European Commission

Regional Innovation
Scoreboard **2023**
Regional profiles
Lithuania

Innovation

Regional Innovation Scoreboard 2023 – Regional profiles Lithuania

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Regional profiles Lithuania

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LITHUANIA
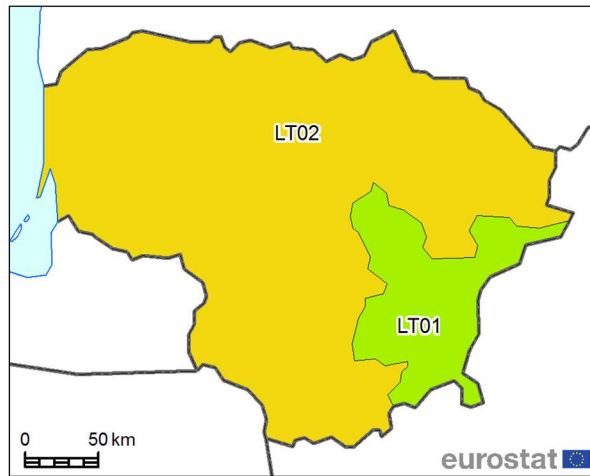
Map administrative boundaries: ©EuroGeographics ©UN-FAO ©Turkstat

NUTS	Region	RII	Rank	Group	Change
LT	Lithuania	83.8	--	Moderate Innovator	16.7
LT01	Sostinės regionas	103.1	94	Strong Innovator -	17.1
LT02	Vidurio ir vakarų Lietuvos regionas	70.6	174	Moderate Innovator -	14.4

Lithuania is a Moderate Innovator and includes two regions.

Sostinės regionas (LT01), the capital region, is the most innovative region and is a Strong Innovator -. *Vidurio ir vakarų Lietuvos regionas* (LT02) is a Moderate Innovator -.

Performance has increased for both regions, also at higher rate than that of the EU (8.5).

Sostines regionas (LT01)

	Data	Normalised score	Relative to LT	Relative to EU
Tertiary education	73.4	1.000	113	190
Lifelong learning	11.3	0.390	137	105
International scientific co-publications	1928	0.466	210	152
Most-cited scientific publications	584.9	0.283	99	52
Above average digital skills	23.4	0.400	102	85
R&D expenditures public sector	0.82	0.586	121	103
R&D expenditures business sector	0.94	0.532	133	79
Non-R&D innovation expenditures	±	0.504	82	125
Innovation expenditures per person employed	±	0.483	110	80
Employed ICT specialists	7.6	0.942	217	179
Product innovators	±	0.732	115	131
Business process innovators	±	0.744	107	115
Innovative SMEs collaborating	±	0.727	130	149
Public-private co-publications	205.4	0.478	148	122
PCT patent applications	0.38	0.210	100	34
Trademark applications	16.31	1.000	138	200
Design applications	2.98	0.502	120	87
Employment knowledge-intensive activities	18.1	0.659	165	116
Employment innovative enterprises	±	0.659	103	115
Sales of innovative products	±	0.724	126	151
Air emissions by fine particulates	10.6	0.630	94	105
Average normalised score	--	0.602	--	--
Country EIS-RIS correction factor	--	0.937	--	--
Regional Innovation Index (RII) 2023	--	0.564	--	--
Performance 2023 relative to EU in 2023	--	--	123.0	103.1
Performance 2023 relative to EU in 2016	--	--	--	111.8
Regional Innovation Index (RII) 2016	--	0.478	--	--
Performance 2016 relative to EU in 2016	--	--	127.7	94.7
Performance change over time	--	--	-4.7	17.1

± Scores are not shown as these would allow recalculating confidential regional CIS data.

Sostines regionas (LT01) is a Strong Innovator -. Innovation performance has increased over time (17.1%).

The first 21 rows and two data columns in the table on the left show the values and the normalised scores per indicator. The last two data columns show relative performance of the normalised scores compared to Lithuania and the EU. The next 7 rows show the calculation of the Regional Innovation Index (RII), the RII relative to both Lithuania (123) and the EU (103.1) in 2023, the RII in 2023 relative to the EU in 2016 (111.8), and the RII in 2016 relative to both Lithuania (127.7) and the EU in 2016 (94.7). The last row shows performance change between 2016 and 2023 compared to Lithuania (-4.7%) and to the EU (17.1%).

The radar graph shows relative strengths compared to Lithuania (orange line) and the EU (blue line), showing relative strengths (e.g. Trademark applications) and weaknesses (e.g. PCT patent applications).

The table below shows data highlighting possible structural differences, e.g. GDP per capita (above EU average) and Employment in Agriculture & Mining (below EU average).

	LT01	LT	EU
Share of employment in:			
Agriculture & Mining (A-B)	1.6	6.0	4.4
Manufacturing (C)	11.6	16.1	16.4
Utilities & Construction (D-F)	8.2	9.5	8.3
Services (G-N)	71.2	62.1	63.7
Public administration (O-U)	7.5	6.3	7.2
Average number of employed persons per enterprise	4.7	4.1	5.1
GDP per capita (PPS)	43,100	29,000	32,400
GDP per capita growth (PPS)	6.8	5.7	2.5
Population density	85	43	106
Urbanisation	77.6	61.4	75.8
Population size (000s)	830	2,800	447,210
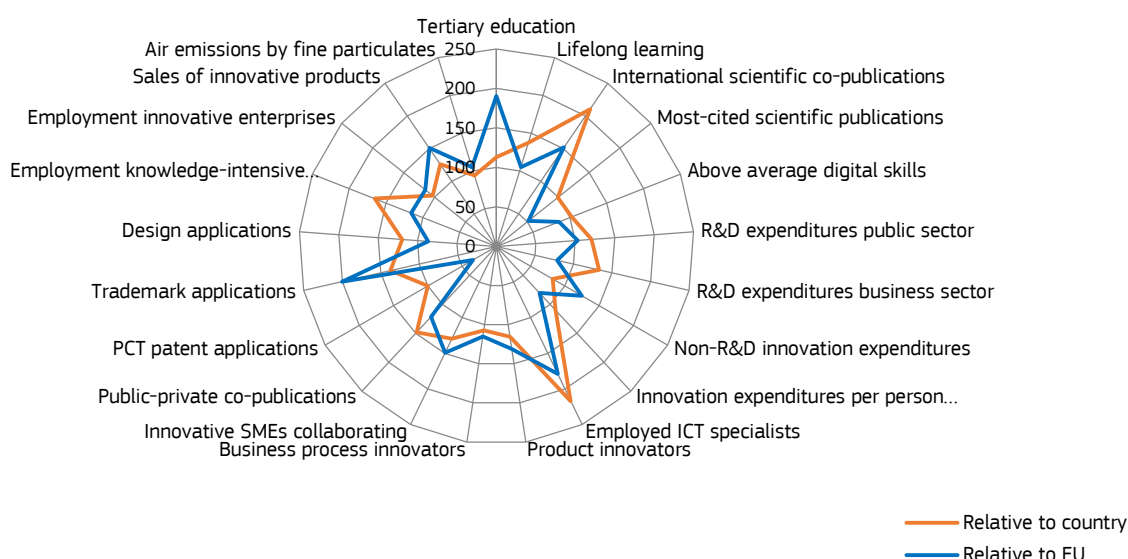
Vidurio ir vakaru Lietuvos regionas (LT02)

	Data	Normalised score	Relative to	
			LT	EU
Tertiary education	49.1	0.701	79	133
Lifelong learning	7.2	0.235	83	63
International scientific co-publications	549	0.131	59	43
Most-cited scientific publications	611.8	0.301	106	55
Above average digital skills	22.8	0.387	99	82
R&D expenditures public sector	0.44	0.400	82	70
R&D expenditures business sector	0.23	0.263	66	39
Non-R&D innovation expenditures	±	0.686	112	170
Innovation expenditures per person employed	±	0.410	94	68
Employed ICT specialists	1.9	0.181	42	34
Product innovators	±	0.573	90	103
Business process innovators	±	0.660	95	102
Innovative SMEs collaborating	±	0.460	82	94
Public-private co-publications	54.3	0.246	76	63
PCT patent applications	0.38	0.210	100	34
Trademark applications	6.49	0.440	61	88
Design applications	1.40	0.345	82	59
Employment knowledge-intensive activities	9.8	0.265	67	47
Employment innovative enterprises	±	0.625	98	109
Sales of innovative products	±	0.460	80	96
Air emissions by fine particulates	9.5	0.686	102	114
Average normalised score	--	0.413	--	--
Country EIS-RIS correction factor	--	0.937	--	--
Regional Innovation Index (RII) 2023	--	0.387	--	--
Performance 2023 relative to EU in 2023	--	--	84.2	70.6
Performance 2023 relative to EU in 2016	--	--	--	76.6
Regional Innovation Index (RII) 2016	--	0.314	--	--
Performance 2016 relative to EU in 2016	--	--	83.8	62.2
Performance change over time	--	--	0.4	14.4

± Scores are not shown as these would allow recalculating confidential regional CIS data.

Vidurio ir vakaru Lietuvos regionas (LT02) is a Moderate Innovator -. Innovation performance has increased over time (14.4%).
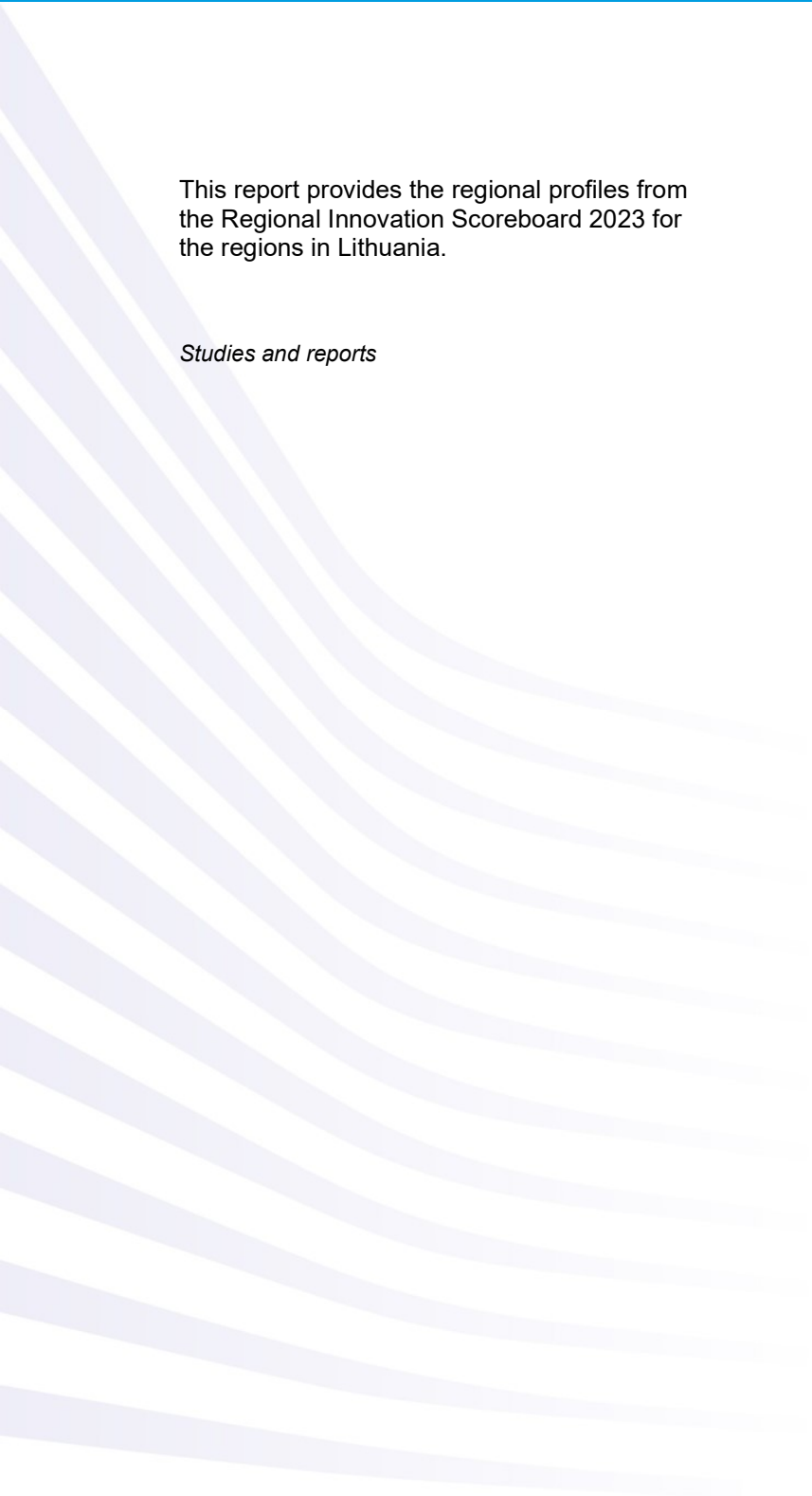
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The radar graph shows relative strengths compared to Lithuania (orange line) and the EU (blue line), showing relative strengths (e.g. Non-R&D innovation expenditures) and weaknesses (e.g. PCT patent applications).

The table below shows data highlighting possible structural differences, e.g. Employment in Agriculture & Mining (above EU average) and Population density (below EU average).

	LT02	LT	EU
Share of employment in:			
Agriculture & Mining (A-B)	8.1	6.0	4.4
Manufacturing (C)	18.3	16.1	16.4
Utilities & Construction (D-F)	10.2	9.5	8.3
Services (G-N)	57.7	62.1	63.7
Public administration (O-U)	5.7	6.3	7.2
Average number of employed persons per enterprise	3.7	4.1	5.1
GDP per capita (PPS)	23,200	29,000	32,400
GDP per capita growth (PPS)	4.8	5.7	2.5
Population density	35	43	106
Urbanisation	54.2	61.4	75.8
Population size (000s)	1,970	2,800	447,210
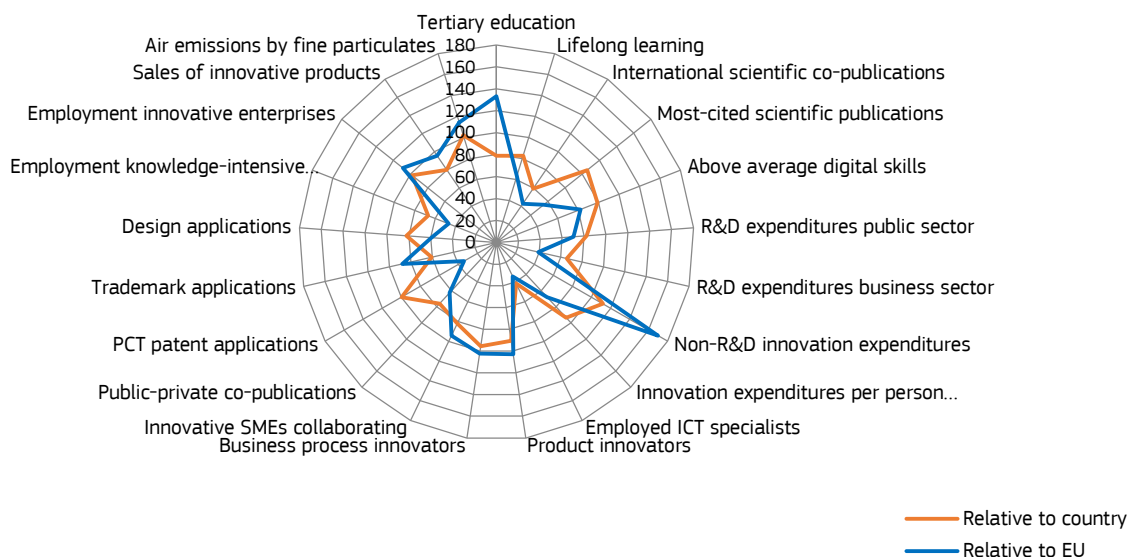
This report provides the regional profiles from the Regional Innovation Scoreboard 2023 for the regions in Lithuania.

Studies and reports