

**GKI RANK** 45 /141

**GKI SCORE** 53

**WORLD AVERAGE** 47.8

**COUNTRY PERFORMANCE SUMMARY**

Seychelles is a strong performer in terms of its knowledge infrastructure. It ranks 45th out of 141 countries in the Global Knowledge Index 2024 and 44th out of the 59 countries with very high human development.

**AREAS OF STRENGTH**

- + Transport productive capacity
- + Investment in telecommunication services (% GDP)
- + Trade (% GDP)
- + GERD financed from abroad (%)
- + Citations per document

**AREAS OF IMPROVEMENT**

- Government expenditure on vocational education (%)
- Inbound mobility rate
- Research institutions prominence
- Participation rate in formal and non-formal education and training
- Building quality control

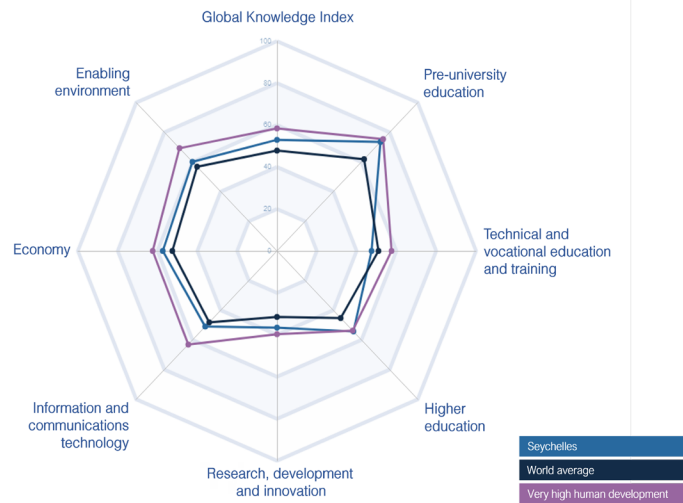
**SEYCHELLES**

**KEY INDICATORS**

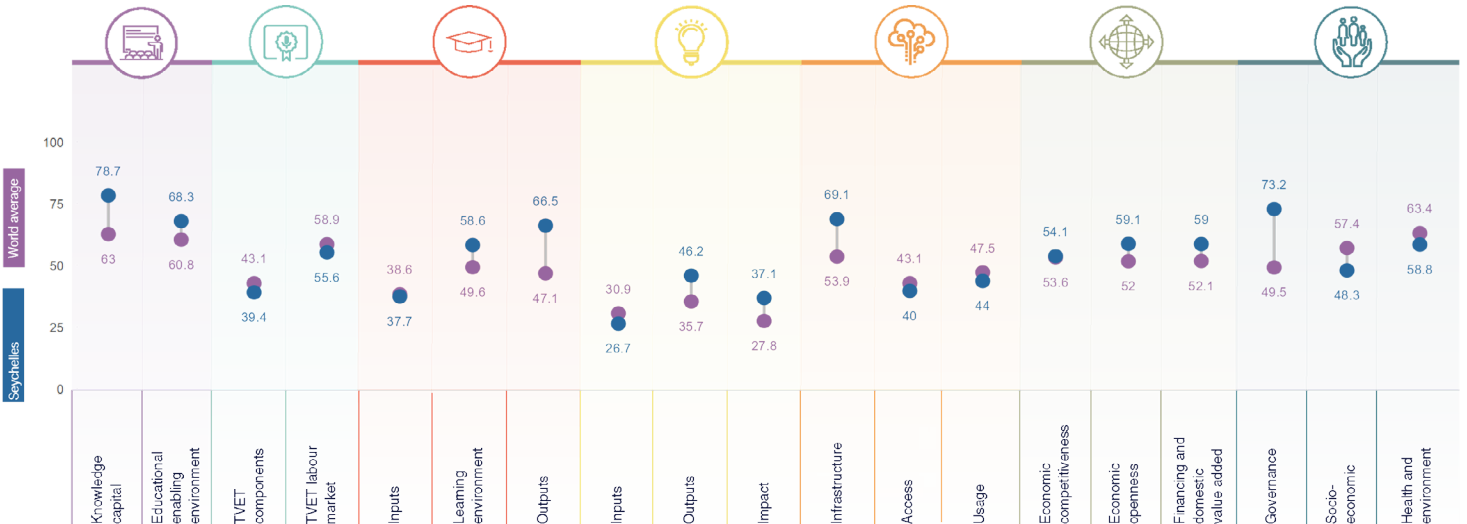
**GDP** (US\$ billions): 3.53  
**Population:** 127,951  
**HDI:** 0.802

**SECTORAL INDICES**

	RANK	VALUE
PRE-UNIVERSITY EDUCATION	44	73.5
TECHNICAL AND VOCATIONAL EDUCATION AND TRAINING	92	47.5
HIGHER EDUCATION	31	54.3
RESEARCH, DEVELOPMENT AND INNOVATION	37	36.6
INFORMATION AND COMMUNICATIONS TECHNOLOGY	64	51
ECONOMY	47	57.4
ENABLING ENVIRONMENT	55	60.1



**GKI PILLARS**





# SEYCHELLES

	Rank	Value
<b>PRE-UNIVERSITY EDUCATION</b>	<b>44</b>	<b>73.5</b>
<b>Knowledge capital</b>	<b>36</b>	<b>78.7</b>
Enrolment	58	90.5
Net enrolment rate in primary education	65	94.2
Net enrolment rate in lower secondary education	52	97.5
Net enrolment rate in upper secondary education	65	79.9
<b>Completion</b>	<b>55</b>	<b>74.8</b>
Years of compulsory education in primary and secondary	30	84.6
Completion rate in upper secondary education	n/a	n/a
Gross intake ratio to the last grade of lower secondary education	61	65
<b>Outcomes</b>	<b>28</b>	<b>70.7</b>
Assessment of 15-year-old students in math, science and reading	n/a	n/a
Learning-adjusted years of schooling	43	70.7
<b>Educational enabling environment</b>	<b>58</b>	<b>68.3</b>
<b>Expenditure</b>	<b>89</b>	<b>27</b>
Government expenditure on primary education (% GDP)	78	28.3
Government expenditure on secondary education (% GDP)	86	20.5
Government funding per primary student (% GDP per capita)	74	33.5
Government funding per secondary student (% GDP per capita)	78	25.6
<b>Resources</b>	<b>38</b>	<b>96.9</b>
Pupil-trained teacher ratio in primary education	29	93.4
Pupil-trained teacher ratio in secondary education	23	94.3
Schools with access to computers in primary education (%)	1	100
Schools with access to computers in secondary education (%)	1	100
<b>Early learning</b>	<b>16</b>	<b>81</b>
Gross enrolment ratio in early childhood education	12	77
Proportion of children who are developmentally on track	n/a	n/a
Proportion of children with stimulating home learning environments	n/a	n/a
Pupil-trained teacher ratio in pre-primary education	46	84.9
<b>Equity and inclusiveness</b>	<b>n/a</b>	<b>n/a</b>
Completion rate in upper secondary education, gender parity	n/a	n/a
Completion rate in upper secondary education, wealth parity	n/a	n/a
Completion rate in upper secondary education, location parity	n/a	n/a
<b>TECHNICAL AND VOCATIONAL EDUCATION AND TRAINING</b>	<b>92</b>	<b>47.5</b>
<b>TVET components</b>	<b>90</b>	<b>39.4</b>
<b>Continuous training and skilling</b>	<b>123</b>	<b>23.5</b>
Firms offering formal training (%)	46	44.8
Labour force participation rate with short-cycle tertiary education	n/a	n/a
Participation rate in formal and non-formal education and training	128	2.2
<b>TVET structure</b>	<b>81</b>	<b>39.4</b>
Government expenditure on vocational education (%)	80	0
Share of students enrolled in secondary vocational programmes	62	18.1
Share of students enrolled in post-secondary vocational programmes	1	100
<b>TVET quality and qualifications</b>	<b>13</b>	<b>55.3</b>
Extent of staff training	81	55.5
Quality of vocational training	64	55.1
Ratio of high-skill TVET occupations earnings to average wage	n/a	n/a
Ratio of medium-skill TVET occupations earnings to average wage	n/a	n/a
<b>TVET labour market</b>	<b>93</b>	<b>55.6</b>
<b>Efficiency of the labour market</b>	<b>102</b>	<b>62.4</b>
Firms constrained with inadequately educated workforce (%)	96	52.4
Employment educational mismatch (%)	n/a	n/a
Proportion of skilled production workers	43	72.3
Unemployment rate with vocational education	n/a	n/a
<b>Post-TVET employment</b>	<b>124</b>	<b>17.1</b>
Share of TVET occupations	n/a	n/a
Manufacturing employment (%)	114	17.1
<b>Equity and inclusiveness</b>	<b>16</b>	<b>87.2</b>
Enrolment in vocational education, gender parity	34	87.2
Vulnerable employment rate	n/a	n/a

	Rank	Value
<b>HIGHER EDUCATION</b>	<b>31</b>	<b>54.3</b>
<b>Inputs</b>	<b>77</b>	<b>37.7</b>
<b>Expenditure</b>	<b>35</b>	<b>36.5</b>
Government expenditure per tertiary student	14	36.5
Teaching staff compensation (% tertiary expenditure)	n/a	n/a
<b>Enrolment</b>	<b>115</b>	<b>3.7</b>
Enrolment in bachelor's or equivalent level (%)	112	4.9
Enrolment in master's, doctoral or equivalent (%)	113	2.4
<b>Resources</b>	<b>33</b>	<b>72.8</b>
Pupil-teacher ratio in tertiary education	72	72.8
Researchers in higher education (%)	n/a	n/a
<b>Learning environment</b>	<b>47</b>	<b>58.6</b>
<b>Diversity and academic freedom</b>	<b>54</b>	<b>58.6</b>
Teachers in tertiary education, gender parity	35	85.2
Inbound mobility rate	118	0
Academic freedom	22	90.7
<b>Equity and inclusiveness</b>	<b>n/a</b>	<b>n/a</b>
Gross attendance ratio for tertiary education, gender parity	n/a	n/a
Gross attendance ratio for tertiary education, wealth parity	n/a	n/a
Gross attendance ratio for tertiary education, location parity	n/a	n/a
<b>Outputs</b>	<b>8</b>	<b>66.5</b>
<b>Attainment</b>	<b>n/a</b>	<b>n/a</b>
Educational attainment rate, bachelor's or equivalent	n/a	n/a
Educational attainment rate, master's or equivalent	n/a	n/a
Educational attainment rate, doctoral or equivalent	n/a	n/a
<b>Employment</b>	<b>28</b>	<b>86.2</b>
Labour force participation rate with advanced education	21	86.5
Unemployment rate with advanced education	64	85.9
<b>Impact</b>	<b>39</b>	<b>46.9</b>
University-industry collaboration in R&D	64	46.9
Citable documents per R&D personnel in higher education	n/a	n/a
<b>RESEARCH, DEVELOPMENT AND INNOVATION</b>	<b>37</b>	<b>36.6</b>
<b>Inputs</b>	<b>72</b>	<b>26.7</b>
<b>Inputs of R&amp;D institutions</b>	<b>48</b>	<b>34.9</b>
GERD (% GDP)	89	3.7
GERD per researcher	n/a	n/a
Researchers per thousand labour force	n/a	n/a
Tertiary graduates from STEM programmes (%)	33	66.1
<b>Inputs of RDI in business enterprises</b>	<b>125</b>	<b>5.6</b>
GERD performed by business enterprises (%)	n/a	n/a
GERD financed by business enterprises (%)	86	2.5
Researchers in business enterprises (%)	n/a	n/a
Firms that spend on R&D (%)	98	8.7
<b>Inputs of societal innovation</b>	<b>76</b>	<b>31.2</b>
High-skilled employment (%)	55	36.1
Intellectual property payments (% total trade)	94	4.2
State of cluster development	42	53.4
<b>Outputs</b>	<b>27</b>	<b>46.2</b>
<b>Outputs of R&amp;D institutions</b>	<b>12</b>	<b>57</b>
Average documents per researcher	n/a	n/a
Citations per document	10	73.3
Resident patent applications (per 100 billion GDP)	92	40.7
<b>Outputs of RDI in business enterprises</b>	<b>30</b>	<b>39.9</b>
Intellectual property receipts (% total trade)	72	11.3
Industrial design applications (per 100 billion GDP)	n/a	n/a
PCT applications (per 100 billion GDP)	18	42
Firms producing new products and services (%)	25	66.4
<b>Outputs of societal innovation</b>	<b>94</b>	<b>30.9</b>
Trademark applications (per 100 billion GDP)	89	9.1
Cultural goods exports (% exports)	99	52.7
Printing and publishing output (% manufactured output)	n/a	n/a
<b>Impact</b>	<b>27</b>	<b>37.1</b>
<b>Quality</b>	<b>88</b>	<b>16.5</b>
Research institutions prominence	122	0
Growth of innovative companies	45	51.7
ISO 9001 quality certificates (per billion GDP)	79	6.8
ISO 14001 environmental certificates (per billion GDP)	67	7.6
<b>Linkages</b>	<b>2</b>	<b>64.6</b>
GERD financed from abroad (%)	7	64.6
Joint ventures per strategic alliance deals (per billion GDP)	n/a	n/a
Computer software spending (% GDP)	n/a	n/a
<b>Business development</b>	<b>106</b>	<b>30.1</b>
New business density per thousand population	71	7.9
Firms with products and services new to the market (%)	97	52.4



# SEYCHELLES

	Rank Value	
<b>INFORMATION AND COMMUNICATIONS TECHNOLOGY</b>	<b>64</b>	<b>51</b>
<b>Infrastructure</b>	<b>30</b>	<b>69.1</b>
Coverage	1	95.4
3G/4G mobile network coverage (% population)	57	98.4
Secure Internet servers per 1 million population	13	87.7
Investment in telecommunication services (% GDP)	1	100
Quality	70	23.6
Mobile upload and download speeds	45	20.2
Fixed-broadband upload and download speeds	96	9.7
Fixed-broadband subscriptions by speed per hundred people	63	40.8
Affordability	45	88.3
Fixed broadband basket (% GNI per capita)	38	76.9
Mobile broadband basket (% GNI per capita)	90	88
Internet and telephony competition	1	100
<b>Access</b>	<b>81</b>	<b>40</b>
Subscriptions	89	55.1
Active mobile-broadband subscriptions per hundred inhabitants	90	38.9
International Internet bandwidth per user	54	59
Households with Internet access at home (%)	93	67.3
Skills and employment	72	24.9
Individuals with standard ICT skills (%)	n/a	n/a
Tertiary graduates from ICT programmes (%)	45	34.2
ICT employment (%)	61	15.7
<b>Usage</b>	<b>81</b>	<b>44</b>
Services	94	42
Government online services	109	46.4
Fixed broadband Internet traffic per subscription	88	13.3
Mobile broadband Internet traffic per subscription	55	23.1
Internet users (%)	54	85.2
Outcomes	65	46
ICT PCT patent applications (per 100 billion GDP)	23	69.4
E-participation	114	30.1
Internet activities by individuals (%)	n/a	n/a
Trade in digitally deliverable services (% total trade)	56	38.4
<b>ECONOMY</b>	<b>47</b>	<b>57.4</b>
<b>Economic competitiveness</b>	<b>66</b>	<b>54.1</b>
Infrastructure investment	61	53.5
Gross fixed capital formation (% GDP)	120	27.5
Logistics performance	n/a	n/a
Transport productive capacity	2	93
Building quality control	133	40
Business agility	71	54.6
Ease of starting a business	117	78.8
Insolvency recovery rate	67	42.3
Entrepreneurial employee activity rate	n/a	n/a
Extent of corporate transparency	88	42.9
<b>Economic openness</b>	<b>51</b>	<b>59.1</b>
Trade and diversification	83	48.5
Trade (% GDP)	7	49.1
High-technology trade (% total trade)	132	4
Product concentration	124	53.1
Market concentration	85	87.9
Financial openness	42	69.6
Chinn-Ito financial openness	1	100
Foreign direct investment, net inflows (% GDP)	14	58.8
Debt dynamics	56	50
<b>Financing and domestic value added</b>	<b>38</b>	<b>59</b>
Financing and taxes	103	51.5
Domestic credit to private sector (% GDP)	108	9.9
MSME financing gap (% GDP)	n/a	n/a
Tax and contribution rate (% profit)	41	70.2
Bank non-performing loans (%)	89	74.4
Domestic value added	14	66.5
Medium- and high-tech activities value added	n/a	n/a
Industry and services value added (% GDP)	93	66.5
Labour underutilization rate	n/a	n/a
Output per worker	n/a	n/a

	Rank Value	
<b>ENABLING ENVIRONMENT</b>	<b>55</b>	<b>60.1</b>
<b>Governance</b>	<b>29</b>	<b>73.2</b>
Political environment	34	68.7
Peace and stability	27	72.6
Voice and accountability	43	64.7
Quality of institutions	32	77.7
Rule of law	44	65.6
Control of corruption	12	94.3
Government effectiveness	38	73.1
<b>Socio-economic</b>	<b>96</b>	<b>48.3</b>
Gender equity	140	25.9
Female-to-male ratio in parliament	97	25.9
Female-to-male labour force participation	n/a	n/a
Female-to-male ratio in Internet usage	n/a	n/a
Social inclusion	51	77.5
Social protection coverage (% population)	61	60.2
Adult literacy rate	43	94.8
Youth not in employment, education or training (%)	n/a	n/a
Standard of living	65	41.4
Poverty headcount ratio (% population)	76	61
GDP per capita	53	21.7
<b>Health and environment</b>	<b>107</b>	<b>58.8</b>
Health	62	77.6
Universal health coverage	62	74.6
Healthy life expectancy (years)	55	69.2
Under-five mortality rate	79	89
Environmental performance	127	40
Renewable energy consumption (%)	131	2
Ecological footprint per capita	n/a	n/a
Natural hazard exposure	15	78

\* All values are normalized to a scale from 0 (worst) to 100 (best).