

**Key indicators**

Population (millions).....	2.1
GDP per capita, PPP\$.....	10,369.5
GDP (US\$ billions).....	10.3

	Score (0–100) or value (hard data)	Rank
<b>Global Innovation Index 2012 (out of 141).....</b>	<b>36.2</b>	<b>62</b>
Innovation Output Sub-Index.....	29.2	71
Innovation Input Sub-Index.....	43.2	52
Innovation Efficiency Index.....	0.7	93
Global Innovation Index 2011 (out of 125).....	67	67
GII 2012 rank among GII 2011 economies (125).....	60	60
<b>1 Institutions.....</b>	<b>68.8</b>	<b>42</b>
<b>1.1 Political environment.....</b>	<b>54.0</b>	<b>77</b>
1.1.1 Political stability*.....	54.0	95
1.1.2 Government effectiveness*.....	36.3	79
1.1.3 Press freedom*.....	71.8	73
<b>1.2 Regulatory environment.....</b>	<b>69.8</b>	<b>57</b>
1.2.1 Regulatory quality*.....	58.9	61
1.2.2 Rule of law*.....	39.9	72
1.2.3 Cost of redundancy dismissal, salary weeks.....	13.0	55
<b>1.3 Business environment.....</b>	<b>82.7</b>	<b>12 ●</b>
1.3.1 Ease of starting a business*.....	97.1	5 ●
1.3.2 Ease of resolving insolvency*.....	66.1	48
1.3.3 Ease of paying taxes*.....	84.8	22 ●
<b>2 Human capital &amp; research.....</b>	<b>36.6</b>	<b>65</b>
<b>2.1 Education.....</b>	<b>53.1</b>	<b>64</b>
2.1.1 Current expenditure on education, % GNI.....	4.9	42
2.1.2 Public expenditure/pupil, % GDP/cap.....	16.9	81
2.1.3 School life expectancy, years.....	13.3	65
2.1.4 PISA scales in reading, maths, & science.....	n/a	n/a
2.1.5 Pupil-teacher ratio, secondary.....	12.4	49
<b>2.2 Tertiary education.....</b>	<b>39.7</b>	<b>53</b>
2.2.1 Tertiary enrolment, % gross.....	40.4	57
2.2.2 Graduates in science & engineering, %.....	21.4	44
2.2.3 Tertiary inbound mobility, %.....	2.2	53
2.2.4 Gross tertiary outbound enrolment, %.....	3.6	24 ●
<b>2.3 Research &amp; development (R&amp;D).....</b>	<b>17.0</b>	<b>92</b>
2.3.1 Researchers, headcounts/mn pop.....	1,001.7	56
2.3.2 Gross expenditure on R&D, % GDP.....	0.2	80
2.3.3 Quality of scientific research institutions†.....	38.7	83
<b>3 Infrastructure.....</b>	<b>35.1</b>	<b>62</b>
<b>3.1 Information &amp; communication technologies (ICT).....</b>	<b>36.3</b>	<b>63</b>
3.1.1 ICT access*.....	55.7	49
3.1.2 ICT use*.....	31.1	48
3.1.3 Government's online service*.....	45.1	84
3.1.4 E-participation*.....	13.2	83
<b>3.2 General infrastructure.....</b>	<b>36.0</b>	<b>71</b>
3.2.1 Electricity output, kWh/cap.....	3,327.5	57
3.2.2 Electricity consumption, kWh/cap.....	3,466.7	51
3.2.3 Quality of trade & transport infrastructure*.....	38.8	68
3.2.4 Gross capital formation, % GDP.....	25.4	39
<b>3.3 Ecological sustainability.....</b>	<b>33.2</b>	<b>60</b>
3.3.1 GDP/unit of energy use, 2000 PPP\$/kg oil eq.....	5.4	68
3.3.2 Environmental performance*.....	47.0	92 ○
3.3.3 ISO 14001 environmental certificates/bn PPP\$ GDP.....	3.1	32
<b>4 Market sophistication.....</b>	<b>43.1</b>	<b>52</b>
<b>4.1 Credit.....</b>	<b>34.3</b>	<b>55</b>
4.1.1 Ease of getting credit*.....	57.7	43
4.1.2 Domestic credit to private sector, % GDP.....	45.3	71
4.1.3 Microfinance gross loans, % GDP.....	2.6	18 ●

<b>4.2 Investment.....</b>	<b>24.4</b>	<b>72</b>
4.2.1 Ease of protecting investors*.....	87.0	16 ●
4.2.2 Market capitalization, % GDP.....	29.0	62
4.2.3 Total value of stocks traded, % GDP.....	0.4	85 ○
4.2.4 Venture capital deals/tr PPP\$ GDP.....	0.0	65 ○
<b>4.3 Trade &amp; competition.....</b>	<b>70.7</b>	<b>26 ●</b>
4.3.1 Applied tariff rate, weighted mean, %.....	2.7	53
4.3.2 Non-agricultural mkt access weighted tariff, %.....	0.0	1 ●
4.3.3 Imports of goods & services, % GDP.....	66.0	26 ●
4.3.4 Exports of goods & services, % GDP.....	47.3	48
4.3.5 Intensity of local competition†.....	52.9	106 ○
<b>5 Business sophistication.....</b>	<b>32.2</b>	<b>110 ○</b>
<b>5.1 Knowledge workers.....</b>	<b>34.9</b>	<b>105</b>
5.1.1 Knowledge-intensive employment, %.....	25.5	50
5.1.2 Firms offering formal training, % firms.....	19.0	93 ○
5.1.3 R&D performed by business, %.....	28.5	55
5.1.4 R&D financed by business, %.....	7.8	76 ○
5.1.5 GMAT mean score.....	473.6	91
5.1.6 GMAT test takers/mn pop. 20–34.....	67.7	67
<b>5.2 Innovation linkages.....</b>	<b>25.8</b>	<b>119 ○</b>
5.2.1 University/industry research collaboration†.....	38.0	89
5.2.2 State of cluster development†.....	34.9	96
5.2.3 R&D financed by abroad, %.....	8.6	37
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>35.8</b>	<b>65</b>
5.3.1 Royalty & license fees payments/th GDP.....	1.9	49
5.3.2 High-tech imports less re-imports, %.....	6.1	90
5.3.3 Computer & comm. service imports, %.....	45.0	24 ●
5.3.4 FDI net inflows, % GDP.....	3.2	53
<b>6 Knowledge &amp; technology outputs.....</b>	<b>28.8</b>	<b>60</b>
<b>6.1 Knowledge creation.....</b>	<b>21.4</b>	<b>70</b>
6.1.1 Domestic resident patent ap/bn PPP\$ GDP.....	1.7	57
6.1.2 PCT resident patent ap/bn PPP\$ GDP.....	0.1	69
6.1.3 Domestic res utility model ap/bn PPP\$ GDP.....	n/a	n/a
6.1.4 Scientific & technical articles/bn PPP\$ GDP.....	2.9	71
<b>6.2 Knowledge impact.....</b>	<b>34.7</b>	<b>64</b>
6.2.1 Growth rate of PPP\$ GDP/worker, %.....	0.2	103 ○
6.2.2 New businesses/th pop. 15–64.....	5.6	16 ●
6.2.3 Computer software spending, % GDP.....	n/a	n/a
6.2.4 ISO 9001 quality certificates/bn PPP\$ GDP.....	4.6	69
<b>6.3 Knowledge diffusion.....</b>	<b>30.2</b>	<b>53</b>
6.3.1 Royalty & license fees receipts/th GDP.....	0.8	36
6.3.2 High-tech exports less re-exports, %.....	2.9	53
6.3.3 Computer & comm. service exports, %.....	42.9	36
6.3.4 FDI net outflows, % GDP.....	0.0	97 ○
<b>7 Creative outputs.....</b>	<b>29.6</b>	<b>78</b>
<b>7.1 Creative intangibles.....</b>	<b>34.8</b>	<b>96</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.....	0.6	30
7.1.3 ICT & business model creation†.....	43.0	100 ○
7.1.4 ICT & organizational model creation†.....	48.1	66
<b>7.2 Creative goods &amp; services.....</b>	<b>21.1</b>	<b>69</b>
7.2.1 Recreation & culture consumption, %.....	3.0	71
7.2.2 National feature films/mn pop. 15–69.....	0.7	74
7.2.3 Paid-for dailies, circulation/th pop. 15–69.....	104.8	54
7.2.4 Creative goods exports, %.....	0.9	77
7.2.5 Creative services exports, %.....	12.0	14 ●
<b>7.3 Online creativity.....</b>	<b>27.7</b>	<b>52</b>
7.3.1 Generic top-level domains (TLDs)/th pop. 15–69.....	4.4	62
7.3.2 Country-code TLDs/th pop. 15–69.....	24.7	62
7.3.3 Wikipedia monthly edits/mn pop. 15–69.....	3,906.9	35
7.3.4 Video uploads on YouTube/pop. 15–69.....	62.0	51