

Output rank	Input rank	Income	Region	Population (mn)	GDP, PPP\$	GDP per capita, PPP\$	GII 2018 rank
11	23	High	EUR	0.6	66.1	106,704.9	15
<b>INSTITUTIONS</b> ..... 80.7 24				<b>BUSINESS SOPHISTICATION</b> ..... 60.7 8			
<b>1.1 Political environment</b> .....	<b>90.4</b>	<b>11</b>			<b>5.1 Knowledge workers</b> .....	<b>66.1</b>	<b>16</b>
1.1.1 Political and operational stability*.....	96.5	2	◆		5.1.1 Knowledge-intensive employment, %.....	55.9	2
1.1.2 Government effectiveness*.....	87.3	12			5.1.2 Firms offering formal training, % firms.....	n/a	n/a
<b>1.2 Regulatory environment</b> .....	<b>84.5</b>	<b>22</b>			5.1.3 GERD performed by business, % GDP.....	0.7	28
1.2.1 Regulatory quality*.....	87.3	13			5.1.4 GERD financed by business, %.....	47.1	32
1.2.2 Rule of law*.....	92.3	11			5.1.5 Females employed w/advanced degrees, %.....	17.7	30
1.2.3 Cost of redundancy dismissal, salary weeks.....	21.7	91	◇		<b>5.2 Innovation linkages</b> .....	<b>56.8</b>	<b>6</b>
<b>1.3 Business environment</b> .....	<b>67.1</b>	<b>74</b>	◇		5.2.1 University/industry research collaboration*.....	68.2	13
1.3.1 Ease of starting a business*.....	88.7	59	◇		5.2.2 State of cluster development*.....	67.0	13
1.3.2 Ease of resolving insolvency*.....	45.5	81	◇		5.2.3 GERD financed by abroad, %.....	3.4	69
					5.2.4 JV-strategic alliance deals/bn PPP\$ GDP.....	0.1	11
					5.2.5 Patent families 2+ offices/bn PPP\$ GDP.....	8.2	4
					<b>5.3 Knowledge absorption</b> .....	<b>59.1</b>	<b>4</b>
					5.3.1 Intellectual property payments, % total trade.....	4.3	1
					5.3.2 High-tech imports, % total trade.....	1.9	127
					5.3.3 ICT services imports, % total trade.....	3.1	8
					5.3.4 FDI net inflows, % GDP.....	35.7	3
					5.3.5 Research talent, % in business enterprise.....	41.9	32
					<b>KNOWLEDGE &amp; TECHNOLOGY OUTPUTS</b> ....	<b>42.2</b>	<b>18</b>
					<b>6.1 Knowledge creation</b> .....	<b>43.5</b>	<b>15</b>
					6.1.1 Patents by origin/bn PPP\$ GDP.....	11.5	9
					6.1.2 PCT patents by origin/bn PPP\$ GDP.....	5.9	1
					6.1.3 Utility models by origin/bn PPP\$ GDP.....	n/a	n/a
					6.1.4 Scientific & technical articles/bn PPP\$ GDP.....	12.1	41
					6.1.5 Citable documents H-index.....	9.1	74
					<b>6.2 Knowledge impact</b> .....	<b>34.9</b>	<b>74</b>
					6.2.1 Growth rate of PPP\$ GDP/worker, %.....	-0.9	101
					6.2.2 New businesses/th pop. 15-64.....	15.4	8
					6.2.3 Computer software spending, % GDP.....	0.2	69
					6.2.4 ISO 9001 quality certificates/bn PPP\$ GDP.....	3.4	72
					6.2.5 High- & medium-high-tech manufactures, %.....	0.1	68
					<b>6.3 Knowledge diffusion</b> .....	<b>48.0</b>	<b>11</b>
					6.3.1 Intellectual property receipts, % total trade.....	2.0	11
					6.3.2 High-tech net exports, % total trade.....	0.6	76
					6.3.3 ICT services exports, % total trade.....	3.5	24
					6.3.4 FDI net outflows, % GDP.....	63.5	1
					<b>CREATIVE OUTPUTS</b> .....	<b>56.2</b>	<b>2</b>
					<b>7.1 Intangible assets</b> .....	<b>59.4</b>	<b>9</b>
					7.1.1 Trademarks by origin/bn PPP\$ GDP.....	102.9	11
					7.1.2 Industrial designs by origin/bn PPP\$ GDP.....	4.6	28
					7.1.3 ICTs & business model creation*.....	80.3	9
					7.1.4 ICTs & organizational model creation*.....	72.2	15
					<b>7.2 Creative goods &amp; services</b> .....	<b>38.6</b>	<b>9</b>
					7.2.1 Cultural & creative services exports, % total trade.....	4.0	1
					7.2.2 National feature films/mn pop. 15-69.....	42.4	1
					7.2.3 Entertainment & Media market/th pop. 15-69.....	n/a	n/a
					7.2.4 Printing & other media, % manufacturing.....	0.9	73
					7.2.5 Creative goods exports, % total trade.....	0.1	100
					<b>7.3 Online creativity</b> .....	<b>67.6</b>	<b>1</b>
					7.3.1 Generic top-level domains (TLDs)/th pop. 15-69.....	90.8	4
					7.3.2 Country-code TLDs/th pop. 15-69.....	63.3	9
					7.3.3 Wikipedia edits/mn pop. 15-69.....	87.7	9
					7.3.4 Mobile app creation/bn PPP\$ GDP.....	57.2	9
					<b>MARKET SOPHISTICATION</b> .....	<b>46.9</b>	<b>68</b>
<b>4.1 Credit</b> .....	<b>32.8</b>	<b>77</b>	◇				
4.1.1 Ease of getting credit*.....	15.0	124	◇				
4.1.2 Domestic credit to private sector, % GDP.....	105.9	21					
4.1.3 Microfinance gross loans, % GDP.....	n/a	n/a					
<b>4.2 Investment</b> .....	<b>47.2</b>	<b>45</b>					
4.2.1 Ease of protecting minority investors*.....	48.3	99	◇				
4.2.2 Market capitalization, % GDP.....	98.5	12					
4.2.3 Venture capital deals/bn PPP\$ GDP.....	0.2	8					
<b>4.3 Trade, competition, &amp; market scale</b> .....	<b>60.7</b>	<b>65</b>	◇				
4.3.1 Applied tariff rate, weighted avg., %.....	1.8	23					
4.3.2 Intensity of local competition*.....	72.4	43					
4.3.3 Domestic market scale, bn PPP\$.....	66.1	92	◇				

NOTES: ● indicates a strength; ○ a weakness; ◆ a strength relative to the other top 25-ranked GII economies; ◇ a weakness relative to the other top 25-ranked GII economies; \* an index; † a survey question. Ⓞ indicates that the economy's data are older than the base year; see Appendix II for details, including the year of the data, at <http://globalinnovationindex.org>. Square brackets [ ] indicate that the data minimum coverage (DMC) requirements were not met at the sub-pillar or pillar level.