



SRI LANKA

95th Sri Lanka ranks 95th among the 132 economies featured in the GII 2021.

The Global Innovation Index (GII) ranks world economies according to their innovation capabilities. Consisting of roughly 80 indicators, grouped into innovation inputs and outputs, the GII aims to capture the multi-dimensional facets of innovation.

The following table shows the rankings of Sri Lanka over the past three years, noting that data availability and changes to the GII model framework influence year-on-year comparisons of the GII rankings. The statistical confidence interval for the ranking of Sri Lanka in the GII 2021 is between ranks 84 and 97.

	GII	Innovation inputs	Innovation outputs
2021	95	103	85
2020	101	107	83
2019	89	94	77

Rankings for Sri Lanka (2019–2021)

- Sri Lanka performs better in innovation outputs than innovation inputs in 2021.
- This year Sri Lanka ranks 103rd in innovation inputs, higher than last year but lower than 2019.
- As for innovation outputs, Sri Lanka ranks 85th. This position is lower than both 2020 and 2019.

14th Sri Lanka ranks 14th among the 34 lower middle-income group economies.

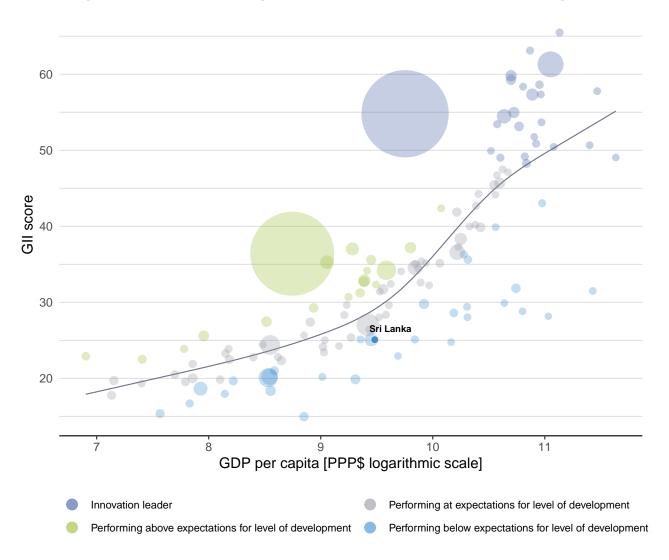
5th Sri Lanka ranks 5th among the 10 economies in Central and Southern Asia.



EXPECTED VS. OBSERVED INNOVATION PERFORMANCE

The bubble chart below shows the relationship between income levels (GDP per capita) and innovation performance (GII score). The trend line gives an indication of the expected innovation performance according to income level. Economies appearing above the trend line are performing better than expected and those below are performing below expectations.

Relative to GDP, Sri Lanka's performance is below expectations for its level of development.



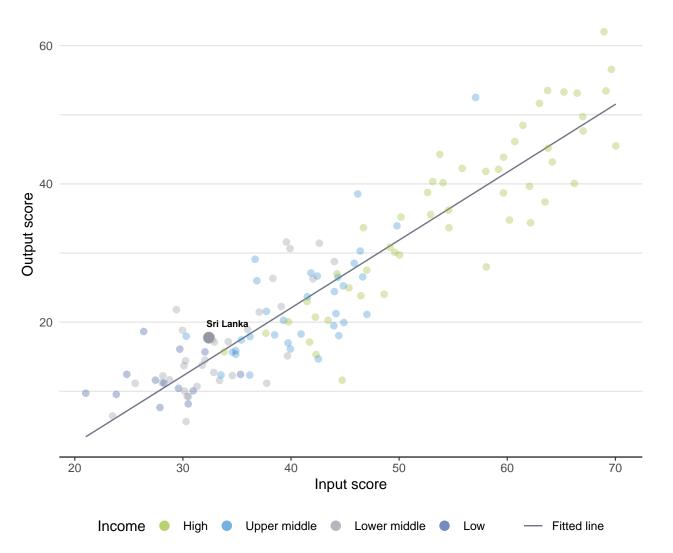
The positive relationship between innovation and development



EFFECTIVELY TRANSLATING INNOVATION INVESTMENTS INTO INNOVATION OUTPUTS

The chart below shows the relationship between innovation inputs and innovation outputs. Economies above the line are effectively translating costly innovation investments into more and higher-quality outputs.

Sri Lanka produces more innovation outputs relative to its level of innovation investments.

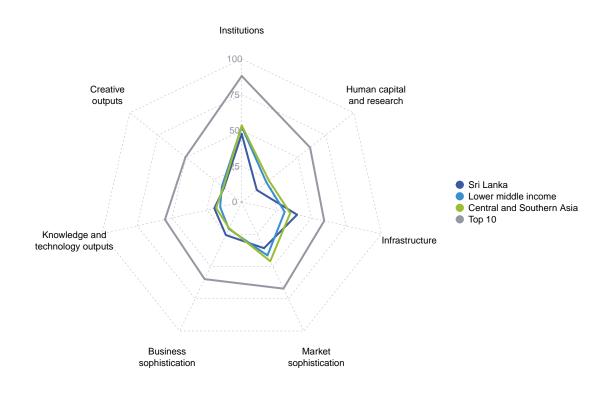


Innovation input to output performance



BENCHMARKING AGAINST OTHER LOWER MIDDLE-INCOME GROUP ECONOMIES AND CENTRAL AND SOUTHERN ASIA

The seven GII pillar scores for Sri Lanka



Lower middle-income group economies

Sri Lanka performs above the lower middle-income group average in three pillars, namely: Infrastructure; Business sophistication; and, Knowledge and technology outputs.

Central and Southern Asia

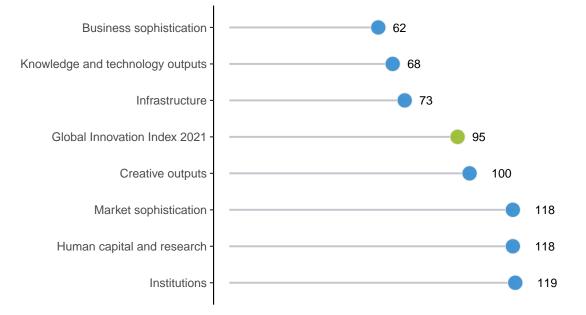
Sri Lanka performs above the regional average in three pillars, namely: Infrastructure; Business sophistication; and, Knowledge and technology outputs.



OVERVIEW OF RANKINGS IN THE SEVEN GII 2021 AREAS

Sri Lanka performs best in Business sophistication and its weakest performance is in Institutions.

The seven GII pillar ranks for Sri Lanka



Note: The highest possible ranking in each pillar is one.



INNOVATION STRENGTHS AND WEAKNESSES

The table below gives an overview of the strengths and weaknesses of Sri Lanka in the GII 2021.

Strengths and weaknesses for Sri Lanka

Strengths				Weaknesses		
Code	Indicator name	Rank	Code	Indicator name	Rank	
3.3	Ecological sustainability	37	1.2	Regulatory environment	130	
3.3.1	GDP/unit of energy use	4	1.2.3	Cost of redudancy dismissal	130	
4.2.1	Ease of protecting minority investors	27	2.1	Education	114	
5.2.1	University-industry R&D collaboration	44	2.1.1	Expenditure on education, % GDP	112	
5.2.2	State of cluster development and depth	44	2.1.2	Government funding/pupil, secondary, % GDP/cap	99	
5.2.4	Joint venture/strategic alliance deals/bn PPP\$ GDP	28	2.2.3	Tertiary inbound mobility, %	97	
5.3.3	ICT services imports, % total trade	26	2.3.3	Global corporate R&D investors, top 3, mn US\$	41	
6.2.1	Labor productivity growth, %	46	2.3.4	QS university ranking, top 3	74	
6.2.3	Software spending, % GDP	22	4.1	Credit	116	
6.3	Knowledge diffusion	46	4.1.1	Ease of getting credit	113	
6.3.4	ICT services exports, % total trade	16	4.2.3	Venture capital investors, deals/bn PPP\$ GDP	78	
7.2.4	Printing and other media, % manufacturing	11	4.3.1	Applied tariff rate, weighted avg., %	127	
			6.1.4	Scientific and technical articles/bn PPP\$ GDP	114	

Sri Lanka

GII 2021 rank



outp	ut rank	Input rank	Income	Region	Ρορι	lation (mn)	GDP, PPP\$ (bn)	GDP per capita, PPP\$	GII 20)20 ra
8	35	103	Lower middle	CSA	_	21.4	287.7	13,114	1	01
				Score/					Score/	
俞	Institut	tions			Rank	÷ 1	Business sophist	tication	Value 25.6	Rank 62
		environment		54.7			Knowledge workers		23.7	87
		and operationa	l stability*	67.9			(nowledge-intensive e	employment, %		68
1.2	Governm	ent effectivene	ess*	48.1		E10 C	Firms offering formal to			83
2		ory environme ry quality*	ent	21.3 38.7	130 O		GERD performed by b GERD financed by bus			73 44
	Rule of la			46.4		♦ 5.1.5 F	emales employed w/a	advanced degrees, %	3.2	100
		edundancy dis		58.5			nnovation linkages	Deallaborationt	21.3	62
. 3 3.1		s environmen starting a busin		66.6 88.2			University-industry R& State of cluster develo		48.7 50.4	44 44
		esolving insolv		45.0		5.2.3	GERD financed by abr	oad, % GDP		79
							loint venture/strategic a Patent families/bn PPF	alliance deals/bn PPP\$ GDP P\$ GDP	0.1 0.0	28 73
2	Humar	n capital an	d research	13.5	118 0	\diamond	Knowledge absorption		31.7	53
1	Educatio	on		29.6	114 〇	5.3.1 lr	ntellectual property pa	ayments, % total trade	n/a	n/a
	•	ure on educati	,	2.1 ap 6.7		× εοο μ	ligh-tech imports, % CT services imports, 9		7.7 2.3	64 26
		fe expectancy,	pil, secondary, % GDP/c years	ap 6.7 14.1		♦ 5.3.4 F	DI net inflows, % GDI	P	1.4	95
1.4	PISA sca	les in reading,	maths and science	n/a		5.3.5 F	Research talent, % in I	businesses	20.0	54
	•	cher ratio, sec	ondary	Ø 17.5		Jawa H	(nowledge and	technology outputs	19.7	68
	-	education enrolment, % g	ross	9.9 21.1		_		teennology outputs		
2.2	Graduate	es in science a	nd engineering, %	n/a	n/a		Knowledge creation Patents by origin/bn P	PP\$ CDP	7.7 1.2	90 59
	-	nbound mobilit	-	0.5			PCT patents by origin/		0.1	69
		h and develop hers, FTE/mn p		0.9 ② 106.4			Jtility models by origin	-	n/a	n/a
3.2	Gross ex	penditure on F	&D, % GDP	Ø 0.1	100	6.1.5 0	Citable documents H-i	al articles/bn PPP\$ GDP index	4.7 10.6	114 72
		orporate R&D in ersity ranking, t	nvestors, top 3, mn USS	6 0.0 0.0	-		Knowledge impact		26.3	79
0.4		a only running, e	5 4 0	0.0	140	6.2.1 L	abor productivity gro		1.0	46
₿ ^{¢t}	Infrast	ructure		39.7	73		New businesses/th po Software spending, %		0.7 0.4	88 22
	Informati	onandcommu	nication technologies (IC	Ts) 57.4	88		SO 9001 quality certif		4.2	62
1.1	ICT acce			49.1	92		High-tech manufacturi Knowledge diffusion	-	7.7 25.0	95 46
	ICT use*	ient's online se	nice*	37.4 71.8			ntellectual property re		23.0 n/a	
	E-partici		NOC	71.4		6.3.2 F	Production and export		35.6	77
		infrastructure		22.1			ligh-tech exports, % t CT services exports, 9		0.9 4.8	75 16
		y output, GWh performance*	/mn pop.	711.5 25.6						
		pital formation	, % GDP	24.4		€; (Creative outputs		15.8	100
		cal sustainabi	lity	39.5		· /.I II	ntangible assets		21.1	97
		t of energy use nental performa	anco*	23.7 39.0		♦ 7.1.1 T	rademarks by origin/b		22.5	88
0.2		•	l certificates/bn PPP\$ G				Global brand value, top ndustrial designs by o		15.7 1.6	53 54
3.3							CTs and organizationa		47.5	91
		t sophistica	tion	35.8	118 O		Creative goods and s			[67]
	Market			25.5	116 〇		Cultural and creative se National feature films/r	rvices exports, % total trade mn pop. 15–69	n/a 1.0	n/a 85
ííí 1	Credit				113 〇	7.2.3 E	Entertainment and me	dia market/th pop. 15–69	n/a	n/a
1 1.1	Credit Ease of g	getting credit*	te sector % CDD	40.0			rinting and other med	lia, % manufacturing 🖉	2.3	11 67
1 1.1 1.2	Credit Ease of g Domestic	, ,	ite sector, % GDP is, % GDP	40.0 49.8 0.5	70		0	, ,) 04	
1 1.1 1.2 1.3	Credit Ease of g Domestic	c credit to priva ance gross loar		49.8	70 35	7.2.5 C	Creative goods export	, ,		
1 1.1 1.2 1.3 2 2.1	Credit Ease of g Domestic Microfina Investme Ease of p	c credit to priva ance gross loar ent protecting mino	ns, % GDP rity investors*	49.8 0.5 20.7 72.0	70 35 109 27 ●	7.2.5 C 7.3 C ♦ 7.3.1 G	Creative goods export Online creativity Generic top-level dom	s, % total trade @ains (TLDs)/th pop. 15–69	7.4 0.7	112 101
1 1.1 1.2 1.3 2 2.1 2.2	Credit Ease of g Domestic Microfina Investme Ease of p Market c	c credit to priva ance gross loar ent protecting minc apitalization, %	ns, % GDP rity investors*	49.8 0.5 20.7	70 35 109 27 ● 60	7.2.5 C 7.3 C 7.3.1 C 7.3.2 C	Creative goods export Online creativity Generic top-level dom Country-code TLDs/th	s, % total trade @ ains (TLDs)/th pop. 15–69 pop. 15–69	7.4 0.7 0.9	112 101 89
1 1.1 1.2 1.3 2 2.1 2.2 2.3	Credit Ease of g Domestic Microfina Investme Ease of p Market c Venture of	c credit to priva ance gross loar ent protecting mino apitalization, % capital investor	ns, % GDP rity investors* 5 GDP	49.8 0.5 20.7 72.0 19.3 0.0	70 35 109 27 ● 60 78 ○	7.2.5 C 7.3 C 7.3.1 C 7.3.2 C 7.3.3 V	Creative goods export Online creativity Generic top-level dom	s, % total trade ains (TLDs)/th pop. 15–69 1 pop. 15–69 p. 15–69	7.4 0.7	112 101 89
1 1.1 1.2 1.3 2 2.1 2.2 2.3 2.4 3	Credit Ease of g Domestic Microfina Investme Ease of p Market c Venture o Venture o Trade, d	c credit to priva ance gross loar ent protecting mino apitalization, % capital investor capital recipien iversification,	is, % GDP rity investors* 6 GDP 5, deals/bn PPP\$ GDP ts, deals/bn PPP\$ GDP and market scale	49.8 0.5 20.7 72.0 19.3 0.0 2	70 35 109 27 ● 60 78 ○ 71 90	7.2.5 C 7.3 C 7.3.1 C 7.3.2 C 7.3.3 V 7.3.4 N	Creative goods export Dnline creativity Generic top-level dom Country-code TLDs/th Vikipedia edits/mn po	s, % total trade ains (TLDs)/th pop. 15–69 1 pop. 15–69 p. 15–69	7.4 0.7 0.9 30.0	112 101 89 104
1 1.1 1.2 1.3 2 2.1 2.2 2.3 2.4 3 3.1	Credit Ease of g Domestic Microfina Investme Ease of p Market c Venture of Venture of Venture of Trade, d	c credit to priva ance gross loar ent protecting mino apitalization, % capital investor capital recipien	ns, % GDP writy investors* & GDP s, deals/bn PPP\$ GDP ts, deals/bn PPP\$ GDP and market scale nted avg., %	49.8 0.5 20.7 72.0 19.3 0.0 ♥ ∅ 0.0	70 35 109 27 ● 60 78 ○ 71 90 127 ○	7.2.5 C 7.3 C 7.3.1 C 7.3.2 C 7.3.3 V 7.3.4 N	Creative goods export Dnline creativity Generic top-level dom Country-code TLDs/th Vikipedia edits/mn po	s, % total trade ains (TLDs)/th pop. 15–69 1 pop. 15–69 p. 15–69	7.4 0.7 0.9 30.0	112 101 89 104

NOTES: \bullet indicates a strength; \bigcirc a weakness; \bullet an income group strength; \diamondsuit an income group weakness; * an index; † a survey question. \oslash indicates that the economy's data are older than the base year; see Appendix IV 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.



DATA AVAILABILITY

The following tables list data that are either missing or outdated for Sri Lanka.

Missing data for Sri Lanka

Code	Indicator name	Economy year	Model year	Source
2.1.4	PISA scales in reading, maths and science	n/a	2018	OECD Programme for International Student Assessment (PISA)
2.2.2	Graduates in science and engineering, %	n/a	2018	UNESCO Institute for Statistics; Eurostat; OECD - Main Science and Technology Indicators
5.3.1	Intellectual property payments, % total trade	n/a	2019	World Trade Organization
6.1.3	Utility models by origin/bn PPP\$ GDP	n/a	2019	World Intellectual Property Organization
6.3.1	Intellectual property receipts, % total trade	n/a	2019	World Trade Organization
7.2.1	Cultural and creative services exports, % total trade	n/a	2019	World Trade Organization
7.2.3	Entertainment and media market/th pop. 15-69) n/a	2020	PwC

Outdated data for Sri Lanka

Code	Indicator name	Economy year	Model year	Source
2.1.5	Pupil-teacher ratio, secondary	2018	2019	UNESCO Institute for Statistics
2.3.1	Researchers, FTE/mn pop.	2017	2019	UNESCO Institute for Statistics; Eurostat; OECD - Main Science and Technology Indicators
2.3.2	Gross expenditure on R&D, % GDP	2017	2019	UNESCO Institute for Statistics; Eurostat; OECD - Main Science and Technology Indicators
4.2.4	Venture capital recipients, deals/bn PPP\$ GDF	2018	2020	Refinitiv Eikon
5.1.1	Knowledge-intensive employment, %	2018	2019	International Labour Organization
5.1.2	Firms offering formal training, %	2011	2019	World Bank



Code	Indicator name	Economy year	Model year	Source
5.1.3	GERD performed by business, % GDP	2017	2019	UNESCO Institute for Statistics; Eurostat; OECD - Main Science and Technology Indicators
5.1.4	GERD financed by business, %	2017	2018	UNESCO Institute for Statistics; Eurostat; OECD - Main Science and Technology Indicators
5.1.5	Females employed w/advanced degrees, %	2018	2019	International Labour Organization
5.2.3	GERD financed by abroad, % GDP	2017	2018	UNESCO Institute for Statistics
5.3.2	High-tech imports, % total trade	2017	2019	United Nations, COMTRADE
5.3.5	Research talent, % in businesses	2017	2019	UNESCO Institute for Statistics; Eurostat; OECD - Main Science and Technology Indicators
6.3.3	High-tech exports, % total trade	2017	2019	United Nations, COMTRADE
7.2.2	National feature films/mn pop. 15–69	2013	2017	UNESCO Institute for Statistics
7.2.4	Printing and other media, % manufacturing	2017	2018	United Nations Industrial Development Organization
7.2.5	Creative goods exports, % total trade	2017	2019	United Nations, COMTRADE

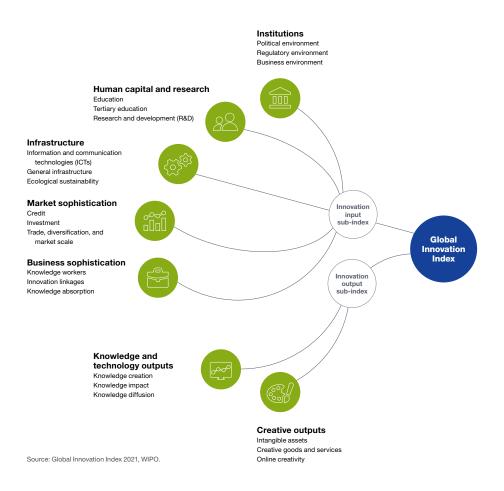
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ABOUT THE GLOBAL INNOVATION INDEX

The Global Innovation Index (GII) is published by the World Intellectual Property Organization (WIPO), a specialized agency of the United Nations.

Recognizing that innovation is a key driver of economic development, the GII aims to provide an innovation ranking and rich analysis referencing around 130 economies. Over the last decade, the GII has established itself as both a leading reference on innovation and a "tool for action" for economies that incorporate the GII into their innovation agendas.



The Index is a ranking of the innovation capabilities and results of world economies. It measures innovation based on criteria that include institutions, human capital and research, infrastructure, credit, investment, linkages; the creation, absorption and diffusion of knowledge; and creative outputs.

The GII has two sub-indices: the Innovation Input Sub-Index and the Innovation Output Sub-Index, and seven pillars, each consisting of three sub-pillars.