# LAO PEOPLE'S DEMOCRATIC REPUBLIC

## GII 2020 Rank

<table>
<thead>
<tr>
<th>Output rank</th>
<th>Input rank</th>
<th>Income</th>
<th>Region</th>
<th>Population (mn)</th>
<th>GDP, PPP$</th>
<th>GDP per capita, PPP$</th>
</tr>
</thead>
<tbody>
<tr>
<td>95</td>
<td>127</td>
<td>Lower middle</td>
<td>SEAO</td>
<td>7.2</td>
<td>58.1</td>
<td>7,079.9</td>
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</tbody>
</table>

**GII 2019 Rank**

## INSTITUTIONS

<table>
<thead>
<tr>
<th>Score</th>
<th>Value</th>
<th>Rank</th>
</tr>
</thead>
<tbody>
<tr>
<td>38.2</td>
<td>130</td>
<td>-</td>
</tr>
</tbody>
</table>

### 1. Political environment
1.1 Political and administrative stability... 47.8 95
1.2 Government effectiveness*... 73.2 49 ● ●

### 2. Regulatory environment
2.1 Regulatory quality*... 35.5 123
2.2 Rule of law*... 20.9 118
2.3 Cost of redundancy dismissal, salary weeks... 24.7 117

### 3. Business environment
3.1 Ease of starting a business*... 31.3 131 ○ ○
3.2 Ease of resolving insolvency*... 62.7 129 ○ ○

## HUMAN CAPITAL & RESEARCH

<table>
<thead>
<tr>
<th>Score</th>
<th>Value</th>
<th>Rank</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.6</td>
<td>113</td>
<td>-</td>
</tr>
</tbody>
</table>

### 2.1 Education
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
2.2.1 Tertiary enrolment, % gross... 15.0 99 ○
2.2.2 Graduates in science & engineering, %... 22.5 55
2.2.3 Tertiary in mobility, %... 0.5 98 ○

### 2.3 Research & development (R&D)
2.3.1 Researchers, FTE/mn pop... 0.0 [121] 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

<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>23.7</td>
<td>118</td>
<td>-</td>
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</tbody>
</table>

### 3.1 Information & communication technologies (ICTs)
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
3.2.1 Electricity output, kWh/mn pop... 29.6 [54]
3.2.2 Logistics performance*... 29.6 81 ○ ○
3.2.3 Gross capital formation, % GDP... n/a n/a

### 3.3 Ecological sustainability
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 certificate/bn PPP$ GDP... 0.1 119 ○ ○

## MARKET SOPHISTICATION

<table>
<thead>
<tr>
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<tr>
<td>34.9</td>
<td>117</td>
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</table>

### 4.1 Credit
4.1.1 Ease of getting credit*... 29.0 110 ○
4.1.2 Domestic credit to private sector, % GDP... 60.0 74 ○ ○
4.1.3 Microfinance gross loans, % GDP... 20.9 112 ○ ○

### 4.2 Investment
4.2.1 Ease of protecting minority investors*... 20.0 [126]
4.2.2 Market capitalization, % GDP... n/a n/a
4.2.3 Venture capital deal/bn PPP$ GDP... n/a n/a

### 4.3 Trade, competition, and market scale
4.3.1 Applied tariff rate, weighted avg... 0.7 107 ○ ○
4.3.2 Intensity of local competition*... 52.4 125 ○ ○
4.3.3 Domestic market scale, bn PPP$... 58.1 97 ○ ○

## BUSINESS SOPHISTICATION

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>24.2</td>
<td>72</td>
<td>-</td>
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</tbody>
</table>

### 5.1 Knowledge workers
5.1.1 Knowledge-intensive employment, % GDP... 21.3 74 ○ ○
5.1.2 Firms offering formal training, % GDP... 24.4 62 ○ ○
5.1.3 GERD performed by business, % GDP... n/a n/a
5.1.4 GERD financed by business, % GDP... n/a n/a
5.1.5 Females employed w/advanced degrees, %... 5.4 89 ○ ○

### 5.2 Innovation linkages
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 deal/bn PPP$ GDP... 0.0 88 ○ ○
5.2.5 Patent families 2+ offices/bn PPP$ GDP... 0.0 101 ○ ○

## KNOWLEDGE & TECHNOLOGY OUTPUTS

<table>
<thead>
<tr>
<th>Score</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>11.5</td>
<td>108</td>
<td>-</td>
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</table>

### 6.1 Knowledge creation
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
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 ○ ○

## CREATIVE OUTPUTS

<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>16.8</td>
<td>86</td>
<td>-</td>
</tr>
</tbody>
</table>

### 7.1 Intangible assets
7.1.1 Trademarks by origin/bn PPP$ GDP... 4.6 194 ○ ○
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
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... 0.4 102 ○ ○
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
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.