</b>	<b>57</b>
1.1.1 Political stability*.....	77.5	41
1.1.2 Government effectiveness*.....	43.1	63
1.1.3 Press freedom*.....	66.9	84
<b>1.2 Regulatory environment</b> .....	<b>54.4</b>	<b>104</b> ○
1.2.1 Regulatory quality*.....	50.2	75
1.2.2 Rule of law*.....	47.3	59
1.2.3 Cost of redundancy dismissal, salary weeks.....	28.1	123
<b>1.3 Business environment</b> .....	<b>58.7</b>	<b>52</b>
1.3.1 Ease of starting a business*.....	72.6	38
1.3.2 Ease of resolving insolvency*.....	69.7	43
1.3.3 Ease of paying taxes*.....	33.8	93
<b>2 Human capital &amp; research</b> .....	<b>49.3</b>	<b>29</b> ●
<b>2.1 Education</b> .....	<b>56.0</b>	<b>53</b>
2.1.1 Current expenditure on education, % GNI.....	n/a	n/a
2.1.2 Public expenditure/pupil, % GDP/cap.....	n/a	n/a
2.1.3 School life expectancy, years.....	15.0	35
2.1.4 PISA scales in reading, maths, & science.....	403.8	54
2.1.5 Pupil-teacher ratio, secondary.....	n/a	n/a
<b>2.2 Tertiary education</b> .....	<b>63.2</b>	<b>5</b> ●
2.2.1 Tertiary enrolment, % gross.....	47.6	51
2.2.2 Graduates in science & engineering, %.....	n/a	n/a
2.2.3 Tertiary inbound mobility, %.....	n/a	n/a
2.2.4 Gross tertiary outbound enrolment, %.....	7.3	8
<b>2.3 Research &amp; development (R&amp;D)</b> .....	<b>28.8</b>	<b>45</b>
2.3.1 Researchers, headcounts/mn pop.....	1,068.5	54
2.3.2 Gross expenditure on R&D, % GDP.....	1.1	31
2.3.3 Quality of scientific research institutions†.....	51.8	43
<b>3 Infrastructure</b> .....	<b>34.0</b>	<b>68</b>
<b>3.1 Information &amp; communication technologies (ICT)</b> .....	<b>43.2</b>	<b>52</b>
3.1.1 ICT access*.....	55.5	50
3.1.2 ICT use*.....	34.6	43
3.1.3 Government's online service*.....	51.0	64
3.1.4 E-participation*.....	31.6	47
<b>3.2 General infrastructure</b> .....	<b>41.7</b>	<b>39</b>
3.2.1 Electricity output, kWh/cap.....	n/a	n/a
3.2.2 Electricity consumption, kWh/cap.....	n/a	n/a
3.2.3 Quality of trade & transport infrastructure*.....	36.3	75
3.2.4 Gross capital formation, % GDP.....	22.8	65
<b>3.3 Ecological sustainability</b> .....	<b>17.0</b>	<b>118</b> ○
3.3.1 GDP/unit of energy use, 2000 PPP\$/kg oil eq.....	n/a	n/a
3.3.2 Environmental performance*.....	n/a	n/a
3.3.3 ISO 14001 environmental certificates/bn PPP\$ GDP.....	2.2	41
<b>4 Market sophistication</b> .....	<b>44.8</b>	<b>45</b>
<b>4.1 Credit</b> .....	<b>40.1</b>	<b>43</b>
4.1.1 Ease of getting credit*.....	87.6	8
4.1.2 Domestic credit to private sector, % GDP.....	67.0	51
4.1.3 Microfinance gross loans, % GDP.....	0.9	38

<b>4.2 Investment</b> .....	<b>27.2</b>	<b>63</b>
4.2.1 Ease of protecting investors*.....	76.2	27
4.2.2 Market capitalization, % GDP.....	90.0	18
4.2.3 Total value of stocks traded, % GDP.....	0.8	76
4.2.4 Venture capital deals/tr PPP\$ GDP.....	0.0	65
<b>4.3 Trade &amp; competition</b> .....	<b>67.1</b>	<b>47</b>
4.3.1 Applied tariff rate, weighted mean, %.....	3.5	57
4.3.2 Non-agricultural mkt access weighted tariff, %.....	0.0	5
4.3.3 Imports of goods & services, % GDP.....	63.6	32
4.3.4 Exports of goods & services, % GDP.....	35.6	76
4.3.5 Intensity of local competition†.....	50.5	117
<b>5 Business sophistication</b> .....	<b>38.4</b>	<b>73</b>
<b>5.1 Knowledge workers</b> .....	<b>39.0</b>	<b>91</b>
5.1.1 Knowledge-intensive employment, %.....	35.9	31
5.1.2 Firms offering formal training, % firms.....	25.2	78
5.1.3 R&D performed by business, %.....	5.2	79
5.1.4 R&D financed by business, %.....	n/a	n/a
5.1.5 GMAT mean score.....	n/a	n/a
5.1.6 GMAT test takers/mn pop. 20–34.....	n/a	n/a
<b>5.2 Innovation linkages</b> .....	<b>31.2</b>	<b>94</b>
5.2.1 University/industry research collaboration†.....	44.7	60
5.2.2 State of cluster development†.....	33.3	104
5.2.3 R&D financed by abroad, %.....	n/a	n/a
5.2.4 JV–strategic alliance deals/tr PPP\$ GDP.....	0.0	114
5.2.5 PCT patent filings with foreign inventor, %.....	n/a	n/a
<b>5.3 Knowledge absorption</b> .....	<b>45.0</b>	<b>32</b> ●
5.3.1 Royalty & license fees payments/th GDP.....	n/a	n/a
5.3.2 High-tech imports less re-imports, %.....	5.2	98
5.3.3 Computer & comm. service imports, %.....	n/a	n/a
5.3.4 FDI net inflows, % GDP.....	18.5	7
<b>6 Knowledge &amp; technology outputs</b> .....	<b>26.0</b>	<b>71</b>
<b>6.1 Knowledge creation</b> .....	<b>26.1</b>	<b>60</b>
6.1.1 Domestic resident patent ap/bn PPP\$ GDP.....	3.4	43
6.1.2 PCT resident patent ap/bn PPP\$ GDP.....	0.3	53
6.1.3 Domestic res utility model ap/bn PPP\$ GDP.....	n/a	n/a
6.1.4 Scientific & technical articles/bn PPP\$ GDP.....	1.6	93
<b>6.2 Knowledge impact</b> .....	<b>46.4</b>	<b>28</b> ●
6.2.1 Growth rate of PPP\$ GDP/worker, %.....	6.6	8
6.2.2 New businesses/th pop. 15–64.....	0.9	63
6.2.3 Computer software spending, % GDP.....	n/a	n/a
6.2.4 ISO 9001 quality certificates/bn PPP\$ GDP.....	12.6	42
<b>6.3 Knowledge diffusion</b> .....	<b>5.5</b>	<b>134</b> ○
6.3.1 Royalty & license fees receipts/th GDP.....	n/a	n/a
6.3.2 High-tech exports less re-exports, %.....	2.1	60
6.3.3 Computer & comm. service exports, %.....	n/a	n/a
6.3.4 FDI net outflows, % GDP.....	n/a	n/a
<b>7 Creative outputs</b> .....	<b>44.6</b>	<b>25</b> ●
<b>7.1 Creative intangibles</b> .....	<b>44.9</b>	<b>49</b>
7.1.1 Domestic res trademark reg/bn PPP\$ GDP.....	n/a	n/a
7.1.2 Madrid resident trademark reg/bn PPP\$ GDP.....	0.7	28
7.1.3 ICT & business model creation†.....	58.3	44
7.1.4 ICT & organizational model creation†.....	60.7	22
<b>7.2 Creative goods &amp; services</b> .....	<b>17.3</b>	<b>79</b>
7.2.1 Recreation & culture consumption, %.....	3.3	68
7.2.2 National feature films/mn pop. 15–69.....	n/a	n/a
7.2.3 Paid-for dailies, circulation/th pop. 15–69.....	137.1	44
7.2.4 Creative goods exports, %.....	0.8	81
7.2.5 Creative services exports, %.....	4.6	42
<b>7.3 Online creativity</b> .....	<b>71.3</b>	<b>10</b> ●
7.3.1 Generic top-level domains (TLDs)/th pop. 15–69.....	100.0	1
7.3.2 Country-code TLDs/th pop. 15–69.....	100.0	1
7.3.3 Wikipedia monthly edits/mn pop. 15–69.....	4,413.8	33
7.3.4 Video uploads on YouTube/pop. 15–69.....	62.8	47