

Regional Innovation Scoreboard 2021

Attiki (EL3)

	Data	Normalised score	Relative to	
			EL	EU
Tertiary education	50.1	0.828	128	144
Lifelong learning	5.4	0.201	138	50
International scientific co-publications	1,555	0.639	123	114
Most-cited scientific publications	8.7	0.471	92	87
Above average digital skills	24.5	0.379	110	72
R&D expenditures public sector	0.60	0.401	98	83
R&D expenditures business sector	0.92	0.330	159	63
Non-R&D innovation expenditures	±	0.419	±	±
Innovation expenditures per person employed	±	0.615	±	±
Employed ICT specialists	4.1	0.529	220	106
Product innovators	±	0.931	±	±
Business process innovators	±	0.976	±	±
Innovative SMEs collaborating	±	0.896	±	±
Public-private co-publications	265.3	0.579	132	117
PCT patent applications	0.87	0.313	121	50
Trademark applications	4.98	0.366	116	80
Design applications	0.89	0.272	109	47
Employment knowledge-intensive activities	17.5	0.696	194	117
Employment innovative enterprises	±	0.767	±	±
Sales of innovative products	±	0.919	±	±
Air emissions by fine particulates	18.5	0.261	99	53
Average score	--	0.561	--	--
Country EIS-RIS correction factor	--	0.832	--	--
Regional Innovation Index 2021	--	0.467	--	--
RII 2021 (same year)	--	--	114.0	86.9
RII 2021 (cf. to EU 2014)	--	--	--	99.7
Regional Innovation Index 2014	--	0.339	--	--
RII 2014 (same year)	--	--	117.4	72.5
RII - change between 2014 and 2021	--	27.3	--	--

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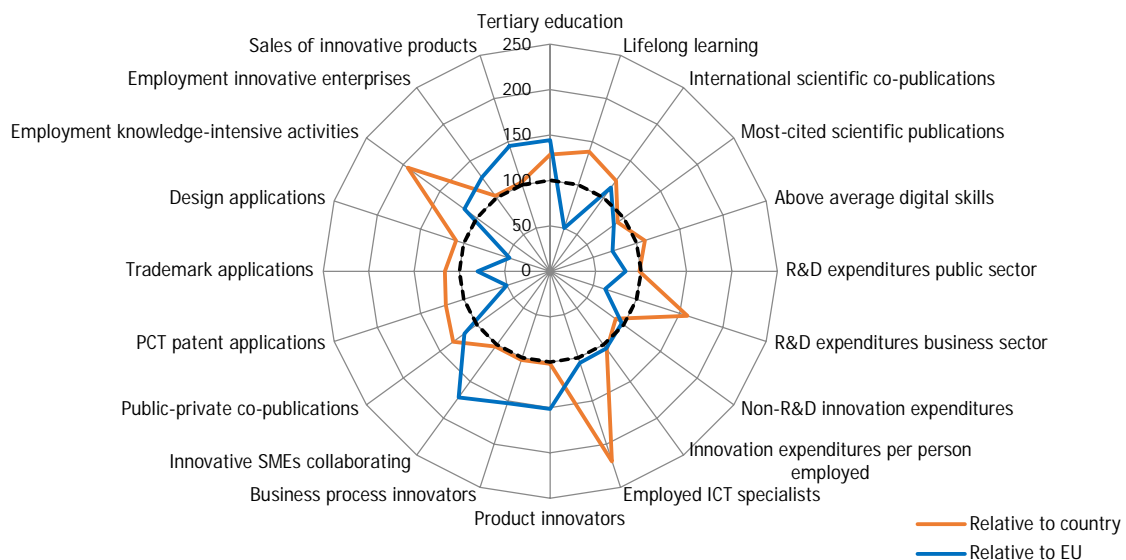
Attiki (EL3) is a Moderate Innovator. Innovation performance has increased over time (27.3%).

The table on the left shows the normalised scores per indicator and relative results compared to Greece and the EU. The table also shows the Regional Innovation Index (RII) in 2021 compared to that of Greece and the EU in 2021, the RII in 2021 compared to that of the EU in 2014, and performance change over time between 2014 and 2021.

The radar graph shows relative strengths compared to Greece (orange line) and the EU (blue line), showing relative strengths (e.g. Innovative SMEs collaborating) and weaknesses (e.g. Design applications).

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

	EL3	EL	EU
Share of employment in:			
Agriculture & Mining (A-B)	1.0	11.8	4.6
Manufacturing (C)	10.1	9.5	16.4
Utilities & Construction (D-F)	5.1	5.4	8.2
Services (G-N)	74.6	64.4	62.9
Public administration (O-U)	9.3	9.0	7.1
Average number of employed persons per enterprise	n/a	3.5	5.2
GDP per capita (PPS)	28,400	20,700	31,200
GDP per capita growth (PPS)	2.33	1.90	3.21
Population density	988	82	109
Urbanisation	96.9	73.0	75.3
Population size (000s)	3,740	10,720	446,450



Regional Innovation Scoreboard 2021

Voreio Aigaio (EL41)

	Data	Normalised score	Relative to	
			EL	EU
Tertiary education	38.8	0.559	87	98
Lifelong learning	2.8	0.104	72	26
International scientific co-publications	1,028	0.520	100	93
Most-cited scientific publications	9.9	0.546	106	100
Above average digital skills	20.1	0.279	81	53
R&D expenditures public sector	0.61	0.408	100	84
R&D expenditures business sector	0.04	0.014	7	3
Non-R&D innovation expenditures	±	0.359	±	±
Innovation expenditures per person employed	±	0.422	±	±
Employed ICT specialists	0.7	0.038	16	8
Product innovators	±	0.830	±	±
Business process innovators	±	0.889	±	±
Innovative SMEs collaborating	±	1.000	±	±
Public-private co-publications	108.9	0.371	85	75
PCT patent applications	0.07	0.090	35	15
Trademark applications	2.33	0.170	54	37
Design applications	0.00	0.000	0	0
Employment knowledge-intensive activities	7.6	0.198	55	33
Employment innovative enterprises	±	0.834	±	±
Sales of innovative products	±	0.650	±	±
Air emissions by fine particulates	17.3	0.320	121	65
Average score	--	0.410	--	--
Country EIS-RIS correction factor	--	0.832	--	--
Regional Innovation Index 2021	--	0.341	--	--
RII 2021 (same year)	--	--	83.2	63.4
RII 2021 (cf. to EU 2014)	--	--	--	72.8
Regional Innovation Index 2014	--	0.218	--	--
RII 2014 (same year)	--	--	75.5	46.6
RII - change between 2014 and 2021	--	26.2	--	--

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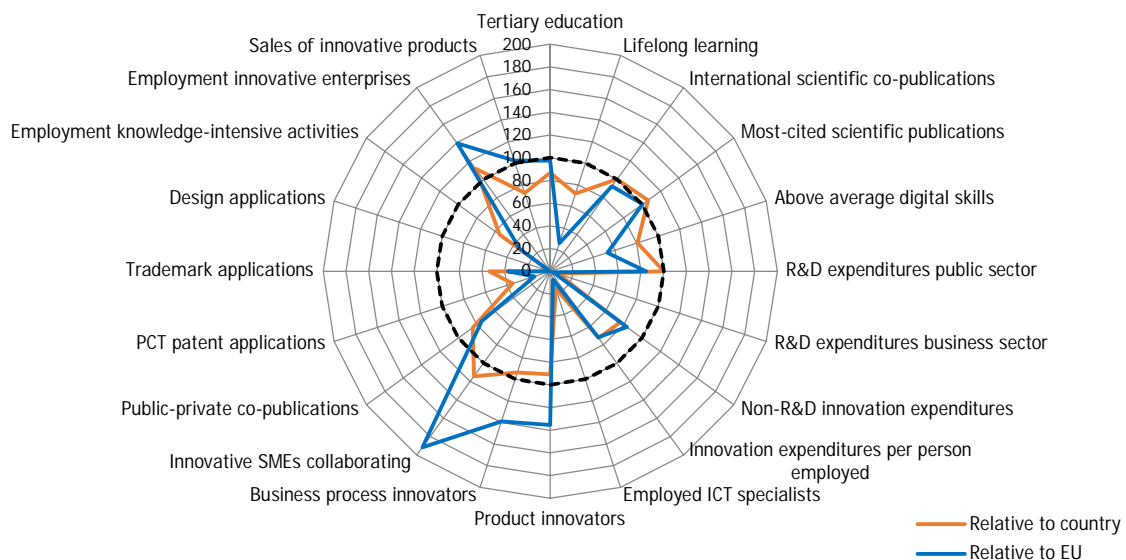
Voreio Aigaio (EL41) is an Emerging Innovator +. Innovation performance has increased over time (26.2%).

The table on the left shows the normalised scores per indicator and relative results compared to Greece and the EU. The table also shows the Regional Innovation Index (RII) in 2021 compared to that of Greece and the EU in 2021, the RII in 2021 compared to that of the EU in 2014, and performance change over time between 2014 and 2021.

The radar graph shows relative strengths compared to Greece (orange line) and the EU (blue line), showing relative strengths (e.g. Innovative SMEs collaborating) and weaknesses (e.g. Design applications).

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

	EL41	EL	EU
Share of employment in:			
Agriculture & Mining (A-B)	15.8	11.8	4.6
Manufacturing (C)	4.2	9.5	16.4
Utilities & Construction (D-F)	5.2	5.4	8.2
Services (G-N)	58.0	64.4	62.9
Public administration (O-U)	16.7	9.0	7.1
Average number of employed persons per enterprise	n/a	3.5	5.2
GDP per capita (PPS)	13,600	20,700	31,200
GDP per capita growth (PPS)	-2.26	1.90	3.21
Population density	59	82	109
Urbanisation	46.2	73.0	75.3
Population size (000s)	230	10,720	446,450



Notio Aigaio (EL42)

	Data	Normalised score	Relative to	
			EL	EU
Tertiary education	29.7	0.343	53	60
Lifelong learning	2.7	0.101	69	25
International scientific co-publications	75	0.140	27	25
Most-cited scientific publications	13.1	0.746	145	137
Above average digital skills	20.1	0.279	81	53
R&D expenditures public sector	0.17	0.104	25	21
R&D expenditures business sector	0.01	0.004	2	1
Non-R&D innovation expenditures	±	0.534	±	±
Innovation expenditures per person employed	±	0.419	±	±
Employed ICT specialists	0.8	0.059	24	12
Product innovators	±	0.716	±	±
Business process innovators	±	0.734	±	±
Innovative SMEs collaborating	±	0.228	±	±
Public-private co-publications	11.5	0.121	27	24
PCT patent applications	0.13	0.122	47	20
Trademark applications	1.32	0.095	30	21
Design applications	0.20	0.129	52	23
Employment knowledge-intensive activities	7.2	0.178	50	30
Employment innovative enterprises	±	0.394	±	±
Sales of innovative products	±	0.550	±	±
Air emissions by fine particulates	14.1	0.472	179	96
Average score	--	0.308	--	--
Country EIS-RIS correction factor	--	0.832	--	--
Regional Innovation Index 2021	--	0.256	--	--
RII 2021 (same year)	--	--	62.5	47.6
RII 2021 (cf. to EU 2014)	--	--	--	54.7
Regional Innovation Index 2014	--	0.183	--	--
RII 2014 (same year)	--	--	63.4	39.1
RII - change between 2014 and 2021	--	15.6	--	--

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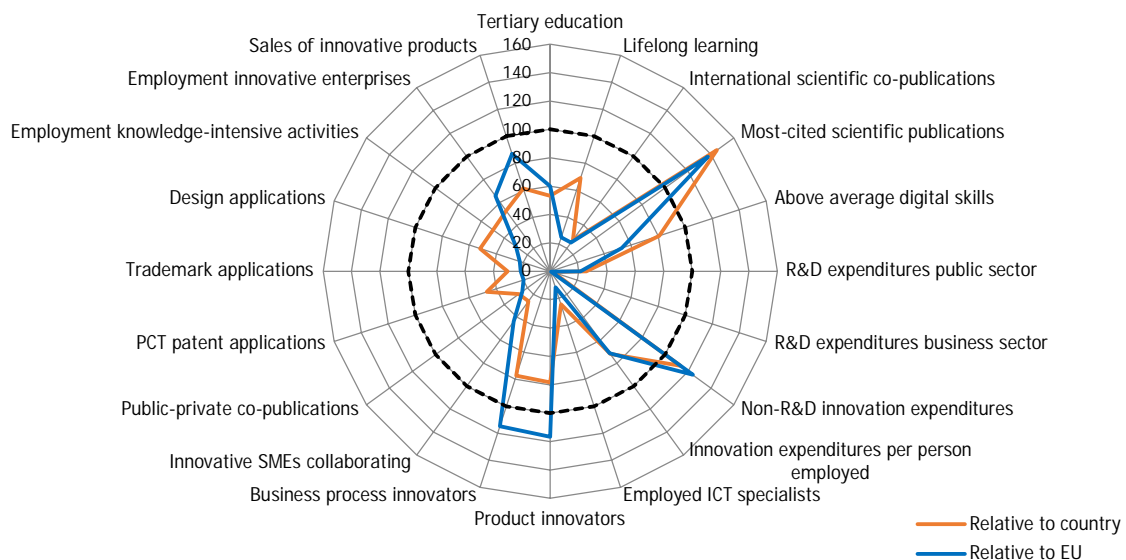
Notio Aigaio (EL42) is an Emerging Innovator. Innovation performance has increased over time (15.6%).

The table on the left shows the normalised scores per indicator and relative results compared to Greece and the EU. The table also shows the Regional Innovation Index (RII) in 2021 compared to that of Greece and the EU in 2021, the RII in 2021 compared to that of the EU in 2014, and performance change over time between 2014 and 2021.

The radar graph shows relative strengths compared to Greece (orange line) and the EU (blue line), showing relative strengths (e.g. Most-cited scientific publications) and weaknesses (e.g. R&D expenditures business sector).

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

	EL42	EL	EU
Share of employment in:			
Agriculture & Mining (A-B)	5.4	11.8	4.6
Manufacturing (C)	3.7	9.5	16.4
Utilities & Construction (D-F)	8.7	5.4	8.2
Services (G-N)	73.9	64.4	62.9
Public administration (O-U)	8.2	9.0	7.1
Average number of employed persons per enterprise	n/a	3.5	5.2
GDP per capita (PPS)	22,400	20,700	31,200
GDP per capita growth (PPS)	1.15	1.90	3.21
Population density	66	82	109
Urbanisation	51.9	73.0	75.3
Population size (000s)	350	10,720	446,450



Regional Innovation Scoreboard 2021

Kriti (EL43)

	Data	Normalised score	Relative to	
			EL	EU
Tertiary education	32.4	0.408	63	71
Lifelong learning	3.5	0.130	90	32
International scientific co-publications	2,162	0.753	145	134
Most-cited scientific publications	10.0	0.551	107	101
Above average digital skills	20.1	0.279	81	53
R&D expenditures public sector	1.26	0.857	210	177
R&D expenditures business sector	0.15	0.054	26	10
Non-R&D innovation expenditures	±	0.753	±	±
Innovation expenditures per person employed	±	0.647	±	±
Employed ICT specialists	0.9	0.062	26	12
Product innovators	±	0.865	±	±
Business process innovators	±	0.970	±	±
Innovative SMEs collaborating	±	1.000	±	±
Public-private co-publications	329.9	0.645	147	130
PCT patent applications	0.56	0.251	97	41
Trademark applications	5.12	0.376	119	82
Design applications	0.95	0.280	112	49
Employment knowledge-intensive activities	5.5	0.093	26	16
Employment innovative enterprises	±	0.746	±	±
Sales of innovative products	±	0.967	±	±
Air emissions by fine particulates	14.5	0.452	171	92
Average score	--	0.530	--	--
Country EIS-RIS correction factor	--	0.832	--	--
Regional Innovation Index 2021	--	0.441	--	--
RII 2021 (same year)	--	--	107.7	82.1
RII 2021 (cf. to EU 2014)	--	--	--	94.3
Regional Innovation Index 2014	--	0.325	--	--
RII 2014 (same year)	--	--	112.5	69.4
RII - change between 2014 and 2021	--	24.8	--	--

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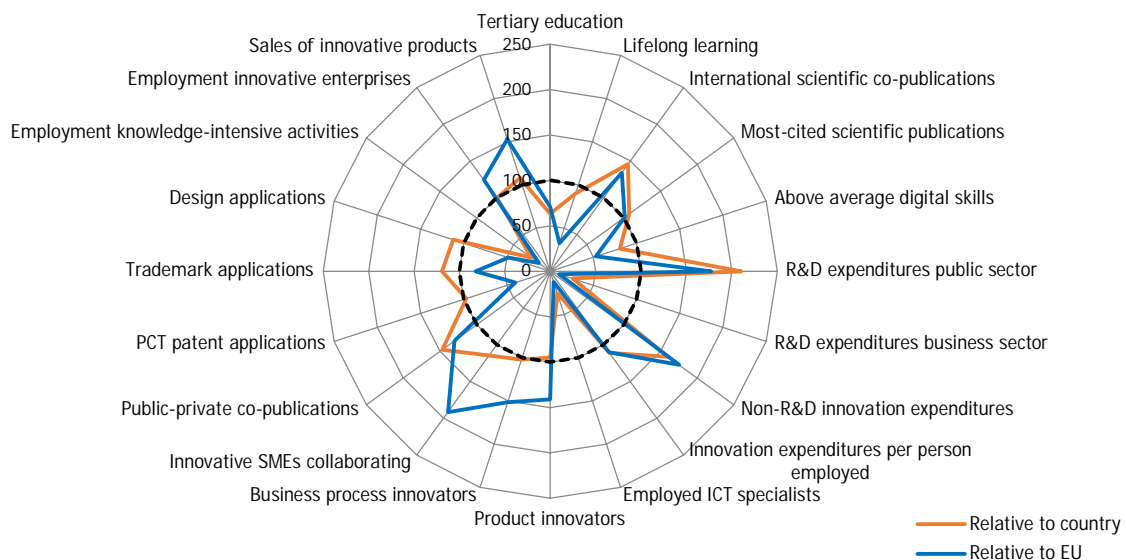
Kriti (EL43) is a Moderate Innovator. Innovation performance has increased over time (24.8%).

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The radar graph shows relative strengths compared to Greece (orange line) and the EU (blue line), showing relative strengths (e.g. Innovative SMEs collaborating) and weaknesses (e.g. R&D expenditures business sector).

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

	EL43	EL	EU
Share of employment in:			
Agriculture & Mining (A-B)	17.5	11.8	4.6
Manufacturing (C)	6.1	9.5	16.4
Utilities & Construction (D-F)	6.4	5.4	8.2
Services (G-N)	62.5	64.4	62.9
Public administration (O-U)	7.5	9.0	7.1
Average number of employed persons per enterprise	n/a	3.5	5.2
GDP per capita (PPS)	17,700	20,700	31,200
GDP per capita growth (PPS)	1.77	1.90	3.21
Population density	77	82	109
Urbanisation	56.4	73.0	75.3
Population size (000s)	640	10,720	446,450



Anatoliki Makedonia, Thraki (EL51)

	Data	Normalised score	Relative to	
			EL	EU
Tertiary education	33.3	0.429	67	75
Lifelong learning	4.1	0.153	105	38
International scientific co-publications	727	0.437	84	78
Most-cited scientific publications	8.6	0.463	90	85
Above average digital skills	23.0	0.345	100	66
R&D expenditures public sector	0.53	0.352	86	73
R&D expenditures business sector	0.19	0.068	33	13
Non-R&D innovation expenditures	±	0.404	±	±
Innovation expenditures per person employed	±	0.362	±	±
Employed ICT specialists	0.5	0.011	5	2
Product innovators	±	0.750	±	±
Business process innovators	±	0.846	±	±
Innovative SMEs collaborating	±	0.574	±	±
Public-private co-publications	90.2	0.337	77	68
PCT patent applications	0.16	0.135	52	22
Trademark applications	1.32	0.095	30	21
Design applications	0.48	0.199	80	35
Employment knowledge-intensive activities	6.4	0.138	38	23
Employment innovative enterprises	±	0.641	±	±
Sales of innovative products	±	0.809	±	±
Air emissions by fine particulates	21.8	0.100	38	20
Average score	--	0.364	--	--
Country EIS-RIS correction factor	--	0.832	--	--
Regional Innovation Index 2021	--	0.303	--	--
RII 2021 (same year)	--	--	74.0	56.4
RII 2021 (cf. to EU 2014)	--	--	--	64.7
Regional Innovation Index 2014	--	0.196	--	--
RII 2014 (same year)	--	--	67.9	41.9
RII - change between 2014 and 2021	--	22.8	--	--

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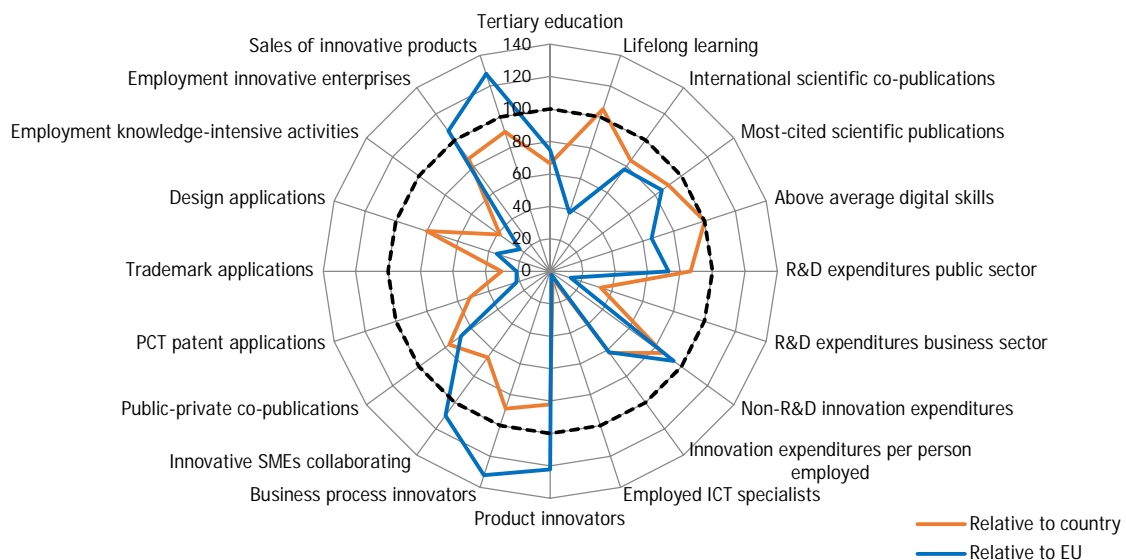
Anatoliki Makedonia, Thraki (EL51) is an Emerging Innovator +. Innovation performance has increased over time (22.8%).

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The radar graph shows relative strengths compared to Greece (orange line) and the EU (blue line), showing relative strengths (e.g. Business process innovators) and weaknesses (e.g. Employed ICT specialists).

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

	EL51	EL	EU
Share of employment in:			
Agriculture & Mining (A-B)	23.4	11.8	4.6
Manufacturing (C)	9.9	9.5	16.4
Utilities & Construction (D-F)	3.3	5.4	8.2
Services (G-N)	50.1	64.4	62.9
Public administration (O-U)	13.3	9.0	7.1
Average number of employed persons per enterprise	n/a	3.5	5.2
GDP per capita (PPS)	14,100	20,700	31,200
GDP per capita growth (PPS)	1.66	1.90	3.21
Population density	43	82	109
Urbanisation	59.1	73.0	75.3
Population size (000s)	600	10,720	446,450



Regional Innovation Scoreboard 2021

Kentriki Makedonia (EL52)

	Data	Normalised score	Relative to	
			EL	EU
Tertiary education	42.4	0.645	100	112
Lifelong learning	3.4	0.127	87	31
International scientific co-publications	1,273	0.578	112	103
Most-cited scientific publications	8.8	0.474	92	87
Above average digital skills	23.0	0.345	100	66
R&D expenditures public sector	0.65	0.435	107	90
R&D expenditures business sector	0.42	0.151	72	29
Non-R&D innovation expenditures	±	0.589	±	±
Innovation expenditures per person employed	±	0.535	±	±
Employed ICT specialists	1.8	0.191	79	38
Product innovators	±	1.000	±	±
Business process innovators	±	1.000	±	±
Innovative SMEs collaborating	±	0.881	±	±
Public-private co-publications	200.8	0.503	115	102
PCT patent applications	0.58	0.256	99	41
Trademark applications	6.95	0.512	162	112
Design applications	1.19	0.314	126	55
Employment knowledge-intensive activities	9.7	0.304	85	51
Employment innovative enterprises	±	0.775	±	±
Sales of innovative products	±	0.948	±	±
Air emissions by fine particulates	28.6	0.000	0	0
Average score	--	0.503	--	--
Country EIS-RIS correction factor	--	0.832	--	--
Regional Innovation Index 2021	--	0.418	--	--
RII 2021 (same year)	--	--	102.2	77.8
RII 2021 (cf. to EU 2014)	--	--	--	89.4
Regional Innovation Index 2014	--	0.278	--	--
RII 2014 (same year)	--	--	96.2	59.4
RII - change between 2014 and 2021	--	30.0	--	--

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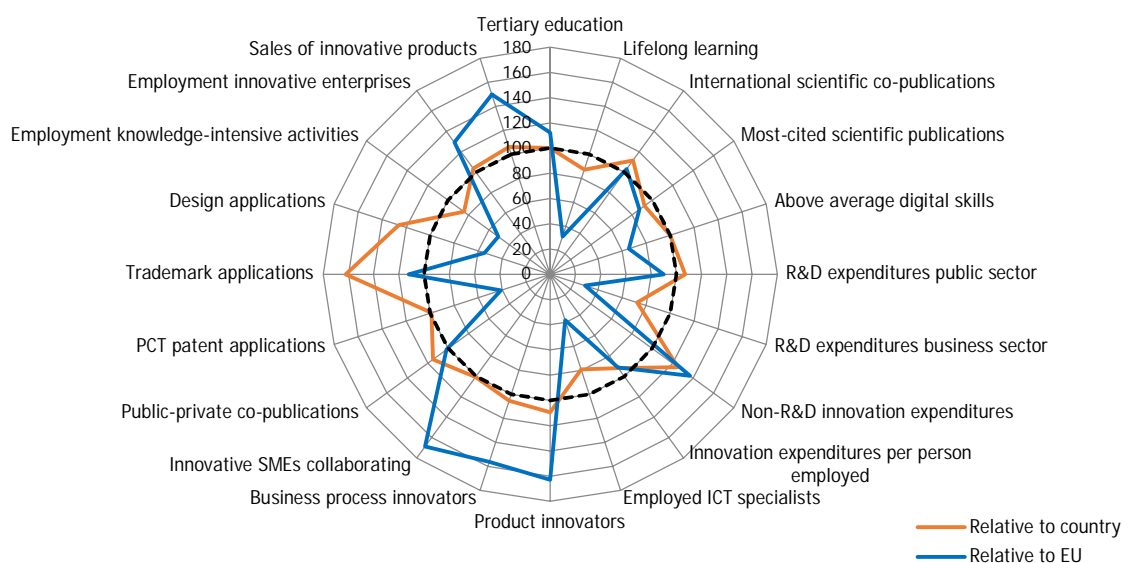
Kentriki Makedonia (EL52) is a Moderate Innovator -. Innovation performance has increased over time (30%).

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The radar graph shows relative strengths compared to Greece (orange line) and the EU (blue line), showing relative strengths (e.g. Innovative SMEs collaborating) and weaknesses (e.g. R&D expenditures business sector).

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

	EL52	EL	EU
Share of employment in:			
Agriculture & Mining (A-B)	13.4	11.8	4.6
Manufacturing (C)	12.5	9.5	16.4
Utilities & Construction (D-F)	4.2	5.4	8.2
Services (G-N)	62.6	64.4	62.9
Public administration (O-U)	7.2	9.0	7.1
Average number of employed persons per enterprise	n/a	3.5	5.2
GDP per capita (PPS)	16,300	20,700	31,200
GDP per capita growth (PPS)	2.27	1.90	3.21
Population density	101	82	109
Urbanisation	74.0	73.0	75.3
Population size (000s)	1,870	10,720	446,450



Dytiki Makedonia (EL53)

	Data	Normalised score	Relative to	
			EL	EU
Tertiary education	42.5	0.647	100	113
Lifelong learning	4.1	0.153	105	38
International scientific co-publications	423	0.333	64	59
Most-cited scientific publications	5.7	0.282	55	52
Above average digital skills	23.0	0.345	100	66
R&D expenditures public sector	0.35	0.228	56	47
R&D expenditures business sector	0.12	0.043	21	8
Non-R&D innovation expenditures	±	0.515	±	±
Innovation expenditures per person employed	±	0.302	±	±
Employed ICT specialists	1.3	0.127	53	25
Product innovators	±	0.569	±	±
Business process innovators	±	0.619	±	±
Innovative SMEs collaborating	±	0.544	±	±
Public-private co-publications	102.0	0.359	82	72
PCT patent applications	0.21	0.154	60	25
Trademark applications	2.98	0.217	69	48
Design applications	0.00	0.000	0	0
Employment knowledge-intensive activities	3.2	0.000	0	0
Employment innovative enterprises	±	0.470	±	±
Sales of innovative products	±	0.596	±	±
Air emissions by fine particulates	19.5	0.211	80	43
Average score	--	0.320	--	--
Country EIS-RIS correction factor	--	0.832	--	--
Regional Innovation Index 2021	--	0.266	--	--
RII 2021 (same year)	--	--	64.9	49.5
RII 2021 (cf. to EU 2014)	--	--	--	56.8
Regional Innovation Index 2014	--	0.209	--	--
RII 2014 (same year)	--	--	72.3	44.7
RII - change between 2014 and 2021	--	12.2	--	--

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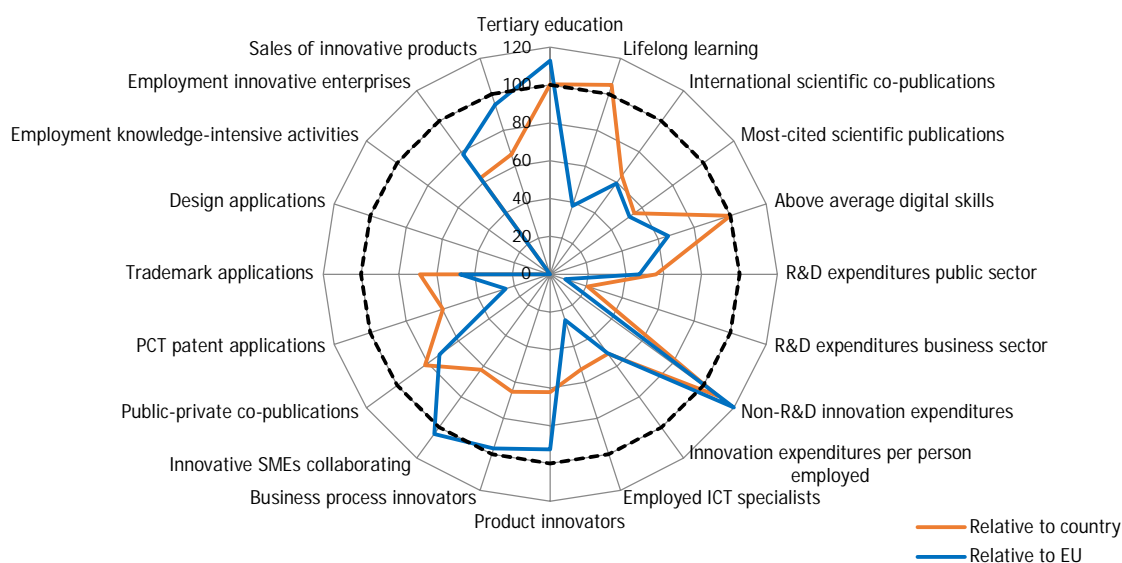
Dytiki Makedonia (EL53) is an Emerging Innovator. Innovation performance has increased over time (12.2%).

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The radar graph shows relative strengths compared to Greece (orange line) and the EU (blue line), showing relative strengths (e.g. Non-R&D innovation expenditures) and weaknesses (e.g. Design applications).

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

	EL53	EL	EU
Share of employment in:			
Agriculture & Mining (A-B)	24.2	11.8	4.6
Manufacturing (C)	8.0	9.5	16.4
Utilities & Construction (D-F)	10.4	5.4	8.2
Services (G-N)	44.7	64.4	62.9
Public administration (O-U)	12.8	9.0	7.1
Average number of employed persons per enterprise	n/a	3.5	5.2
GDP per capita (PPS)	17,200	20,700	31,200
GDP per capita growth (PPS)	-3.94	1.90	3.21
Population density	29	82	109
Urbanisation	53.7	73.0	75.3
Population size (000s)	260	10,720	446,450



Regional Innovation Scoreboard 2021

Ipeiros (EL54)

	Data	Normalised score	Relative to	
			EL	EU
Tertiary education	45.3	0.714	111	124
Lifelong learning	1.4	0.052	36	13
International scientific co-publications	2,307	0.778	150	139
Most-cited scientific publications	9.1	0.497	97	92
Above average digital skills	22.1	0.325	94	62
R&D expenditures public sector	1.05	0.712	175	147
R&D expenditures business sector	0.23	0.083	40	16
Non-R&D innovation expenditures	±	0.440	±	±
Innovation expenditures per person employed	±	0.424	±	±
Employed ICT specialists	1.3	0.127	53	25
Product innovators	±	0.750	±	±
Business process innovators	±	0.911	±	±
Innovative SMEs collaborating	±	0.725	±	±
Public-private co-publications	225.0	0.533	121	108
PCT patent applications	0.35	0.199	77	32
Trademark applications	2.08	0.151	48	33
Design applications	0.11	0.094	38	16
Employment knowledge-intensive activities	6.0	0.118	33	20
Employment innovative enterprises	±	0.741	±	±
Sales of innovative products	±	0.719	±	±
Air emissions by fine particulates	12.6	0.543	205	111
Average score	--	0.459	--	--
Country EIS-RIS correction factor	--	0.832	--	--
Regional Innovation Index 2021	--	0.382	--	--
RII 2021 (same year)	--	--	93.2	71.0
RII 2021 (cf. to EU 2014)	--	--	--	81.6
Regional Innovation Index 2014	--	0.213	--	--
RII 2014 (same year)	--	--	73.8	45.6
RII - change between 2014 and 2021	--	36.0	--	--

± Relative-to-EU scores are not shown as these would allow recalculating confidential regional CIS data.

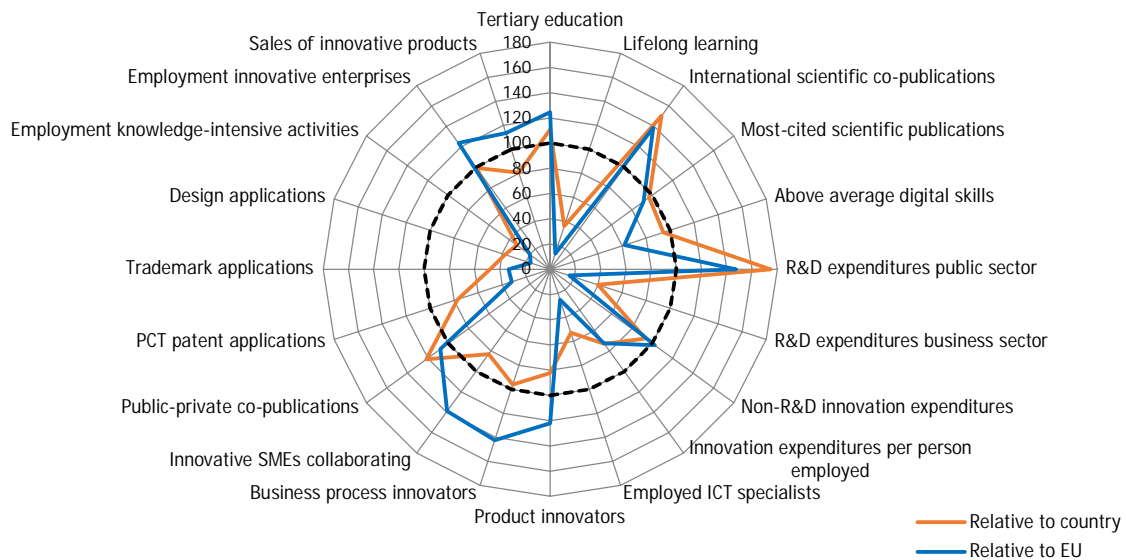
Ipeiros (EL54) is a Moderate Innovator -. Innovation performance has increased over time (36%).

The table on the left shows the normalised scores per indicator and relative results compared to Greece and the EU. The table also shows the Regional Innovation Index (RII) in 2021 compared to that of Greece and the EU in 2021, the RII in 2021 compared to that of the EU in 2014, and performance change over time between 2014 and 2021.

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

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

	EL54	EL	EU
Share of employment in:			
Agriculture & Mining (A-B)	14.2	11.8	4.6
Manufacturing (C)	6.1	9.5	16.4
Utilities & Construction (D-F)	6.2	5.4	8.2
Services (G-N)	64.3	64.4	62.9
Public administration (O-U)	9.3	9.0	7.1
Average number of employed persons per enterprise	n/a	3.5	5.2
GDP per capita (PPS)	14,600	20,700	31,200
GDP per capita growth (PPS)	1.60	1.90	3.21
Population density	37	82	109
Urbanisation	47.2	73.0	75.3
Population size (000s)	330	10,720	446,450



Thessalia (EL61)

	Data	Normalised score	Relative to	
			EL	EU
Tertiary education	44.7	0.699	108	122
Lifelong learning	2.5	0.093	64	23
International scientific co-publications	1,105	0.539	104	96
Most-cited scientific publications	10.0	0.553	108	102
Above average digital skills	23.0	0.345	100	66
R&D expenditures public sector	0.59	0.394	97	81
R&D expenditures business sector	0.18	0.065	31	12
Non-R&D innovation expenditures	±	0.475	±	±
Innovation expenditures per person employed	±	0.618	±	±
Employed ICT specialists	0.5	0.011	4	2
Product innovators	±	0.957	±	±
Business process innovators	±	0.919	±	±
Innovative SMEs collaborating	±	1.000	±	±
Public-private co-publications	144.0	0.426	97	86
PCT patent applications	0.18	0.141	55	23
Trademark applications	3.10	0.227	72	50
Design applications	0.90	0.273	110	48
Employment knowledge-intensive activities	6.3	0.133	37	22
Employment innovative enterprises	±	0.838	±	±
Sales of innovative products	±	0.916	±	±
Air emissions by fine particulates	14.1	0.473	179	96
Average score	--	0.481	--	--
Country EIS-RIS correction factor	--	0.832	--	--
Regional Innovation Index 2021	--	0.400	--	--
RII 2021 (same year)	--	--	97.6	74.4
RII 2021 (cf. to EU 2014)	--	--	--	85.4
Regional Innovation Index 2014	--	0.255	--	--
RII 2014 (same year)	--	--	88.4	54.6
RII - change between 2014 and 2021	--	30.8	--	--

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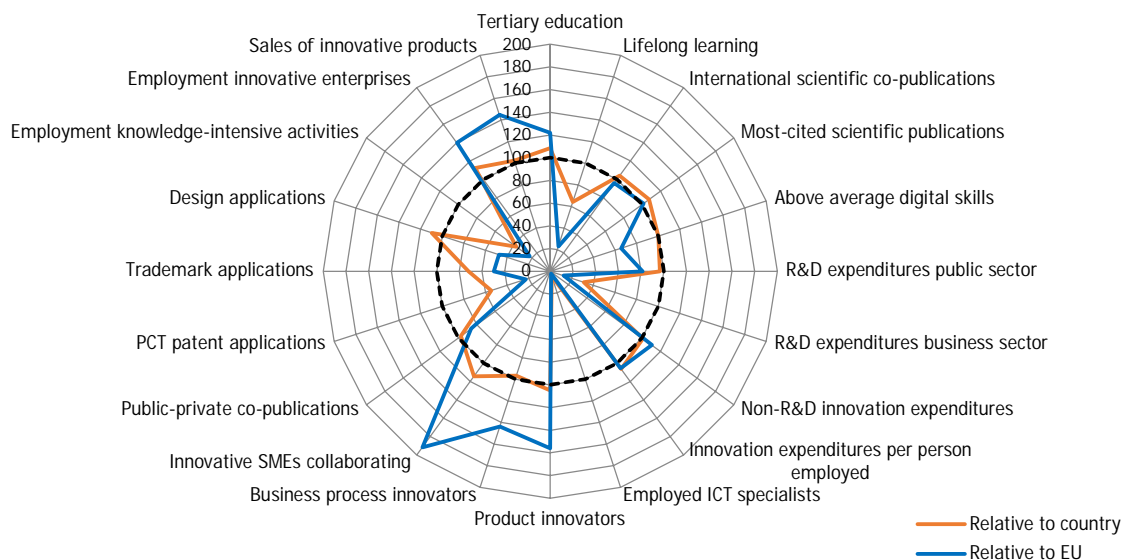
Thessalia (EL61) is a Moderate Innovator -. Innovation performance has increased over time (30.8%).

The table on the left shows the normalised scores per indicator and relative results compared to Greece and the EU. The table also shows the Regional Innovation Index (RII) in 2021 compared to that of Greece and the EU in 2021, the RII in 2021 compared to that of the EU in 2014, and performance change over time between 2014 and 2021.

The radar graph shows relative strengths compared to Greece (orange line) and the EU (blue line), showing relative strengths (e.g. Innovative SMEs collaborating) and weaknesses (e.g. Employed ICT specialists).

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

	EL61	EL	EU
Share of employment in:			
Agriculture & Mining (A-B)	20.0	11.8	4.6
Manufacturing (C)	8.8	9.5	16.4
Utilities & Construction (D-F)	5.4	5.4	8.2
Services (G-N)	57.2	64.4	62.9
Public administration (O-U)	8.6	9.0	7.1
Average number of employed persons per enterprise	n/a	3.5	5.2
GDP per capita (PPS)	15,800	20,700	31,200
GDP per capita growth (PPS)	2.17	1.90	3.21
Population density	51	82	109
Urbanisation	70.2	73.0	75.3
Population size (000s)	720	10,720	446,450



Ionia Nisia (EL62)

	Data	Normalised score	Relative to	
			EL	EU
Tertiary education	38.0	0.540	84	94
Lifelong learning	4.9	0.182	126	45
International scientific co-publications	266	0.264	51	47
Most-cited scientific publications	7.7	0.409	80	75
Above average digital skills	22.1	0.325	94	62
R&D expenditures public sector	0.25	0.159	39	33
R&D expenditures business sector	0.08	0.029	14	6
Non-R&D innovation expenditures	±	0.935	±	±
Innovation expenditures per person employed	±	0.893	±	±
Employed ICT specialists	0.6	0.023	9	5
Product innovators	±	0.458	±	±
Business process innovators	±	0.517	±	±
Innovative SMEs collaborating	±	0.871	±	±
Public-private co-publications	29.5	0.193	44	39
PCT patent applications	0.15	0.128	50	21
Trademark applications	1.64	0.119	38	26
Design applications	0.00	0.000	0	0
Employment knowledge-intensive activities	5.4	0.088	24	15
Employment innovative enterprises	±	0.463	±	±
Sales of innovative products	±	1.000	±	±
Air emissions by fine particulates	12.1	0.570	216	116
Average score	--	0.389	--	--
Country EIS-RIS correction factor	--	0.832	--	--
Regional Innovation Index 2021	--	0.323	--	--
RII 2021 (same year)	--	--	79.0	60.2
RII 2021 (cf. to EU 2014)	--	--	--	69.1
Regional Innovation Index 2014	--	0.157	--	--
RII 2014 (same year)	--	--	54.3	33.5
RII - change between 2014 and 2021	--	35.6	--	--

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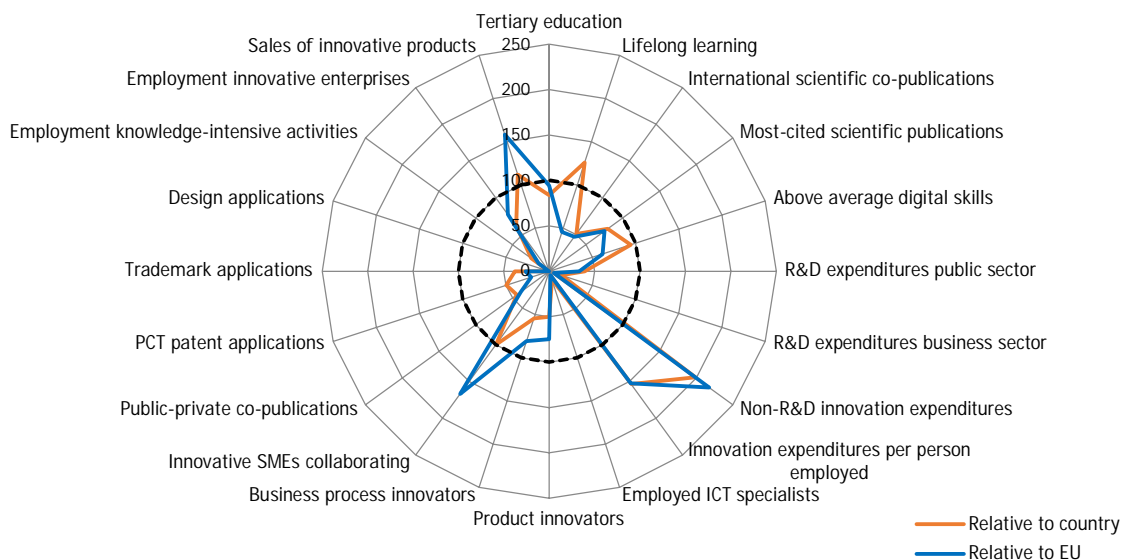
Ionia Nisia (EL62) is an Emerging Innovator +. Innovation performance has increased over time (35.6%).

The table on the left shows the normalised scores per indicator and relative results compared to Greece and the EU. The table also shows the Regional Innovation Index (RII) in 2021 compared to that of Greece and the EU in 2021, the RII in 2021 compared to that of the EU in 2014, and performance change over time between 2014 and 2021.

The radar graph shows relative strengths compared to Greece (orange line) and the EU (blue line), showing relative strengths (e.g. Non-R&D innovation expenditures) and weaknesses (e.g. Design applications).

The table below shows data highlighting possible structural differences, e.g. GDP per capita growth (above average) and Employment in Manufacturing (below average).

	EL62	EL	EU
Share of employment in:			
Agriculture & Mining (A-B)	9.6	11.8	4.6
Manufacturing (C)	3.2	9.5	16.4
Utilities & Construction (D-F)	6.7	5.4	8.2
Services (G-N)	74.5	64.4	62.9
Public administration (O-U)	6.0	9.0	7.1
Average number of employed persons per enterprise	n/a	3.5	5.2
GDP per capita (PPS)	19,700	20,700	31,200
GDP per capita growth (PPS)	2.86	1.90	3.21
Population density	89	82	109
Urbanisation	34.2	73.0	75.3
Population size (000s)	200	10,720	446,450



Dytiki Ellada (EL63)

	Data	Normalised score	Relative to	
			EL	EU
Tertiary education	32.0	0.398	62	69
Lifelong learning	5.2	0.194	133	48
International scientific co-publications	1,553	0.639	123	114
Most-cited scientific publications	9.0	0.489	95	90
Above average digital skills	22.1	0.325	94	62
R&D expenditures public sector	1.00	0.677	166	140
R&D expenditures business sector	0.26	0.093	45	18
Non-R&D innovation expenditures	±	0.525	±	±
Innovation expenditures per person employed	±	0.559	±	±
Employed ICT specialists	1.2	0.104	43	21
Product innovators	±	0.989	±	±
Business process innovators	±	0.839	±	±
Innovative SMEs collaborating	±	1.000	±	±
Public-private co-publications	231.9	0.541	123	109
PCT patent applications	0.55	0.248	96	40
Trademark applications	1.70	0.123	39	27
Design applications	0.05	0.066	26	11
Employment knowledge-intensive activities	4.9	0.062	17	10
Employment innovative enterprises	±	0.604	±	±
Sales of innovative products	±	0.701	±	±
Air emissions by fine particulates	12.2	0.565	214	115
Average score	--	0.464	--	--
Country EIS-RIS correction factor	--	0.832	--	--
Regional Innovation Index 2021	--	0.386	--	--
RII 2021 (same year)	--	--	94.2	71.8
RII 2021 (cf. to EU 2014)	--	--	--	82.4
Regional Innovation Index 2014	--	0.274	--	--
RII 2014 (same year)	--	--	94.9	58.6
RII - change between 2014 and 2021	--	23.9	--	--

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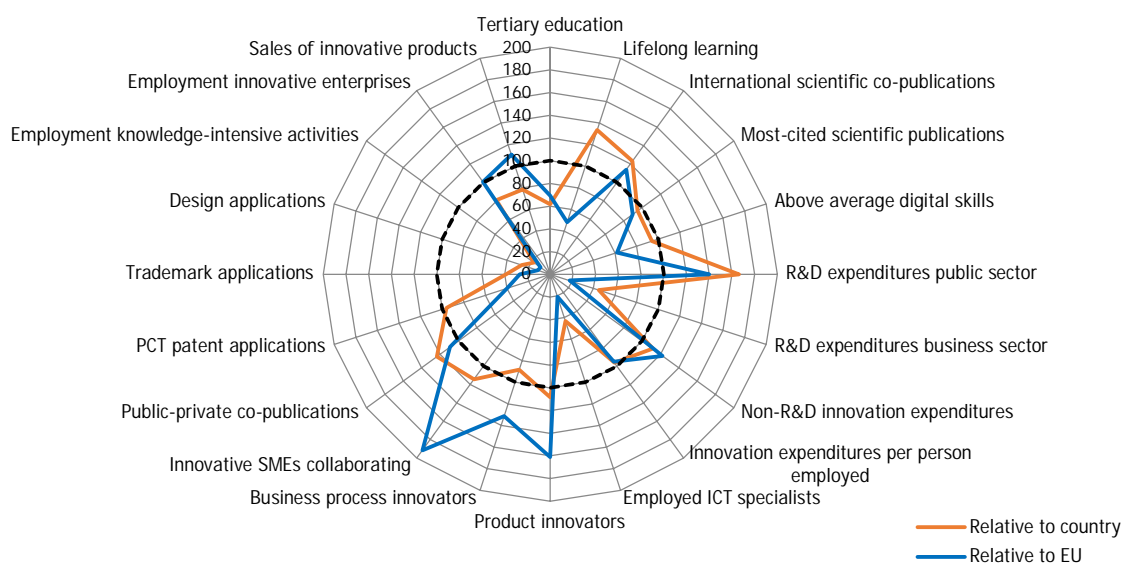
Dytiki Ellada (EL63) is a Moderate Innovator -. Innovation performance has increased over time (23.9%).

The table on the left shows the normalised scores per indicator and relative results compared to Greece and the EU. The table also shows the Regional Innovation Index (RII) in 2021 compared to that of Greece and the EU in 2021, the RII in 2021 compared to that of the EU in 2014, and performance change over time between 2014 and 2021.

The radar graph shows relative strengths compared to Greece (orange line) and the EU (blue line), showing relative strengths (e.g. Innovative SMEs collaborating) and weaknesses (e.g. Employment knowledge-intensive activities).

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

	EL63	EL	EU
Share of employment in:			
Agriculture & Mining (A-B)	26.3	11.8	4.6
Manufacturing (C)	7.1	9.5	16.4
Utilities & Construction (D-F)	6.2	5.4	8.2
Services (G-N)	51.2	64.4	62.9
Public administration (O-U)	9.3	9.0	7.1
Average number of employed persons per enterprise	n/a	3.5	5.2
GDP per capita (PPS)	15,000	20,700	31,200
GDP per capita growth (PPS)	1.56	1.90	3.21
Population density	59	82	109
Urbanisation	58.3	73.0	75.3
Population size (000s)	650	10,720	446,450



Stereia Ellada (EL64)

	Data	Normalised score	Relative to	
			EL	EU
Tertiary education	37.6	0.531	82	93
Lifelong learning	1.3	0.048	33	12
International scientific co-publications	173	0.213	41	38
Most-cited scientific publications	16.0	0.925	180	170
Above average digital skills	22.1	0.325	94	62
R&D expenditures public sector	0.12	0.069	17	14
R&D expenditures business sector	0.36	0.129	62	25
Non-R&D innovation expenditures	±	0.701	±	±
Innovation expenditures per person employed	±	0.613	±	±
Employed ICT specialists	0.6	0.023	9	5
Product innovators	±	0.679	±	±
Business process innovators	±	0.840	±	±
Innovative SMEs collaborating	±	0.478	±	±
Public-private co-publications	59.4	0.274	62	55
PCT patent applications	0.05	0.075	29	12
Trademark applications	1.52	0.109	35	24
Design applications	0.39	0.180	73	31
Employment knowledge-intensive activities	8.2	0.228	64	38
Employment innovative enterprises	±	0.759	±	±
Sales of innovative products	±	0.701	±	±
Air emissions by fine particulates	11.6	0.593	224	121
Average score	--	0.404	--	--
Country EIS-RIS correction factor	--	0.832	--	--
Regional Innovation Index 2021	--	0.336	--	--
RII 2021 (same year)	--	--	82.2	62.6
RII 2021 (cf. to EU 2014)	--	--	--	71.9
Regional Innovation Index 2014	--	0.267	--	--
RII 2014 (same year)	--	--	92.4	57.0
RII - change between 2014 and 2021	--	14.9	--	--

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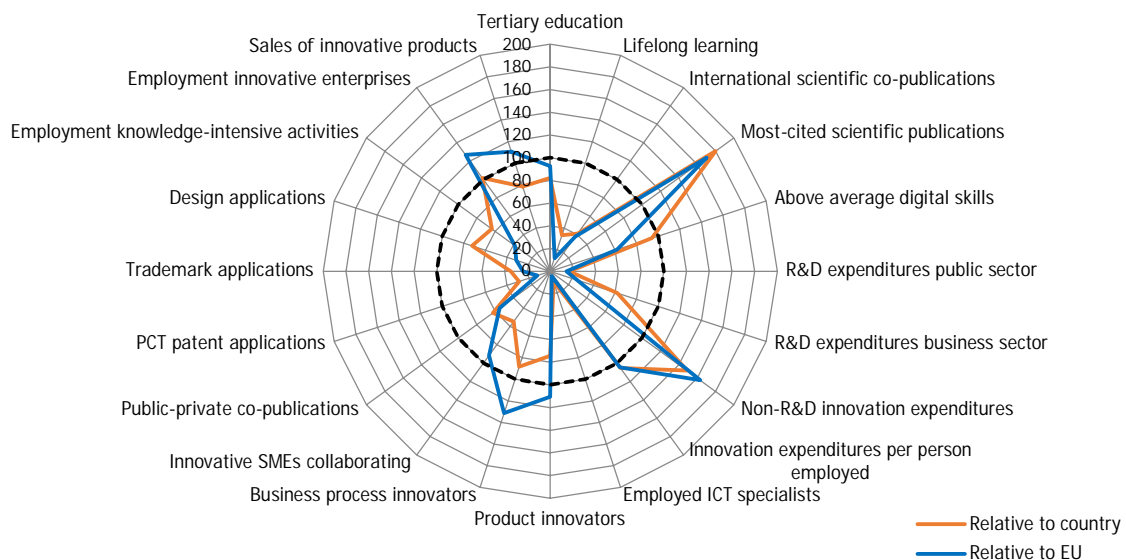
Stereia Ellada (EL64) is an Emerging Innovator +. Innovation performance has increased over time (14.9%).

The table on the left shows the normalised scores per indicator and relative results compared to Greece and the EU. The table also shows the Regional Innovation Index (RII) in 2021 compared to that of Greece and the EU in 2021, the RII in 2021 compared to that of the EU in 2014, and performance change over time between 2014 and 2021.

The radar graph shows relative strengths compared to Greece (orange line) and the EU (blue line), showing relative strengths (e.g. Most-cited scientific publications) and weaknesses (e.g. Employed ICT specialists).

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

	EL64	EL	EU
Share of employment in:			
Agriculture & Mining (A-B)	20.8	11.8	4.6
Manufacturing (C)	17.2	9.5	16.4
Utilities & Construction (D-F)	5.3	5.4	8.2
Services (G-N)	49.7	64.4	62.9
Public administration (O-U)	7.0	9.0	7.1
Average number of employed persons per enterprise	n/a	3.5	5.2
GDP per capita (PPS)	18,600	20,700	31,200
GDP per capita growth (PPS)	2.27	1.90	3.21
Population density	36	82	109
Urbanisation	45.7	73.0	75.3
Population size (000s)	560	10,720	446,450



Regional Innovation Scoreboard 2021

Peloponnisos (EL65)

	Data	Normalised score	Relative to	
			EL	EU
Tertiary education	34.0	0.445	69	78
Lifelong learning	0.7	0.026	18	6
International scientific co-publications	206	0.233	45	41
Most-cited scientific publications	8.7	0.472	92	87
Above average digital skills	22.1	0.325	94	62
R&D expenditures public sector	0.30	0.193	47	40
R&D expenditures business sector	0.29	0.104	50	20
Non-R&D innovation expenditures	±	0.445	±	±
Innovation expenditures per person employed	±	0.432	±	±
Employed ICT specialists	0.6	0.022	9	4
Product innovators	±	0.825	±	±
Business process innovators	±	0.943	±	±
Innovative SMEs collaborating	±	0.743	±	±
Public-private co-publications	35.0	0.210	48	42
PCT patent applications	0.16	0.136	53	22
Trademark applications	3.11	0.227	72	50
Design applications	0.36	0.172	69	30
Employment knowledge-intensive activities	6.2	0.128	36	21
Employment innovative enterprises	±	0.729	±	±
Sales of innovative products	±	0.582	±	±
Air emissions by fine particulates	11.1	0.615	232	125
Average score	--	0.381	--	--
Country EIS-RIS correction factor	--	0.832	--	--
Regional Innovation Index 2021	--	0.317	--	--
RII 2021 (same year)	--	--	77.5	59.0
RII 2021 (cf. to EU 2014)	--	--	--	67.8
Regional Innovation Index 2014	--	0.214	--	--
RII 2014 (same year)	--	--	73.9	45.6
RII - change between 2014 and 2021	--	22.2	--	--

± Relative-to-EU scores are not shown as these would allow recalculating confidential regional CIS data.

Peloponnisos (EL65) is an Emerging Innovator +. Innovation performance has increased over time (22.2%).

The table on the left shows the normalised scores per indicator and relative results compared to Greece and the EU. The table also shows the Regional Innovation Index (RII) in 2021 compared to that of Greece and the EU in 2021, the RII in 2021 compared to that of the EU in 2014, and performance change over time between 2014 and 2021.

The radar graph shows relative strengths compared to Greece (orange line) and the EU (blue line), showing relative strengths (e.g. Business process innovators) and weaknesses (e.g. Employed ICT specialists).

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

	EL65	EL	EU
Share of employment in:			
Agriculture & Mining (A-B)	25.4	11.8	4.6
Manufacturing (C)	6.9	9.5	16.4
Utilities & Construction (D-F)	5.8	5.4	8.2
Services (G-N)	53.6	64.4	62.9
Public administration (O-U)	8.3	9.0	7.1
Average number of employed persons per enterprise	n/a	3.5	5.2
GDP per capita (PPS)	17,400	20,700	31,200
GDP per capita growth (PPS)	1.96	1.90	3.21
Population density	37	82	109
Urbanisation	48.0	73.0	75.3
Population size (000s)	570	10,720	446,450

