

Switzerland

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Output rank	Input rank	Income	Region	Population (mn)	GDP, PPP\$ (bn)	GDP per capita, PPP\$
1	3	High	EUR	8.7	737.8	84,469

	Score/Value	Rank		Score/Value	Rank
 Institutions	87.3	2 ●◆	 Business sophistication	65.5	5
1.1 Institutional environment	85.3	4	5.1 Knowledge workers	67.1	9
1.1.1 Operational stability for businesses*	77.8	10	5.1.1 Knowledge-intensive employment, %	50.9	10
1.1.2 Government effectiveness*	92.8	2 ●◆	5.1.2 Firms offering formal training, %	n/a	n/a
1.2 Regulatory environment	92.8	5	5.1.3 GERD performed by business, % GDP	⊙	2.2 8
1.2.1 Regulatory quality*	87.1	9	5.1.4 GERD financed by business, %	⊙	64.7 7
1.2.2 Rule of law*	92.7	6	5.1.5 Females employed w/advanced degrees, %	20.7	31
1.2.3 Cost of redundancy dismissal	10.1	31	5.2 Innovation linkages	76.8	3 ●◆
1.3 Business environment	83.8	3 ●◆	5.2.1 University-industry R&D collaboration†	99.4	3 ●◆
1.3.1 Policies for doing business†	100.0	1 ●◆	5.2.2 State of cluster development†	91.3	3 ●◆
1.3.2 Entrepreneurship policies and culture†	67.7	15	5.2.3 GERD financed by abroad, % GDP	⊙	0.2 21
			5.2.4 Joint venture/strategic alliance deals/bn PPP\$ GDP	0.2	9
			5.2.5 Patent families/bn PPP\$ GDP	8.6	1 ●◆
 Human capital and research	59.8	6	5.3 Knowledge absorption	52.6	13
2.1 Education	61.9	25	5.3.1 Intellectual property payments, % total trade	5.5	1 ●◆
2.1.1 Expenditure on education, % GDP	⊙	5.1 38	5.3.2 High-tech imports, % total trade	5.2	112 ○
2.1.2 Government funding/pupil, secondary, % GDP/cap	⊙	22.9 34 ○	5.3.3 ICT services imports, % total trade	3.3	13
2.1.3 School life expectancy, years	16.6	23	5.3.4 FDI net inflows, % GDP	-10.8	131 ○◇
2.1.4 PISA scales in reading, maths and science	498.2	21	5.3.5 Research talent, % in businesses	⊙	48.3 27
2.1.5 Pupil-teacher ratio, secondary	9.7	27	 Knowledge and technology outputs	65.3	1 ●◆
2.2 Tertiary education	45.6	21	6.1 Knowledge creation	78.7	1 ●◆
2.2.1 Tertiary enrolment, % gross	65.3	47 ○	6.1.1 Patents by origin/bn PPP\$ GDP	14.4	4
2.2.2 Graduates in science and engineering, %	25.2	44 ○	6.1.2 PCT patents by origin/bn PPP\$ GDP	7.3	1 ●◆
2.2.3 Tertiary inbound mobility, %	18.1	9	6.1.3 Utility models by origin/bn PPP\$ GDP	n/a	n/a
2.3 Research and development (R&D)	71.8	4	6.1.4 Scientific and technical articles/bn PPP\$ GDP	43.3	3 ●◆
2.3.1 Researchers, FTE/mn pop.	⊙	5,562.4 13	6.1.5 Citable documents H-index	66.2	10
2.3.2 Gross expenditure on R&D, % GDP	⊙	3.2 7	6.2 Knowledge impact	56.9	7
2.3.3 Global corporate R&D investors, top 3, mn USD	89.0	4	6.2.1 Labor productivity growth, %	0.9	68 ○
2.3.4 QS university ranking, top 3*	83.2	5	6.2.2 Unicorn valuation, % GDP	1.5	28
			6.2.3 Software spending, % GDP	0.7	9
 Infrastructure	64.3	4	6.2.4 High-tech manufacturing, %	⊙	67.3 2 ●◆
3.1 Information and communication technologies (ICTs)	83.7	25	6.3 Knowledge diffusion	60.4	4
3.1.1 ICT access*	90.9	21	6.3.1 Intellectual property receipts, % total trade	6.0	1 ●◆
3.1.2 ICT use*	100.0	1 ●◆	6.3.2 Production and export complexity	97.4	2 ●◆
3.1.3 Government's online service*	74.3	49 ○◇	6.3.3 High-tech exports, % total trade	7.4	26
3.1.4 E-participation*	69.8	41	6.3.4 ICT services exports, % total trade	2.6	49 ○
3.2 General infrastructure	50.5	16	6.3.5 ISO 9001 quality/bn PPP\$ GDP	11.0	25
3.2.1 Electricity output, GWh/mn pop.	7,196.8	26	 Creative outputs	68.5	1 ●◆
3.2.2 Logistics performance*	90.9	3 ●◆	7.1 Intangible assets	67.5	6 ◆
3.2.3 Gross capital formation, % GDP	26.5	42	7.1.1 Intangible asset intensity, top 15, %	76.2	10
3.3 Ecological sustainability	58.7	7 ◆	7.1.2 Trademarks by origin/bn PPP\$ GDP	68.9	25
3.3.1 GDP/unit of energy use	26.5	4 ◆	7.1.3 Global brand value, top 5,000, % GDP	22.6	2 ●◆
3.3.2 Environmental performance*	79.7	9	7.1.4 Industrial designs by origin/bn PPP\$ GDP	5.0	21
3.3.3 ISO 14001 environment/bn PPP\$ GDP	3.3	29	7.2 Creative goods and services	53.0	2 ●◆
 Market sophistication	64.4	7	7.2.1 Cultural and creative services exports, % total trade	0.7	44 ○
4.1 Credit	70.1	5	7.2.2 National feature films/mn pop. 15-69	11.7	4 ◆
4.1.1 Finance for startups and scaleups†	75.1	12	7.2.3 Entertainment and media market/th pop. 15-69	91.0	2 ●◆
4.1.2 Domestic credit to private sector, % GDP	⊙	170.4 5	7.2.4 Creative goods exports, % total trade	2.8	19
4.1.3 Loans from microfinance institutions, % GDP	n/a	n/a	7.3 Online creativity	86.1	2 ●◆
4.2 Investment	59.5	10	7.3.1 Generic top-level domains (TLDs)/th pop. 15-69	68.4	10
4.2.1 Market capitalization, % GDP	241.1	3 ●◆	7.3.2 Country-code TLDs/th pop. 15-69	100.0	1 ●◆
4.2.2 Venture capital (VC) investors, deals/bn PPP\$ GDP	0.7	9	7.3.3 GitHub commits/mn pop. 15-69	100.0	1 ●◆
4.2.3 VC recipients, deals/bn PPP\$ GDP	0.3	8	7.3.4 Mobile app creation/bn PPP\$ GDP	75.9	20
4.2.4 VC received, value, % GDP	0.0	24			
4.3 Trade, diversification and market scale	63.7	36			
4.3.1 Applied tariff rate, weighted avg., %	1.4	18			
4.3.2 Domestic industry diversification	⊙	84.1 66 ○			
4.3.3 Domestic market scale, bn PPP\$	737.8	34			

NOTES: ● indicates a strength; ○ a weakness; ◆ an income group strength; ◇ an income group weakness; * an index; † a survey question. ⊙ is used when the available economy data are older than the base year; see appendices for details, including the year of the data, at wipo.int/gii-ranking. Square brackets [] indicate that the data minimum coverage (DMC) requirements were not met at the sub-pillar or pillar level.