

| Output rank | Input rank | Income | Region | Population (mn) | GDP, PPP\$ | GDP per capita, PPP\$ | GII 2019 rank |
|---|--|--------------|--------------|-----------------|------------|-----------------------|---------------|
| 95 | 127 | Lower middle | SEAO | 7.2 | 58.1 | 7,079.9 | n/a |
| | | | | Score/Value | Rank | | |
| INSTITUTIONS | | | | 38.2 | 130 | ◇ | |
| 1.1 | Political environment | 47.8 | 95 | | | | |
| 1.1.1 | Political and operational stability* | 73.2 | 49 | ● ◆ | | | |
| 1.1.2 | Government effectiveness* | 35.1 | 114 | | | | |
| 1.2 | Regulatory environment | 35.5 | 123 | | | | |
| 1.2.1 | Regulatory quality* | 20.9 | 118 | | | | |
| 1.2.2 | Rule of law* | 24.7 | 117 | | | | |
| 1.2.3 | Cost of redundancy dismissal, salary weeks | 34.2 | 122 | | | | |
| 1.3 | Business environment | 31.3 | 131 | ◇ | | | |
| 1.3.1 | Ease of starting a business* | 62.7 | 129 | ◇ | | | |
| 1.3.2 | Ease of resolving insolvency* | 0.0 | 129 | ◇ | | | |
| HUMAN CAPITAL & RESEARCH | | | | 14.6 | 113 | | |
| 2.1 | Education | 25.2 | 117 | | | | |
| 2.1.1 | Expenditure on education, % GDP | 2.9 | 99 | ◇ | | | |
| 2.1.2 | Government funding/pupil, secondary, % GDP/cap | 12.5 | 86 | | | | |
| 2.1.3 | School life expectancy, years | 10.6 | 104 | | | | |
| 2.1.4 | PISA scales in reading, maths, & science | n/a | n/a | | | | |
| 2.1.5 | Pupil-teacher ratio, secondary | 18.2 | 88 | | | | |
| 2.2 | Tertiary education | 18.7 | 98 | | | | |
| 2.2.1 | Tertiary enrolment, % gross | 15.0 | 99 | | | | |
| 2.2.2 | Graduates in science & engineering, % | 22.5 | 55 | | | | |
| 2.2.3 | Tertiary inbound mobility, % | 0.5 | 98 | | | | |
| 2.3 | Research & development (R&D) | 0.0 | [121] | | | | |
| 2.3.1 | Researchers, FTE/mn pop | n/a | n/a | | | | |
| 2.3.2 | Gross expenditure on R&D, % GDP | n/a | n/a | | | | |
| 2.3.3 | Global R&D companies, avg. exp. top 3, mn \$US | 0.0 | 42 | ◇ | | | |
| 2.3.4 | QS university ranking, average score top 3* | 0.0 | 77 | ◇ | | | |
| INFRASTRUCTURE | | | | 23.7 | 118 | ◇ | |
| 3.1 | Information & communication technologies (ICTs) | 23.6 | 127 | ◇ | | | |
| 3.1.1 | ICT access* | 37.4 | 110 | | | | |
| 3.1.2 | ICT use* | 22.9 | 112 | ◇ | | | |
| 3.1.3 | Government's online service* | 16.7 | 128 | ◇ | | | |
| 3.1.4 | E-participation* | 17.4 | 126 | ◇ | | | |
| 3.2 | General infrastructure | 29.6 | [54] | | | | |
| 3.2.1 | Electricity output, kWh/mn pop | n/a | n/a | | | | |
| 3.2.2 | Logistics performance* | 29.6 | 81 | | | | |
| 3.2.3 | Gross capital formation, % GDP | n/a | n/a | | | | |
| 3.3 | Ecological sustainability | 17.9 | 111 | | | | |
| 3.3.1 | GDP/unit of energy use | n/a | n/a | | | | |
| 3.3.2 | Environmental performance* | 34.8 | 102 | | | | |
| 3.3.3 | ISO 14001 environmental certificates/bn PPP\$ GDP | 0.1 | 119 | | | | |
| MARKET SOPHISTICATION | | | | 34.9 | 117 | ◇ | |
| 4.1 | Credit | 29.0 | 110 | | | | |
| 4.1.1 | Ease of getting credit* | 60.0 | 74 | | | | |
| 4.1.2 | Domestic credit to private sector, % GDP | 20.9 | 112 | | | | |
| 4.1.3 | Microfinance gross loans, % GDP | 0.7 | 27 | ● | | | |
| 4.2 | Investment | 20.0 | [126] | | | | |
| 4.2.1 | Ease of protecting minority investors* | 20.0 | 129 | ◇ | | | |
| 4.2.2 | Market capitalization, % GDP | n/a | n/a | | | | |
| 4.2.3 | Venture capital deals/bn PPP\$ GDP | n/a | n/a | | | | |
| 4.3 | Trade, competition, and market scale | 55.7 | 97 | | | | |
| 4.3.1 | Applied tariff rate, weighted avg., % | 0.7 | 8 | ● ◆ | | | |
| 4.3.2 | Intensity of local competition* | 52.4 | 125 | ◇ | | | |
| 4.3.3 | Domestic market scale, bn PPP\$ | 58.1 | 97 | | | | |
| BUSINESS SOPHISTICATION | | | | 24.2 | [72] | | |
| 5.1 | Knowledge workers | 26.3 | [81] | | | | |
| 5.1.1 | Knowledge-intensive employment, % | 21.3 | 74 | | | | |
| 5.1.2 | Firms offering formal training, % | 24.4 | 62 | | | | |
| 5.1.3 | GERD performed by business, % GDP | n/a | n/a | | | | |
| 5.1.4 | GERD financed by business, % | n/a | n/a | | | | |
| 5.1.5 | Females employed w/advanced degrees, % | 5.4 | 89 | | | | |
| 5.2 | Innovation linkages | 22.1 | 57 | ● | | | |
| 5.2.1 | University/industry research collaboration* | 44.4 | 56 | ● | | | |
| 5.2.2 | State of cluster development* | 50.8 | 47 | ● | | | |
| 5.2.3 | GERD financed by abroad, % GDP | n/a | n/a | | | | |
| 5.2.4 | JV-strategic alliance deals/bn PPP\$ GDP | 0.0 | 88 | | | | |
| 5.2.5 | Patent families 2+ offices/bn PPP\$ GDP | 0.0 | 101 | ◇ | | | |
| 5.3 | Knowledge absorption | 24.2 | [83] | | | | |
| 5.3.1 | Intellectual property payments, % total trade | n/a | n/a | | | | |
| 5.3.2 | High-tech imports, % total trade | 4.3 | 118 | | | | |
| 5.3.3 | ICT services imports, % total trade | 0.2 | 120 | ◇ | | | |
| 5.3.4 | FDI net inflows, % GDP | 7.8 | 15 | ● ◆ | | | |
| 5.3.5 | Research talent, % in business enterprise | n/a | n/a | | | | |
| KNOWLEDGE & TECHNOLOGY OUTPUTS | | | | 11.5 | 108 | | |
| 6.1 | Knowledge creation | 2.0 | 125 | | | | |
| 6.1.1 | Patents by origin/bn PPP\$ GDP | 0.0 | 130 | ◇ | | | |
| 6.1.2 | PCT patents by origin/bn PPP\$ GDP | 0.0 | 100 | ◇ | | | |
| 6.1.3 | Utility models by origin/bn PPP\$ GDP | 0.0 | 67 | | | | |
| 6.1.4 | Scientific & technical articles/bn PPP\$ GDP | 2.2 | 115 | | | | |
| 6.1.5 | Citable documents H-index | 4.0 | 114 | | | | |
| 6.2 | Knowledge impact | 2.6 | [129] | | | | |
| 6.2.1 | Growth rate of PPP\$ GDP/worker, % | n/a | n/a | | | | |
| 6.2.2 | New businesses/th pop. 15-64 | 0.0 | 121 | ◇ | | | |
| 6.2.3 | Computer software spending, % GDP | n/a | n/a | | | | |
| 6.2.4 | ISO 9001 quality certificates/bn PPP\$ GDP | 0.7 | 114 | | | | |
| 6.2.5 | High- and medium-high-tech manufacturing, % | 4.7 | 97 | ◇ | | | |
| 6.3 | Knowledge diffusion | 30.0 | 44 | ● | | | |
| 6.3.1 | Intellectual property receipts, % total trade | n/a | n/a | | | | |
| 6.3.2 | High-tech net exports, % total trade | 4.8 | 34 | ● ◆ | | | |
| 6.3.3 | ICT services exports, % total trade | 0.4 | 102 | | | | |
| 6.3.4 | FDI net outflows, % GDP | 2.5 | 29 | ● ◆ | | | |
| CREATIVE OUTPUTS | | | | 16.8 | [86] | | |
| 7.1 | Intangible assets | 19.1 | 97 | | | | |
| 7.1.1 | Trademarks by origin/bn PPP\$ GDP | 4.6 | 119 | | | | |
| 7.1.2 | Global brand value, top 5,000, % GDP | 10.6 | 58 | | | | |
| 7.1.3 | Industrial designs by origin/bn PPP\$ GDP | n/a | n/a | | | | |
| 7.1.4 | ICTs & organizational model creation* | 52.5 | 71 | | | | |
| 7.2 | Creative goods and services | 26.8 | [35] | | | | |
| 7.2.1 | Cultural & creative services exports, % total trade | n/a | n/a | | | | |
| 7.2.2 | National feature films/mn pop. 15-69 | 1.3 | 79 | | | | |
| 7.2.3 | Entertainment & Media market/th pop. 15-69 | n/a | n/a | | | | |
| 7.2.4 | Printing and other media, % manufacturing | 0.1 | 100 | ◇ | | | |
| 7.2.5 | Creative goods exports, % total trade | 4.0 | 13 | ● ◆ | | | |
| 7.3 | Online creativity | 2.3 | [120] | | | | |
| 7.3.1 | Generic top-level domains (TLDs)/th pop. 15-69 | 2.0 | 78 | | | | |
| 7.3.2 | Country-code TLDs/th pop. 15-69 | 2.6 | 64 | ● ◆ | | | |
| 7.3.3 | Wikipedia edits/mn pop. 15-69 | n/a | n/a | | | | |
| 7.3.4 | Mobile app creation/bn PPP\$ GDP | n/a | n/a | | | | |

NOTES: ● indicates a strength; ○ a weakness; ◆ an income group strength; ◇ an income group weakness; * 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.