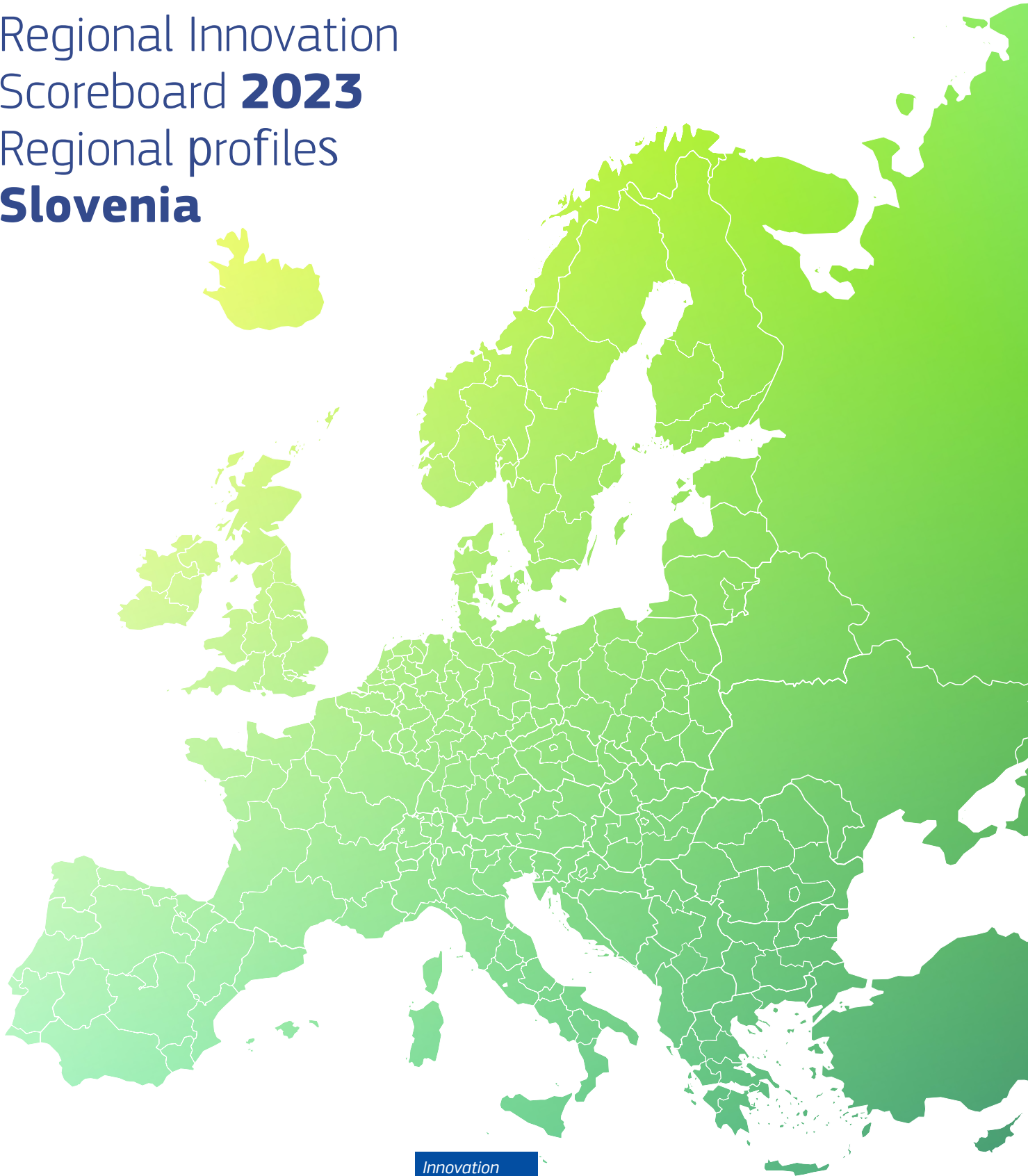




European  
Commission

# Regional Innovation Scoreboard **2023** Regional profiles **Slovenia**



*Innovation*

## Regional Innovation Scoreboard 2023 – Regional profiles Slovenia

European Commission

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# **Regional Innovation Scoreboard 2023**

## **Regional profiles Slovenia**

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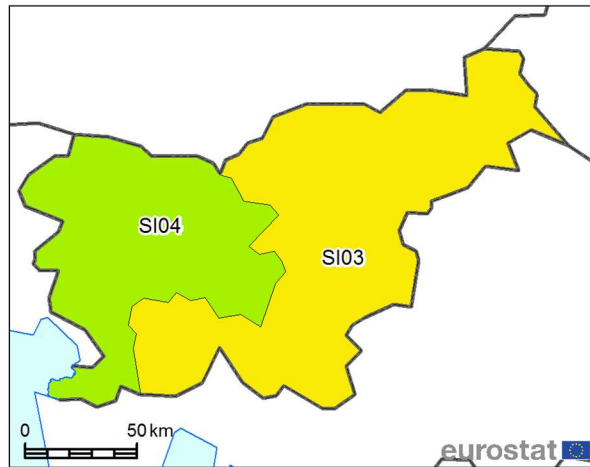
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## SLOVENIA



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

NUTS	Region	RII	Rank	Group	Change
SI	Slovenia	95.1	--	Moderate Innovator	2.9
SI03	Vzhodna Slovenija	84.9	144	Moderate Innovator	1.0
SI04	Zahodna Slovenija	105.4	85	Strong Innovator -	4.1

Slovenia is a Moderate Innovator and includes two regions.

*Zahodna Slovenija* (SI04) is the most innovative region and a Strong Innovator -. *Vzhodna Slovenija* (SI03) is a Moderate Innovator.

Performance has increased for both regions. For both regions performance also increased at a lower rate than that of the EU (8.5).

Vzhodna Slovenija (SI03)

	Data	Normalised score	Relative to	
			SI	EU
Tertiary education	44.3	0.594	88	113
Lifelong learning	17.4	0.621	92	167
International scientific co-publications	673	0.161	35	53
Most-cited scientific publications	974.0	0.541	129	99
Above average digital skills	19.3	0.306	97	65
R&D expenditures public sector	0.13	0.168	37	30
R&D expenditures business sector	1.47	0.665	97	99
Non-R&D innovation expenditures	±	0.163	105	40
Innovation expenditures per person employed	±	0.384	96	64
Employed ICT specialists	3.4	0.378	67	72
Product innovators	±	0.680	92	122
Business process innovators	±	0.569	91	88
Innovative SMEs collaborating	±	0.499	94	103
Public-private co-publications	144.0	0.400	64	102
PCT patent applications	3.43	0.634	130	103
Trademark applications	6.92	0.469	76	94
Design applications	1.74	0.383	89	66
Employment knowledge-intensive activities	19.1	0.706	89	124
Employment innovative enterprises	±	0.623	98	109
Sales of innovative products	±	0.538	128	112
Air emissions by fine particulates	11.9	0.565	105	94
Average normalised score	--	0.479	--	--
Country EIS-RIS correction factor	--	0.971	--	--
Regional Innovation Index (RII) 2023	--	0.465	--	--
Performance 2023 relative to EU in 2023	--	--	89.3	84.9
Performance 2023 relative to EU in 2016	--	--	--	92.1
Regional Innovation Index (RII) 2016	--	0.460	--	--
Performance 2016 relative to EU in 2016	--	--	91.0	91.1
Performance change over time	--	--	-1.7	1.0

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

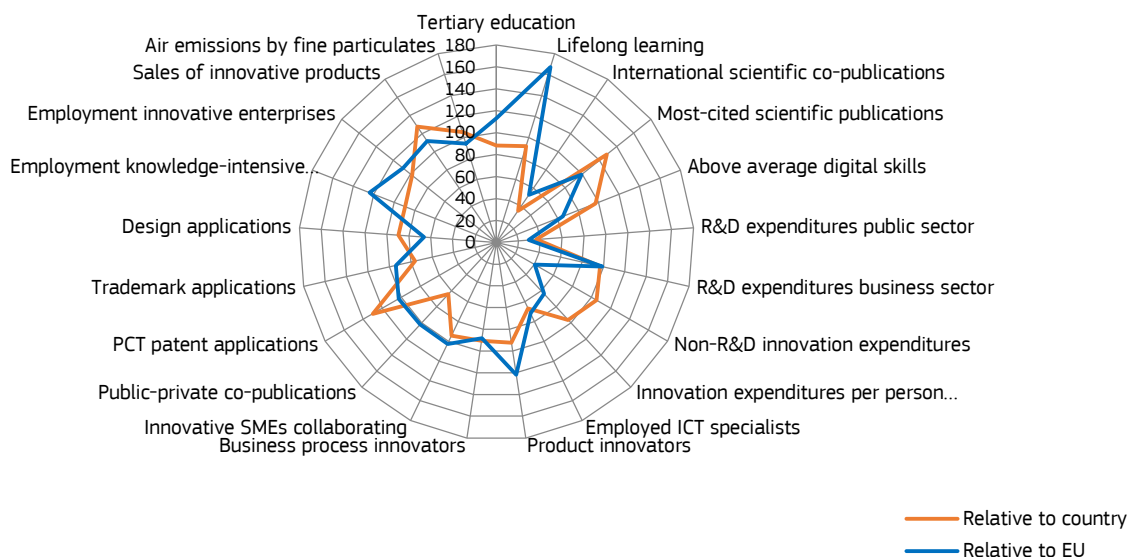
Vzhodna Slovenija (SI03) is a Moderate Innovator. Innovation performance has increased over time (1%).

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 Slovenia and the EU. The next 7 rows show the calculation of the Regional Innovation Index (RII), the RII relative to both Slovenia (89.3) and the EU (84.9) in 2023, the RII in 2023 relative to the EU in 2016 (92.1), and the RII in 2016 relative to both Slovenia (91) and the EU in 2016 (91.1). The last row shows performance change between 2016 and 2023 compared to Slovenia (-1.7%) and to the EU (1%).

The radar graph shows relative strengths compared to Slovenia (orange line) and the EU (blue line), showing relative strengths (e.g. Lifelong learning) and weaknesses (e.g. R&D expenditures public sector).

The table below shows data highlighting possible structural differences, e.g. Employment in Manufacturing (above EU average) and Urbanisation (below EU average).

	SI03	SI	EU
Share of employment in:			
Agriculture & Mining (A-B)	6.1	4.3	4.4
Manufacturing (C)	28.1	24.5	16.4
Utilities & Construction (D-F)	8.6	8.0	8.3
Services (G-N)	51.3	57.1	63.7
Public administration (O-U)	5.9	6.1	7.2
Average number of employed persons per enterprise	n/a	n/a	5.1
GDP per capita (PPS)	23,900	29,200	32,400
GDP per capita growth (PPS)	3.7	3.9	2.5
Population density	89	104	106
Urbanisation	40.7	57.0	75.8
Population size (000s)	1,110	2,110	447,210



Zahodna Slovenija (SI04)

	Data	Normalised score	Relative to	
			SI	EU
Tertiary education	51.7	0.758	113	144
Lifelong learning	20.6	0.742	109	200
International scientific co-publications	3439	0.832	180	271
Most-cited scientific publications	776.5	0.410	97	75
Above average digital skills	20.2	0.327	103	70
R&D expenditures public sector	0.89	0.615	134	108
R&D expenditures business sector	1.66	0.707	103	105
Non-R&D innovation expenditures	±	0.148	96	37
Innovation expenditures per person employed	±	0.412	103	68
Employed ICT specialists	6.3	0.764	135	145
Product innovators	±	0.788	107	141
Business process innovators	±	0.681	108	105
Innovative SMEs collaborating	±	0.555	105	114
Public-private co-publications	645.8	0.847	136	216
PCT patent applications	0.96	0.335	69	54
Trademark applications	10.74	0.729	118	146
Design applications	2.50	0.460	107	79
Employment knowledge-intensive activities	23.0	0.891	113	157
Employment innovative enterprises	±	0.644	102	112
Sales of innovative products	±	0.326	78	68
Air emissions by fine particulates	13.2	0.503	94	84
Average normalised score	--	0.594	--	--
Country EIS-RIS correction factor	--	0.971	--	--
Regional Innovation Index (RII) 2023	--	0.577	--	--
Performance 2023 relative to EU in 2023	--	--	110.9	105.4
Performance 2023 relative to EU in 2016	--	--	--	114.3
Regional Innovation Index (RII) 2016	--	0.557	--	--
Performance 2016 relative to EU in 2016	--	--	110.1	110.2
Performance change over time	--	--	0.8	4.1

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

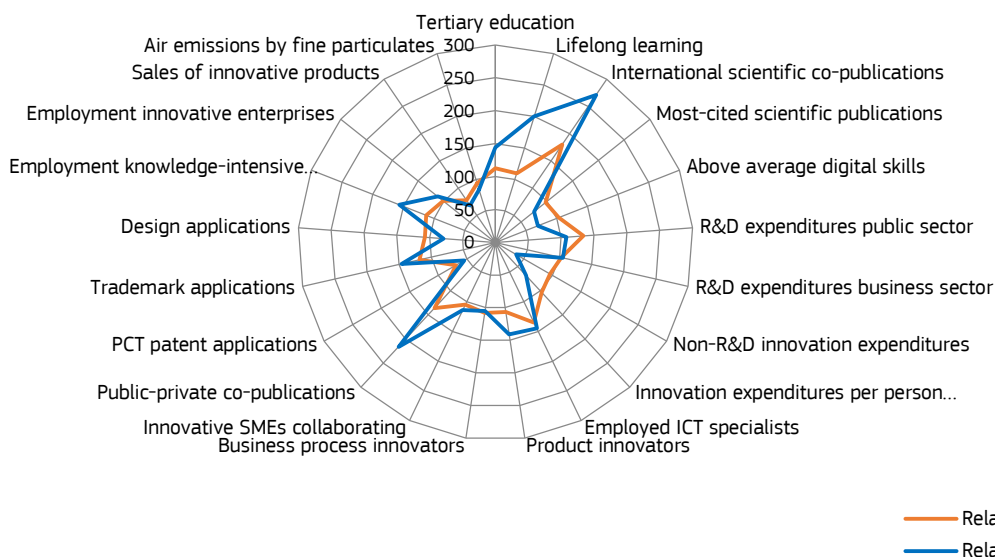
Zahodna Slovenija (SI04) is a Strong Innovator -. Innovation performance has increased over time (4.1%).

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 Slovenia and the EU. The next 7 rows show the calculation of the Regional Innovation Index (RII), the RII relative to both Slovenia (110.9) and the EU (105.4) in 2023, the RII in 2023 relative to the EU in 2016 (114.3), and the RII in 2016 relative to both Slovenia (110.1) and the EU in 2016 (110.2). The last row shows performance change between 2016 and 2023 compared to Slovenia (0.8%) and to the EU (4.1%).

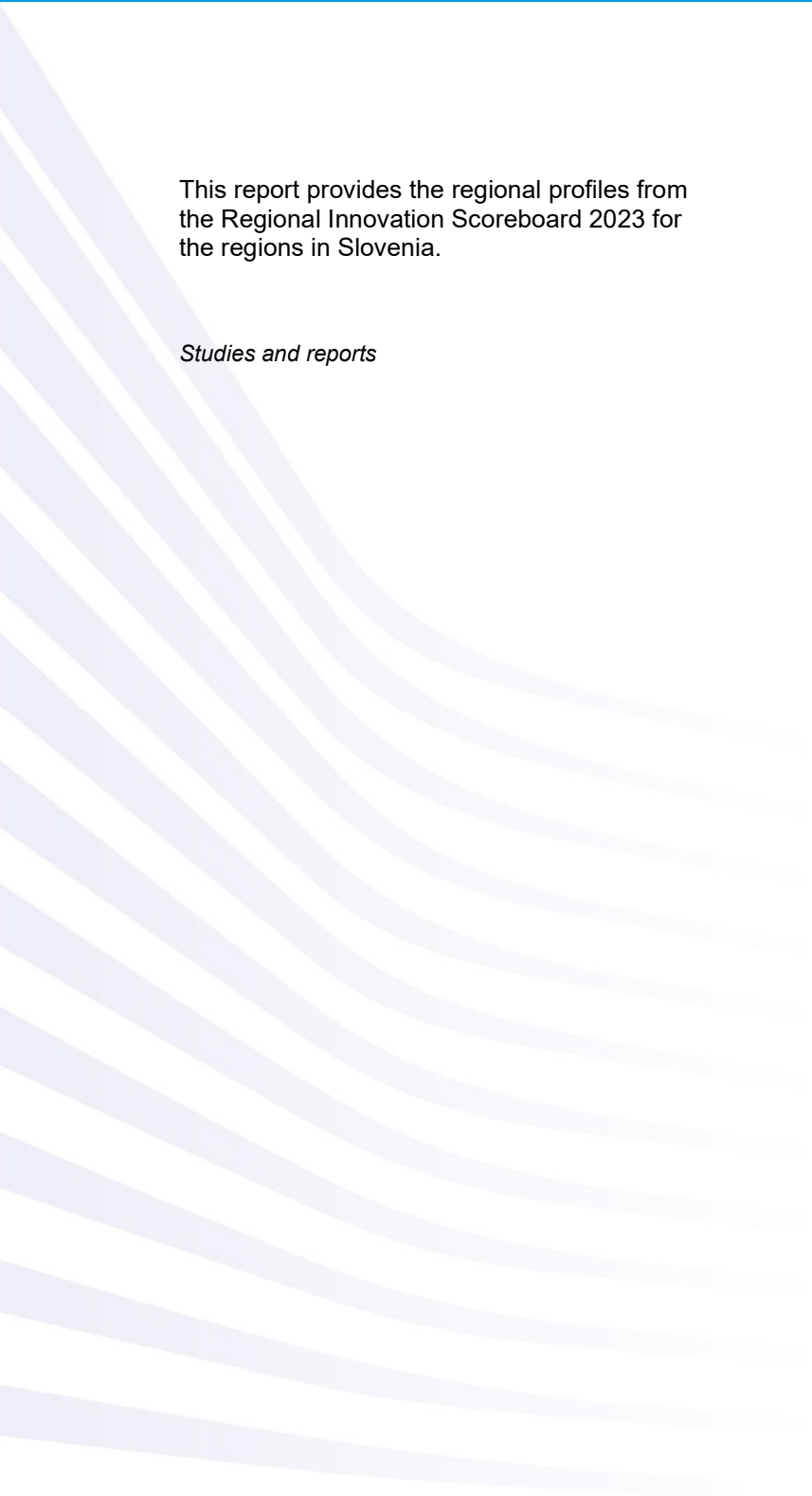
The radar graph shows relative strengths compared to Slovenia (orange line) and the EU (blue line), showing relative strengths (e.g. International scientific co-publications) and weaknesses (e.g. Non-R&D innovation expenditures).

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

	SI04	SI	EU
Share of employment in:			
Agriculture & Mining (A-B)	2.5	4.3	4.4
Manufacturing (C)	20.6	24.5	16.4
Utilities & Construction (D-F)	7.3	8.0	8.3
Services (G-N)	63.4	57.1	63.7
Public administration (O-U)	6.3	6.1	7.2
Average number of employed persons per enterprise	n/a	n/a	5.1
GDP per capita (PPS)	34,900	29,200	32,400
GDP per capita growth (PPS)	3.9	3.9	2.5
Population density	128	104	106
Urbanisation	75.0	57.0	75.8
Population size (000s)	1,000	2,110	447,210



— Relative to country  
— Relative to EU



This report provides the regional profiles from the Regional Innovation Scoreboard 2023 for the regions in Slovenia.

*Studies and reports*