

Key indicators

Population (millions)	7.4
GDP per capita, PPP\$	10,661.3
GDP (US\$ billions)	46.4

	Score (0–100) or value (hard data)	Rank
Global Innovation Index 2012 (out of 141)	40.0	46
Innovation Output Sub-Index	38.5	36
Innovation Input Sub-Index	41.5	65
Innovation Efficiency Index	0.9	7 ●
Global Innovation Index 2011 (out of 125)	55	
GII 2012 rank among GII 2011 economies (125)	44	

1	Institutions	56.0	71
1.1	Political environment	55.7	71
1.1.1	Political stability*	55.5	93
1.1.2	Government effectiveness*	38.0	73
1.1.3	Press freedom*	73.6	63
1.2	Regulatory environment	72.2	45
1.2.1	Regulatory quality*	51.2	74
1.2.2	Rule of law*	37.4	79
1.2.3	Cost of redundancy dismissal, salary weeks	8.0	1 ●
1.3	Business environment	40.2	94
1.3.1	Ease of starting a business*	53.9	65
1.3.2	Ease of resolving insolvency*	41.7	82
1.3.3	Ease of paying taxes*	25.1	105 ○
2	Human capital & research	43.1	44
2.1	Education	60.7	35
2.1.1	Current expenditure on education, % GNI	5.0	40
2.1.2	Public expenditure/pupil, % GDP/cap	28.8	11 ●
2.1.3	School life expectancy, years	13.6	56
2.1.4	PISA scales in reading, maths, & science	442.4	42
2.1.5	Pupil-teacher ratio, secondary	9.6	22 ●
2.2	Tertiary education	43.4	41
2.2.1	Tertiary enrolment, % gross	49.1	48
2.2.2	Graduates in science & engineering, %	23.7	34
2.2.3	Tertiary inbound mobility, %	4.2	33
2.2.4	Gross tertiary outbound enrolment, %	2.4	37
2.3	Research & development (R&D)	25.4	56
2.3.1	Researchers, headcounts/mn pop.	1,218.7	50
2.3.2	Gross expenditure on R&D, % GDP	0.9	36
2.3.3	Quality of scientific research institutions†	46.8	58
3	Infrastructure	35.1	63
3.1	Information & communication technologies (ICT)	42.3	54
3.1.1	ICT access*	63.2	42
3.1.2	ICT use*	24.7	52
3.1.3	Government's online service*	57.5	48
3.1.4	E-participation*	23.7	59
3.2	General infrastructure	33.9	85
3.2.1	Electricity output, kWh/cap	5,069.0	42
3.2.2	Electricity consumption, kWh/cap	4,224.9	46
3.2.3	Quality of trade & transport infrastructure*	32.5	94
3.2.4	Gross capital formation, % GDP	22.8	63
3.3	Ecological sustainability	29.0	72
3.3.1	GDP/unit of energy use, 2000 PPP\$/kg oil eq	2.3	112 ○
3.3.2	Environmental performance*	46.1	98 ○
3.3.3	ISO 14001 environmental certificates/bn PPP\$ GDP	4.2	22 ●
4	Market sophistication	36.7	78
4.1	Credit	38.3	47
4.1.1	Ease of getting credit*	77.4	21
4.1.2	Domestic credit to private sector, % GDP	51.5	61
4.1.3	Microfinance gross loans, % GDP	1.8	24

4.2	Investment	14.0	104
4.2.1	Ease of protecting investors*	46.7	60
4.2.2	Market capitalization, % GDP	24.8	68
4.2.3	Total value of stocks traded, % GDP	0.6	81
4.2.4	Venture capital deals/tr PPP\$ GDP	0.0	65 ○
4.3	Trade & competition	57.8	97
4.3.1	Applied tariff rate, weighted mean, %	6.0	90
4.3.2	Non-agricultural mkt access weighted tariff, %	0.8	68
4.3.3	Imports of goods & services, % GDP	51.4	48
4.3.4	Exports of goods & services, % GDP	34.9	78
4.3.5	Intensity of local competition†	43.4	130 ○
5	Business sophistication	36.3	86
5.1	Knowledge workers	42.4	77
5.1.1	Knowledge-intensive employment, %	28.7	43
5.1.2	Firms offering formal training, % firms	36.5	48
5.1.3	R&D performed by business, %	14.3	71 ○
5.1.4	R&D financed by business, %	8.3	74 ○
5.1.5	GMAT mean score	515.8	62
5.1.6	GMAT test takers/mn pop. 20–34	81.0	55
5.2	Innovation linkages	27.1	114 ○
5.2.1	University/industry research collaboration†	40.5	78
5.2.2	State of cluster development†	27.1	120 ○
5.2.3	R&D financed by abroad, %	7.2	45
5.2.4	JV–strategic alliance deals/tr PPP\$ GDP	7.6	94
5.2.5	PCT patent filings with foreign inventor, %	50.0	48
5.3	Knowledge absorption	39.4	56
5.3.1	Royalty & license fees payments/th GDP	4.1	22
5.3.2	High-tech imports less re-imports, %	6.9	84
5.3.3	Computer & comm. service imports, %	40.4	35
5.3.4	FDI net inflows, % GDP	3.5	50
6	Knowledge & technology outputs	40.0	29
6.1	Knowledge creation	33.9	42
6.1.1	Domestic resident patent ap/bn PPP\$ GDP	3.8	39
6.1.2	PCT resident patent ap/bn PPP\$ GDP	0.2	57
6.1.3	Domestic res utility model ap/bn PPP\$ GDP	1.3	25
6.1.4	Scientific & technical articles/bn PPP\$ GDP	15.8	22 ●
6.2	Knowledge impact	51.8	17 ●
6.2.1	Growth rate of PPP\$ GDP/worker, %	6.6	8 ●
6.2.2	New businesses/th pop. 15–64	1.9	47
6.2.3	Computer software spending, % GDP	n/a	n/a
6.2.4	ISO 9001 quality certificates/bn PPP\$ GDP	23.6	21 ●
6.3	Knowledge diffusion	34.5	41
6.3.1	Royalty & license fees receipts/th GDP	1.0	31
6.3.2	High-tech exports less re-exports, %	3.2	50
6.3.3	Computer & comm. service exports, %	52.5	22 ●
6.3.4	FDI net outflows, % GDP	0.5	55
7	Creative outputs	36.9	44
7.1	Creative intangibles	38.9	76
7.1.1	Domestic res trademark reg/bn PPP\$ GDP	22.7	58
7.1.2	Madrid resident trademark reg/bn PPP\$ GDP	3.7	5 ●
7.1.3	ICT & business model creation†	32.2	127 ○
7.1.4	ICT & organizational model creation†	33.3	114 ○
7.2	Creative goods & services	40.2	19 ●
7.2.1	Recreation & culture consumption, %	6.7	42
7.2.2	National feature films/mn pop. 15–69	3.7	33
7.2.3	Paid-for dailies, circulation/th pop. 15–69	148.9	35
7.2.4	Creative goods exports, %	1.8	48
7.2.5	Creative services exports, %	18.9	7 ●
7.3	Online creativity	29.3	50
7.3.1	Generic top-level domains (TLDs)/th pop. 15–69	3.0	74
7.3.2	Country-code TLDs/th pop. 15–69	33.3	52
7.3.3	Wikipedia monthly edits/mn pop. 15–69	3,670.2	37
7.3.4	Video uploads on YouTube/pop. 15–69	62.5	48