

Regional Innovation Scoreboard 2019

Anatoliki Makedonia, Thraki (EL51)

	Data	Normalised score	Relative to	
			EL	EU
Tertiary education	37.0	0.408	77	89
Lifelong learning	5.6	0.151	128	49
International scientific co-publications	301	0.309	66	54
Most-cited scientific publications	0.070	0.341	81	63
R&D expenditures public sector	0.55	0.502	98	88
R&D expenditures business sector	0.11	0.133	43	22
Non-R&D innovation expenditures	±	0.944	±	±
Product/process innovations	±	0.497	±	±
Marketing/ org. innovations	±	0.654	±	±
SMEs innovating in-house	±	0.466	±	±
Innovative SMEs collaborating	±	0.449	±	±
Public-private co-publications	0.0	0.000	0	0
PCT patent applications	1.05	0.041	36	10
Trademark applications	1.22	0.080	27	18
Design applications	0.15	0.071	30	14
Employment MHT manuf./KIS services	6.0	0.121	41	24
Sales new-to-market/firm innovations	±	0.416	±	±
Average score	--	0.328	--	--
Country EIS-RIS correction factor	--	0.846	--	--
Regional Innovation Index 2019	--	0.278	--	--
RII 2019 (same year)	--	--	76.2	57.2
RII 2019 (cf. to EU 2011)	--	--	--	59.9
Regional Innovation Index 2011	--	0.209	--	--
RII 2011 (same year)	--	--	73.4	45.1
RII - change between 2011 and 2019	--	14.8	--	--

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

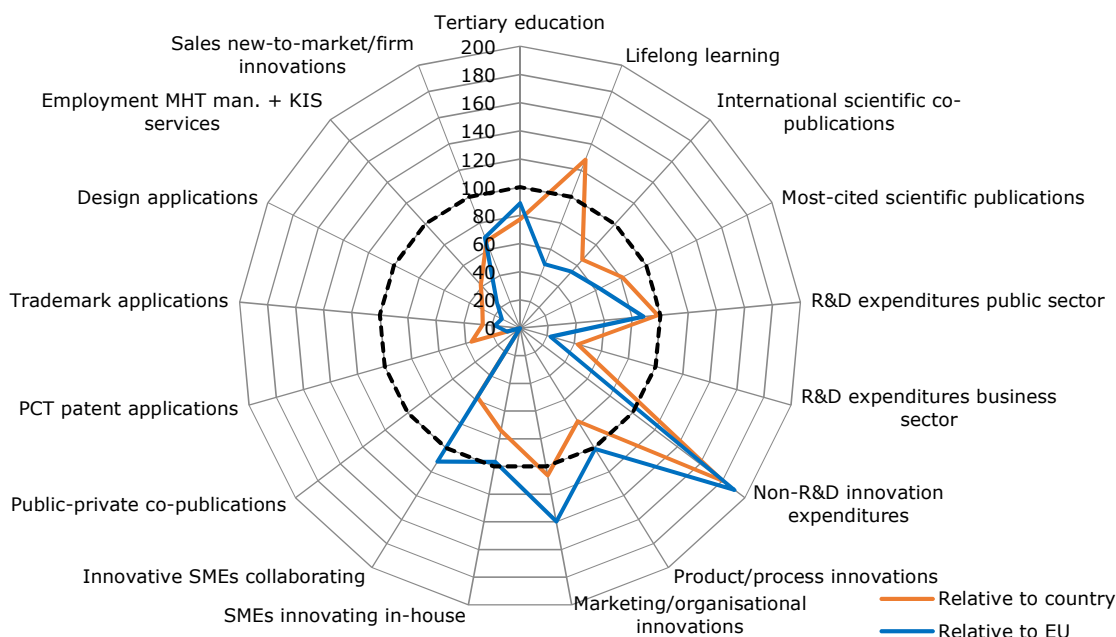
Anatoliki Makedonia, Thraki (EL51) is a **Moderate - Innovator**; innovation performance has increased over time (14.8%).

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 2019 compared to that of Greece and the EU in 2019, the RII in 2019 compared to that of the EU in 2011, and performance change over time between 2011 and 2019.

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. Public-private co-publications).

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

	EL51	EL	EU28
Share of employment in:			
Agriculture & Mining (A-B)	27.6	12.9	4.6
Manufacturing (C)	9.1	9.3	15.4
Utilities & Construction (D-F)	3.7	5.5	8.2
Services (G-N)	47.3	63.4	64.1
Public administration (O-U)	12.3	8.9	7.0
Average employed persons per enterprise (firm size), 2015-2016	3.4	3.4	5.5
GDP per capita (PPS), 2017	13,900	20,200	30,000
GDP per capita growth (PPS), 2013-2017	0.92	1.28	2.86
Population density, 2017	43	82	118
Urbanisation, 2018	57.3	72.6	76.0
Population size, 2018 (000s)	600	10,740	512,380



Regional Innovation Scoreboard 2019

Kentriki Makedonia (EL52)

	Data	Normalised score	Relative to	
			EL	EU
Tertiary education	46.6	0.580	110	126
Lifelong learning	4.0	0.103	87	33
International scientific co-publications	726	0.480	102	84
Most-cited scientific publications	0.093	0.451	107	83
R&D expenditures public sector	0.62	0.535	104	94
R&D expenditures business sector	0.21	0.207	66	35
Non-R&D innovation expenditures	±	0.746	±	±
Product/process innovations	±	0.637	±	±
Marketing/ org. innovations	±	0.641	±	±
SMEs innovating in-house	±	0.644	±	±
Innovative SMEs collaborating	±	0.788	±	±
Public-private co-publications	7.1	0.170	82	42
PCT patent applications	1.36	0.092	80	22
Trademark applications	4.63	0.325	109	73
Design applications	2.43	0.360	152	73
Employment MHT manuf./KIS services	8.8	0.235	80	47
Sales new-to-market/firm innovations	±	0.761	±	±
Average score	--	0.456	--	--
Country EIS-RIS correction factor	--	0.846	--	--
Regional Innovation Index 2019	--	0.386	--	--
RII 2019 (same year)	--	--	105.9	79.4
RII 2019 (cf. to EU 2011)	--	--	--	83.1
Regional Innovation Index 2011	--	0.287	--	--
RII 2011 (same year)	--	--	100.7	61.8
RII - change between 2011 and 2019	--	21.3	--	--

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

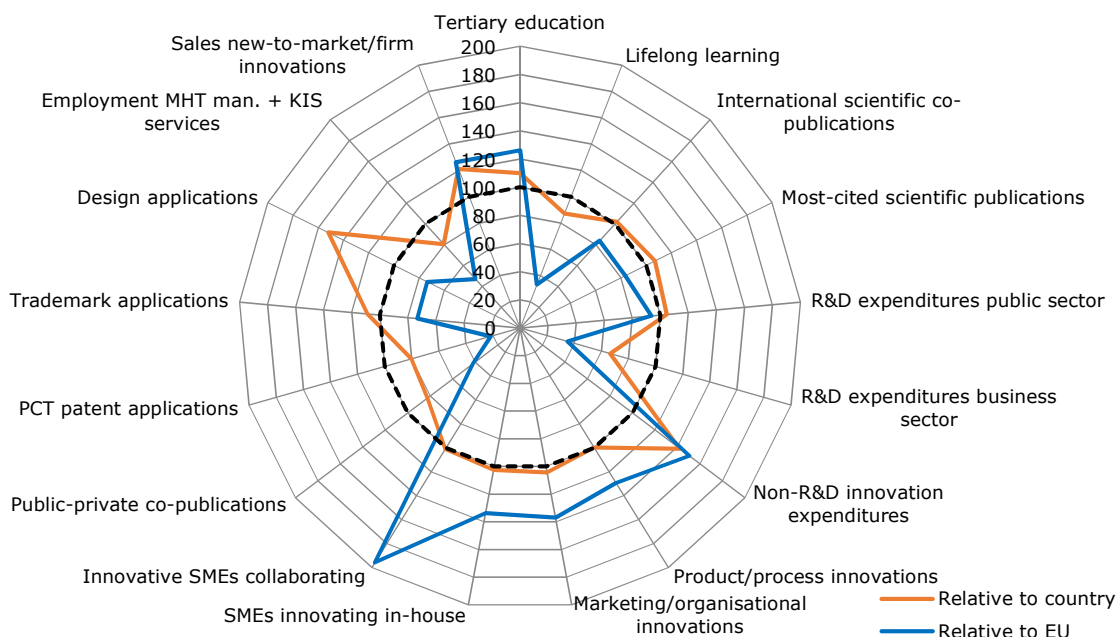
Kentriki Makedonia (EL52) is a **Moderate + Innovator**; innovation performance has increased over time (21.3%).

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 2019 compared to that of Greece and the EU in 2019, the RII in 2019 compared to that of the EU in 2011, and performance change over time between 2011 and 2019.

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. PCT patent applications).

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

	EL52	EL	EU28
Share of employment in:			
Agriculture & Mining (A-B)	15.0	12.9	4.6
Manufacturing (C)	11.2	9.3	15.4
Utilities & Construction (D-F)	4.5	5.5	8.2
Services (G-N)	62.0	63.4	64.1
Public administration (O-U)	7.3	8.9	7.0
Average employed persons per enterprise (firm size), 2015-2016	3.4	3.4	5.5
GDP per capita (PPS), 2017	16,000	20,200	30,000
GDP per capita growth (PPS), 2013-2017	2.14	1.28	2.86
Population density, 2017	99	82	118
Urbanisation, 2018	72.7	72.6	76.0
Population size, 2018 (000s)	1,880	10,740	512,380



Regional Innovation Scoreboard 2019

Dytiki Makedonia (EL53)

	Data	Normalised score	Relative to	
			EL	EU
Tertiary education	36.3	0.395	75	86
Lifelong learning	5.2	0.139	118	45
International scientific co-publications	175	0.236	50	41
Most-cited scientific publications	0.147	0.716	170	132
R&D expenditures public sector	0.37	0.398	78	70
R&D expenditures business sector	0.07	0.095	31	16
Non-R&D innovation expenditures	±	0.788	±	±
Product/process innovations	±	0.444	±	±
Marketing/ org. innovations	±	0.412	±	±
SMEs innovating in-house	±	0.465	±	±
Innovative SMEs collaborating	±	0.825	±	±
Public-private co-publications	7.1	0.170	82	42
PCT patent applications	1.42	0.102	88	24
Trademark applications	1.17	0.076	25	17
Design applications	1.52	0.280	118	57
Employment MHT manuf./KIS services	0.0	0.000	0	0
Sales new-to-market/firm innovations	±	0.979	±	±
Average score	--	0.407	--	--
Country EIS-RIS correction factor	--	0.846	--	--
Regional Innovation Index 2019	--	0.345	--	--
RII 2019 (same year)	--	--	94.6	70.9
RII 2019 (cf. to EU 2011)	--	--	--	74.3
Regional Innovation Index 2011	--	0.237	--	--
RII 2011 (same year)	--	--	83.3	51.2
RII - change between 2011 and 2019	--	23.1	--	--

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

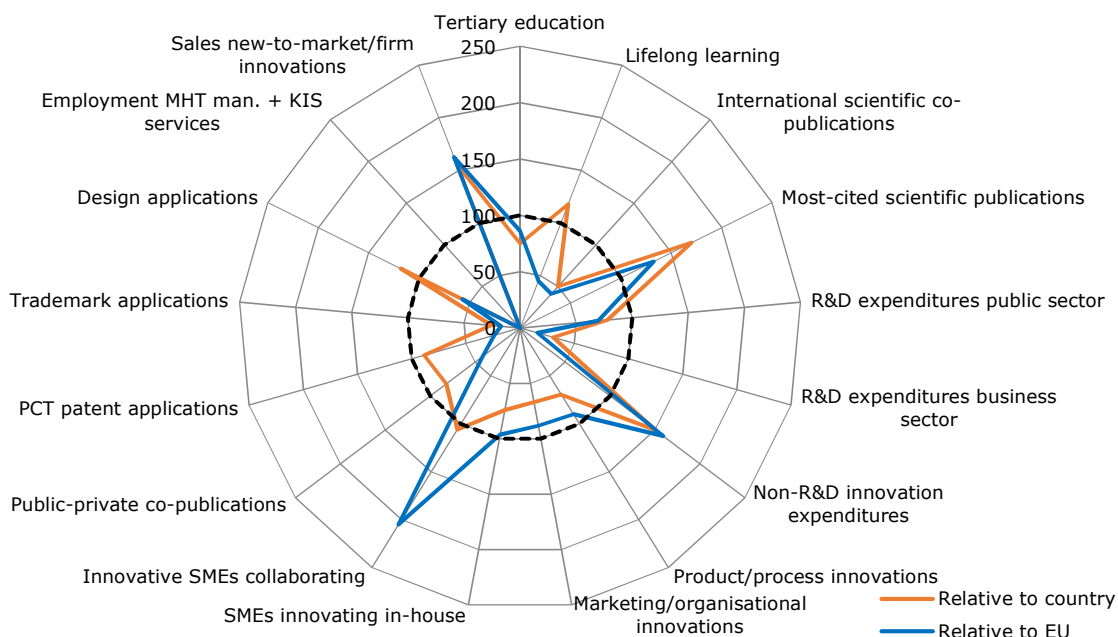
Dytiki Makedonia (EL53) is a **Moderate Innovator**; innovation performance has increased over time (23.1%).

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 2019 compared to that of Greece and the EU in 2019, the RII in 2019 compared to that of the EU in 2011, and performance change over time between 2011 and 2019.

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 MHT man. + KIS services).

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	EU28
Share of employment in:			
Agriculture & Mining (A-B)	24.7	12.9	4.6
Manufacturing (C)	9.6	9.3	15.4
Utilities & Construction (D-F)	9.7	5.5	8.2
Services (G-N)	46.5	63.4	64.1
Public administration (O-U)	9.6	8.9	7.0
Average employed persons per enterprise (firm size), 2015-2016			
	3.4	3.4	5.5
GDP per capita (PPS), 2017	17,900	20,200	30,000
GDP per capita growth (PPS), 2013-2017	-0.55	1.28	2.86
Population density, 2017	29	82	118
Urbanisation, 2018	53.2	72.6	76.0
Population size, 2018 (000s)	270	10,740	512,380



Regional Innovation Scoreboard 2019

Ipeiros (EL54)

	Data	Normalised score	Relative to	
			EL	EU
Tertiary education	42.1	0.499	95	109
Lifelong learning	1.9	0.039	33	13
International scientific co-publications	1571	0.707	150	123
Most-cited scientific publications	0.094	0.458	109	85
R&D expenditures public sector	1.02	0.712	139	125
R&D expenditures business sector	0.12	0.143	46	24
Non-R&D innovation expenditures	±	0.561	±	±
Product/process innovations	±	0.516	±	±
Marketing/ org. innovations	±	0.515	±	±
SMEs innovating in-house	±	0.504	±	±
Innovative SMEs collaborating	±	0.563	±	±
Public-private co-publications	0.0	0.000	0	0
PCT patent applications	1.08	0.047	41	11
Trademark applications	2.11	0.144	48	32
Design applications	0.00	0.000	0	0
Employment MHT manuf./KIS services	0.0	0.000	0	0
Sales new-to-market/firm innovations	±	0.269	±	±
Average score	--	0.379	--	--
Country EIS-RIS correction factor	--	0.846	--	--
Regional Innovation Index 2019	--	0.320	--	--
RII 2019 (same year)	--	--	87.9	65.9
RII 2019 (cf. to EU 2011)	--	--	--	69.0
Regional Innovation Index 2011	--	0.262	--	--
RII 2011 (same year)	--	--	92.0	56.5
RII - change between 2011 and 2019	--	12.5	--	--

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

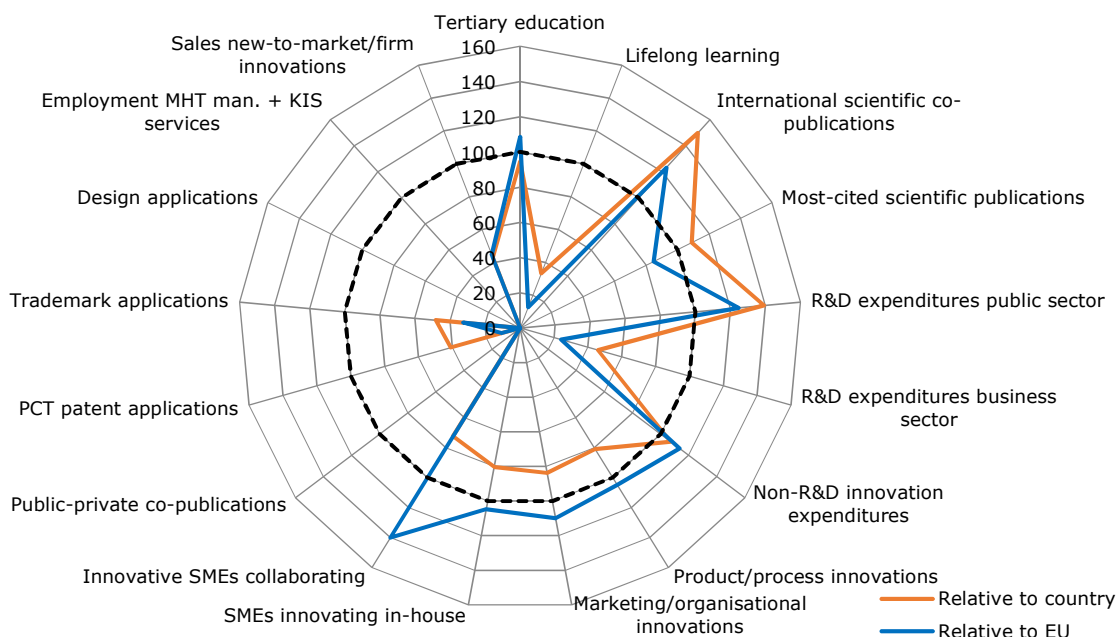
Ipeiros (EL54) is a **Moderate Innovator**; innovation performance has increased over time (12.5%).

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 2019 compared to that of Greece and the EU in 2019, the RII in 2019 compared to that of the EU in 2011, and performance change over time between 2011 and 2019.

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. Public-private co-publications).

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

	EL54	EL	EU28
Share of employment in:			
Agriculture & Mining (A-B)	18.1	12.9	4.6
Manufacturing (C)	8.5	9.3	15.4
Utilities & Construction (D-F)	6.7	5.5	8.2
Services (G-N)	58.0	63.4	64.1
Public administration (O-U)	8.8	8.9	7.0
Average employed persons per enterprise (firm size), 2015-2016	3.4	3.4	5.5
GDP per capita (PPS), 2017	14,400	20,200	30,000
GDP per capita growth (PPS), 2013-2017	1.44	1.28	2.86
Population density, 2017	37	82	118
Urbanisation, 2018	47.2	72.6	76.0
Population size, 2018 (000s)	330	10,740	512,380



Regional Innovation Scoreboard 2019

Thessalia (EL61)

	Data	Normalised score	Relative to	
			EL	EU
Tertiary education	42.0	0.497	94	108
Lifelong learning	2.5	0.058	49	18
International scientific co-publications	387	0.351	74	61
Most-cited scientific publications	0.081	0.395	94	73
R&D expenditures public sector	0.57	0.512	100	90
R&D expenditures business sector	0.04	0.063	20	11
Non-R&D innovation expenditures	±	0.615	±	±
Product/process innovations	±	0.660	±	±
Marketing/ org. innovations	±	0.661	±	±
SMEs innovating in-house	±	0.652	±	±
Innovative SMEs collaborating	±	0.922	±	±
Public-private co-publications	0.0	0.000	0	0
PCT patent applications	1.45	0.105	92	25
Trademark applications	3.18	0.221	74	50
Design applications	0.11	0.058	24	12
Employment MHT manuf./KIS services	6.1	0.126	43	25
Sales new-to-market/firm innovations	±	0.783	±	±
Average score	--	0.393	--	--
Country EIS-RIS correction factor	--	0.846	--	--
Regional Innovation Index 2019	--	0.332	--	--
RII 2019 (same year)	--	--	91.1	68.4
RII 2019 (cf. to EU 2011)	--	--	--	71.6
Regional Innovation Index 2011	--	0.253	--	--
RII 2011 (same year)	--	--	88.8	54.6
RII - change between 2011 and 2019	--	17.0	--	--

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

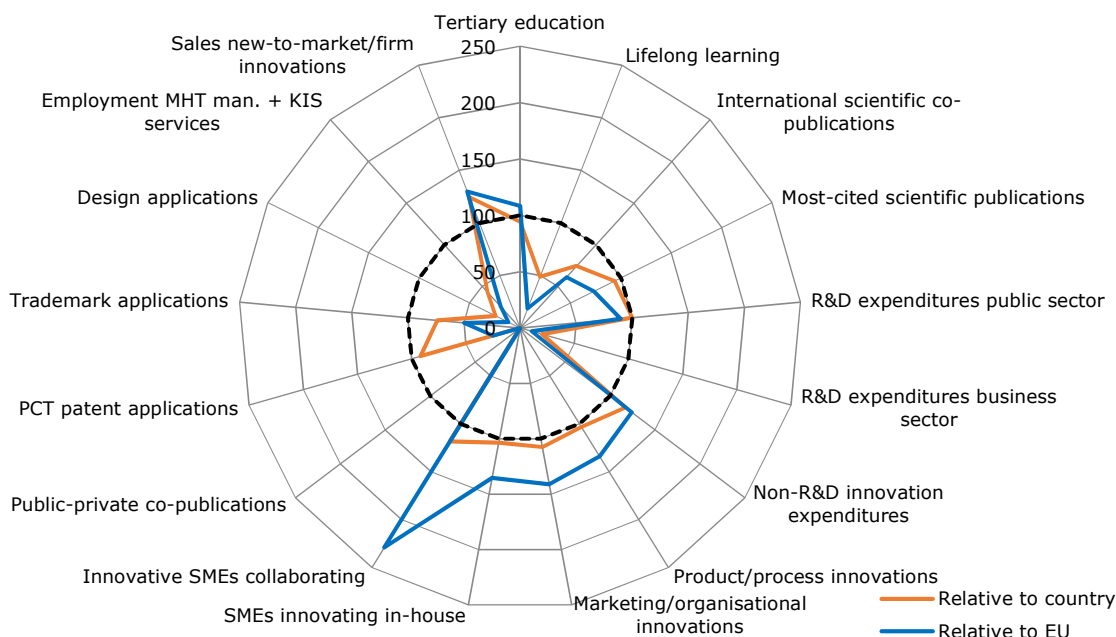
Thessalia (EL61) is a **Moderate Innovator**; innovation performance has increased over time (17%).

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 2019 compared to that of Greece and the EU in 2019, the RII in 2019 compared to that of the EU in 2011, and performance change over time between 2011 and 2019.

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. Public-private co-publications).

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

	EL61	EL	EU28
Share of employment in:			
Agriculture & Mining (A-B)	22.6	12.9	4.6
Manufacturing (C)	10.4	9.3	15.4
Utilities & Construction (D-F)	4.9	5.5	8.2
Services (G-N)	53.4	63.4	64.1
Public administration (O-U)	8.6	8.9	7.0
Average employed persons per enterprise (firm size), 2015-2016	3.4	3.4	5.5
GDP per capita (PPS), 2017	15,700	20,200	30,000
GDP per capita growth (PPS), 2013-2017	2.36	1.28	2.86
Population density, 2017	52	82	118
Urbanisation, 2018	68.0	72.6	76.0
Population size, 2018 (000s)	720	10,740	512,380



Regional Innovation Scoreboard 2019

Ionia Nisia (EL62)

	Data	Normalised score	Relative to	
			EL	EU
Tertiary education	23.0	0.156	30	34
Lifelong learning	2.5	0.058	49	18
International scientific co-publications	102	0.180	38	31
Most-cited scientific publications	0.047	0.230	55	43
R&D expenditures public sector	0.43	0.431	84	76
R&D expenditures business sector	0.04	0.063	20	11
Non-R&D innovation expenditures	±	0.939	±	±
Product/process innovations	±	0.510	±	±
Marketing/ org. innovations	±	0.531	±	±
SMEs innovating in-house	±	0.536	±	±
Innovative SMEs collaborating	±	0.543	±	±
Public-private co-publications	0.0	0.000	0	0
PCT patent applications	1.36	0.092	80	22
Trademark applications	0.89	0.056	19	13
Design applications	0.00	0.000	0	0
Employment MHT manuf./KIS services	0.0	0.000	0	0
Sales new-to-market/firm innovations	±	0.769	±	±
Average score	--	0.340	--	--
Country EIS-RIS correction factor	--	0.846	--	--
Regional Innovation Index 2019	--	0.287	--	--
RII 2019 (same year)	--	--	78.8	59.1
RII 2019 (cf. to EU 2011)	--	--	--	61.9
Regional Innovation Index 2011	--	0.181	--	--
RII 2011 (same year)	--	--	63.7	39.1
RII - change between 2011 and 2019	--	22.8	--	--

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

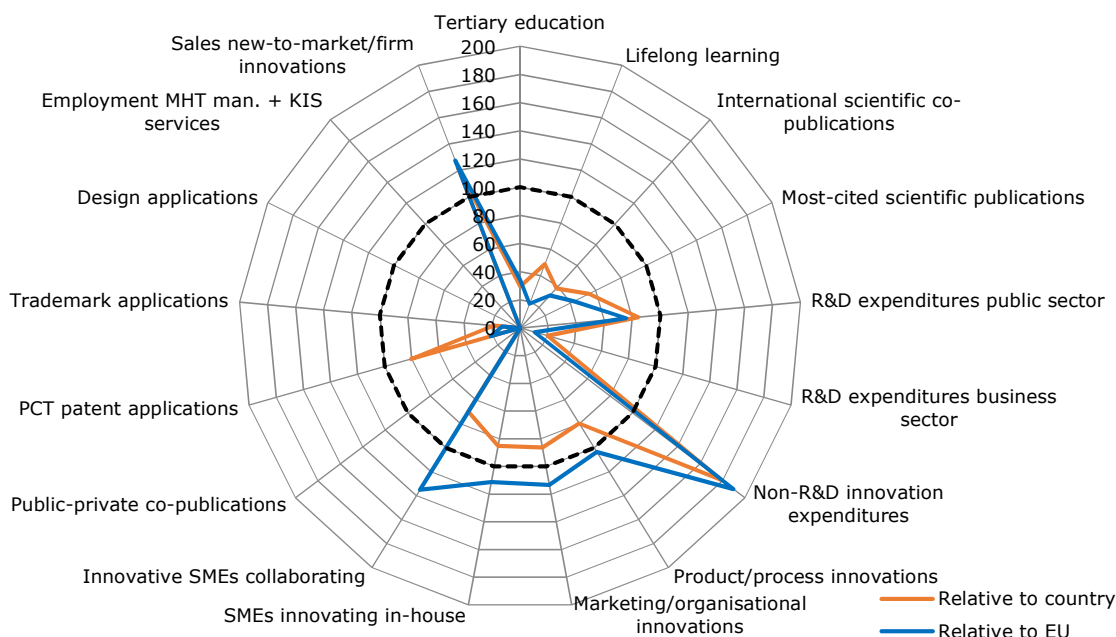
Ionia Nisia (EL62) is a Moderate Innovator; innovation performance has increased over time (22.8%).

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 2019 compared to that of Greece and the EU in 2019, the RII in 2019 compared to that of the EU in 2011, and performance change over time between 2011 and 2019.

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. Public-private co-publications).

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

	EL62	EL	EU28
Share of employment in:			
Agriculture & Mining (A-B)	10.2	12.9	4.6
Manufacturing (C)	4.9	9.3	15.4
Utilities & Construction (D-F)	6.7	5.5	8.2
Services (G-N)	71.9	63.4	64.1
Public administration (O-U)	6.2	8.9	7.0
Average employed persons per enterprise (firm size), 2015-2016	3.4	3.4	5.5
GDP per capita (PPS), 2017	18,600	20,200	30,000
GDP per capita growth (PPS), 2013-2017	1.98	1.28	2.86
Population density, 2017	89	82	118
Urbanisation, 2018	34.3	72.6	76.0
Population size, 2018 (000s)	200	10,740	512,380



Regional Innovation Scoreboard 2019

Dytiki Ellada (EL63)

	Data	Normalised score	Relative to	
			EL	EU
Tertiary education	39.2	0.447	85	97
Lifelong learning	3.5	0.088	74	28
International scientific co-publications	965	0.554	118	97
Most-cited scientific publications	0.073	0.355	84	66
R&D expenditures public sector	1.02	0.712	139	125
R&D expenditures business sector	0.24	0.222	71	38
Non-R&D innovation expenditures	±	0.595	±	±
Product/process innovations	±	0.718	±	±
Marketing/ org. innovations	±	0.674	±	±
SMEs innovating in-house	±	0.706	±	±
Innovative SMEs collaborating	±	0.801	±	±
Public-private co-publications	26.0	0.325	157	80
PCT patent applications	1.15	0.059	51	14
Trademark applications	2.42	0.166	55	37
Design applications	0.43	0.139	59	28
Employment MHT manuf./KIS services	5.6	0.105	36	21
Sales new-to-market/firm innovations	±	0.541	±	±
Average score	--	0.424	--	--
Country EIS-RIS correction factor	--	0.846	--	--
Regional Innovation Index 2019	--	0.358	--	--
RII 2019 (same year)	--	--	98.4	73.8
RII 2019 (cf. to EU 2011)	--	--	--	77.3
Regional Innovation Index 2011	--	0.276	--	--
RII 2011 (same year)	--	--	96.8	59.5
RII - change between 2011 and 2019	--	17.8	--	--

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

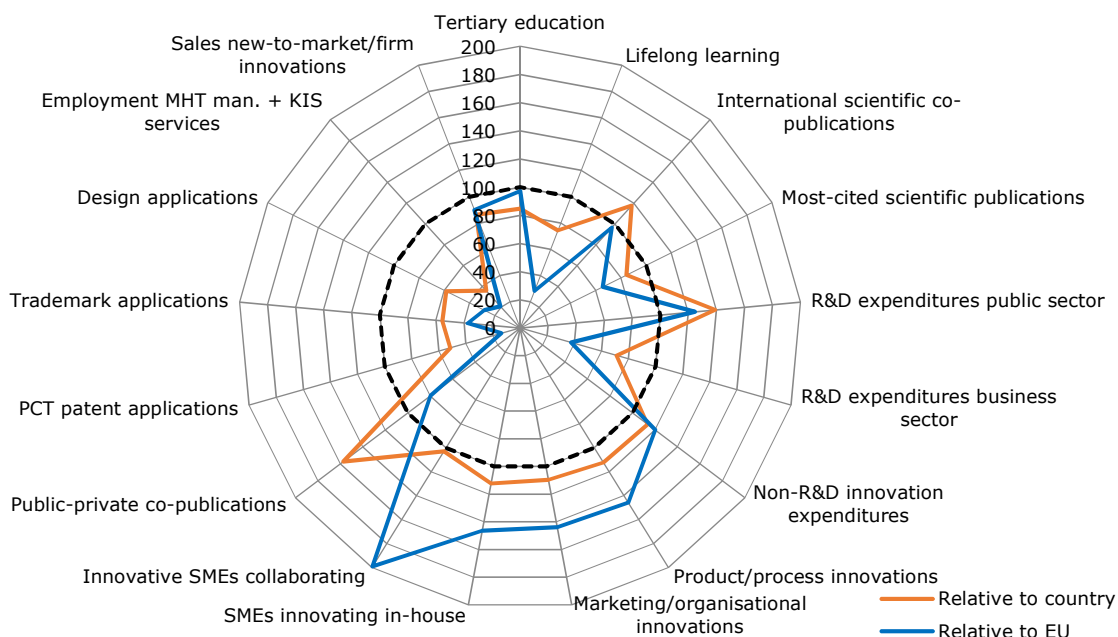
Dytiki Ellada (EL63) is a **Moderate Innovator**; innovation performance has increased over time (17.8%).

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 2019 compared to that of Greece and the EU in 2019, the RII in 2019 compared to that of the EU in 2011, and performance change over time between 2011 and 2019.

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. PCT patent applications).

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	EU28
Share of employment in:			
Agriculture & Mining (A-B)	25.3	12.9	4.6
Manufacturing (C)	6.7	9.3	15.4
Utilities & Construction (D-F)	5.7	5.5	8.2
Services (G-N)	53.3	63.4	64.1
Public administration (O-U)	9.0	8.9	7.0
Average employed persons per enterprise (firm size), 2015-2016			
GDP per capita (PPS), 2017	14,900	20,200	30,000
GDP per capita growth (PPS), 2013-2017	1.21	1.28	2.86
Population density, 2017	60	82	118
Urbanisation, 2018	60.0	72.6	76.0
Population size, 2018 (000s)	660	10,740	512,380



Regional Innovation Scoreboard 2019

Stereia Ellada (EL64)

	Data	Normalised score	Relative to	
			EL	EU
Tertiary education	35.9	0.388	73	84
Lifelong learning	1.4	0.024	21	8
International scientific co-publications	76	0.155	33	27
Most-cited scientific publications	0.049	0.238	57	44
R&D expenditures public sector	0.17	0.246	48	43
R&D expenditures business sector	0.46	0.328	105	56
Non-R&D innovation expenditures	±	0.656	±	±
Product/process innovations	±	0.662	±	±
Marketing/ org. innovations	±	0.621	±	±
SMEs innovating in-house	±	0.686	±	±
Innovative SMEs collaborating	±	0.596	±	±
Public-private co-publications	0.0	0.000	0	0
PCT patent applications	1.08	0.046	40	11
Trademark applications	1.43	0.095	32	21
Design applications	0.47	0.146	62	30
Employment MHT manuf./KIS services	0.0	0.000	0	0
Sales new-to-market/firm innovations	±	0.645	±	±
Average score	--	0.346	--	--
Country EIS-RIS correction factor	--	0.846	--	--
Regional Innovation Index 2019	--	0.292	--	--
RII 2019 (same year)	--	--	80.2	60.2
RII 2019 (cf. to EU 2011)	--	--	--	63.0
Regional Innovation Index 2011	--	0.246	--	--
RII 2011 (same year)	--	--	86.5	53.1
RII - change between 2011 and 2019	--	9.9	--	--

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

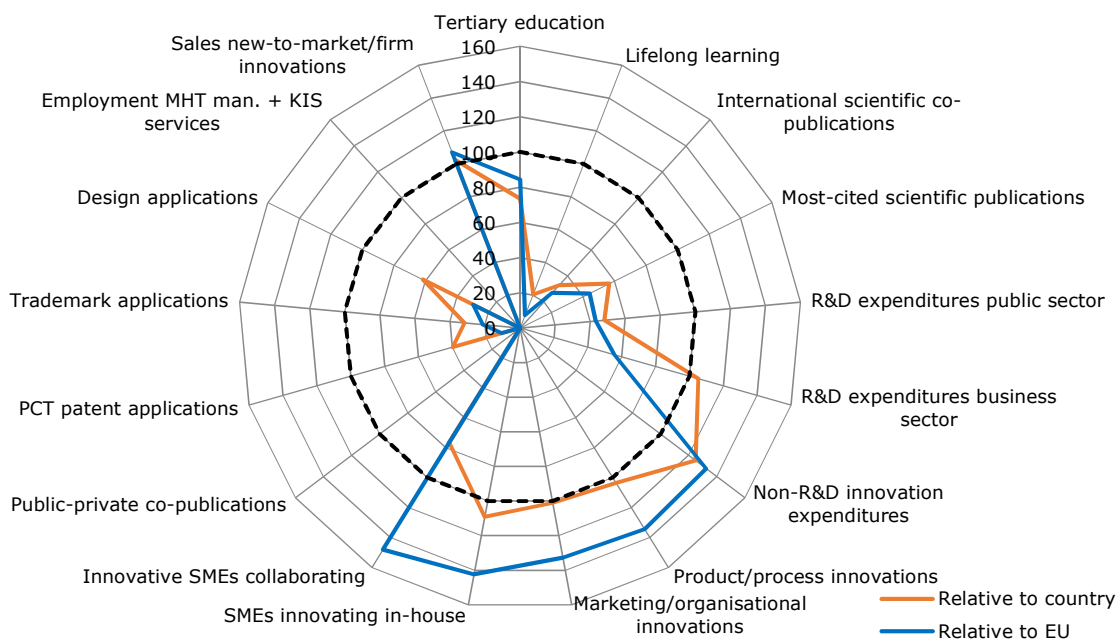
Stereia Ellada (EL64) is a **Moderate Innovator**; innovation performance has increased over time (9.9%).

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 2019 compared to that of Greece and the EU in 2019, the RII in 2019 compared to that of the EU in 2011, and performance change over time between 2011 and 2019.

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. Public-private co-publications).

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

	EL64	EL	EU28
Share of employment in:			
Agriculture & Mining (A-B)	23.7	12.9	4.6
Manufacturing (C)	16.1	9.3	15.4
Utilities & Construction (D-F)	5.1	5.5	8.2
Services (G-N)	48.9	63.4	64.1
Public administration (O-U)	6.3	8.9	7.0
Average employed persons per enterprise (firm size), 2015-2016			
	3.4	3.4	5.5
GDP per capita (PPS), 2017	18,500	20,200	30,000
GDP per capita growth (PPS), 2013-2017	2.44	1.28	2.86
Population density, 2017	36	82	118
Urbanisation, 2018	46.4	72.6	76.0
Population size, 2018 (000s)	560	10,740	512,380



Regional Innovation Scoreboard 2019

Peloponnisos (EL65)

	Data	Normalised score	Relative to	
			EL	EU
Tertiary education	36.5	0.399	76	87
Lifelong learning	1.7	0.033	28	11
International scientific co-publications	69	0.148	31	26
Most-cited scientific publications	0.052	0.255	61	47
R&D expenditures public sector	0.33	0.368	72	64
R&D expenditures business sector	0.05	0.080	26	14
Non-R&D innovation expenditures	±	0.725	±	±
Product/process innovations	±	0.683	±	±
Marketing/ org. innovations	±	0.502	±	±
SMEs innovating in-house	±	0.644	±	±
Innovative SMEs collaborating	±	0.723	±	±
Public-private co-publications	0.0	0.000	0	0
PCT patent applications	1.06	0.042	37	10
Trademark applications	2.25	0.154	51	35
Design applications	0.12	0.064	27	13
Employment MHT manuf./KIS services	5.6	0.105	36	21
Sales new-to-market/firm innovations	±	0.536	±	±
Average score	--	0.321	--	--
Country EIS-RIS correction factor	--	0.846	--	--
Regional Innovation Index 2019	--	0.272	--	--
RII 2019 (same year)	--	--	74.5	55.9
RII 2019 (cf. to EU 2011)	--	--	--	58.5
Regional Innovation Index 2011	--	0.236	--	--
RII 2011 (same year)	--	--	82.9	50.9
RII - change between 2011 and 2019	--	7.6	--	--

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

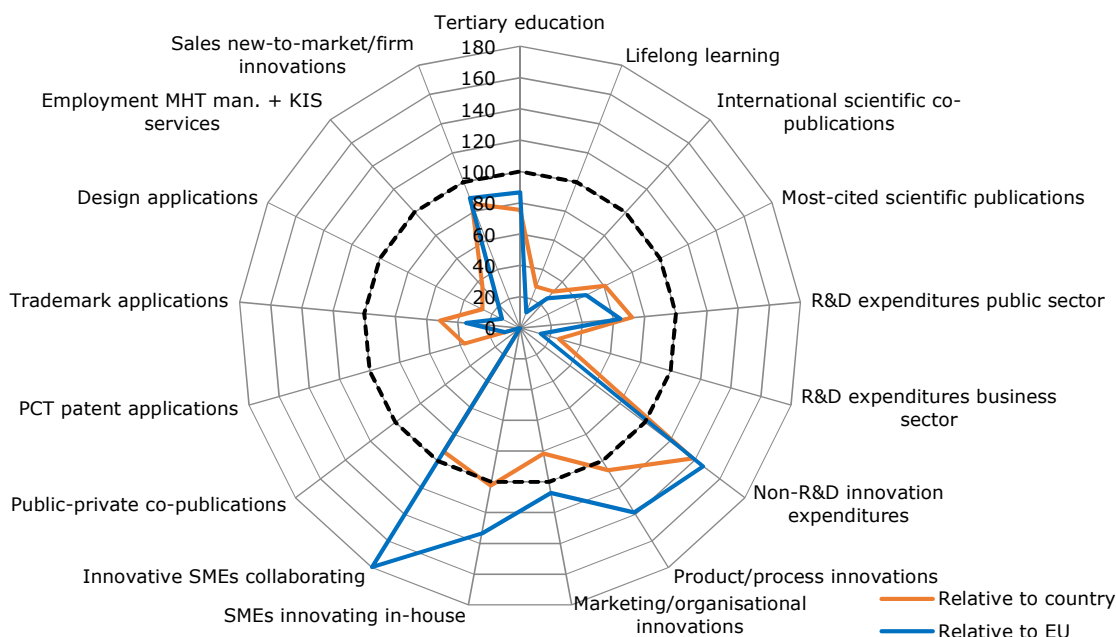
Peloponnisos (EL65) is a **Moderate - Innovator**; innovation performance has increased over time (7.6%).

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 2019 compared to that of Greece and the EU in 2019, the RII in 2019 compared to that of the EU in 2011, and performance change over time between 2011 and 2019.

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. Public-private co-publications).

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

	EL65	EL	EU28
Share of employment in:			
Agriculture & Mining (A-B)	29.1	12.9	4.6
Manufacturing (C)	5.8	9.3	15.4
Utilities & Construction (D-F)	7.3	5.5	8.2
Services (G-N)	50.1	63.4	64.1
Public administration (O-U)	7.7	8.9	7.0
Average employed persons per enterprise (firm size), 2015-2016			
	3.4	3.4	5.5
GDP per capita (PPS), 2017	17,000	20,200	30,000
GDP per capita growth (PPS), 2013-2017	2.17	1.28	2.86
Population density, 2017	37	82	118
Urbanisation, 2018	47.0	72.6	76.0
Population size, 2018 (000s)	580	10,740	512,380



Regional Innovation Scoreboard 2019

Attiki (EL30)

	Data	Normalised score	Relative to	
			EL	EU
Tertiary education	50.3	0.646	122	141
Lifelong learning	6.6	0.182	154	58
International scientific co-publications	918	0.540	115	94
Most-cited scientific publications	0.082	0.396	94	73
R&D expenditures public sector	0.53	0.493	96	86
R&D expenditures business sector	0.71	0.419	134	71
Non-R&D innovation expenditures	±	0.441	±	±
Product/process innovations	±	0.651	±	±
Marketing/ org. innovations	±	0.613	±	±
SMEs innovating in-house	±	0.633	±	±
Innovative SMEs collaborating	±	0.809	±	±
Public-private co-publications	21.3	0.295	143	72
PCT patent applications	1.78	0.152	133	36
Trademark applications	5.15	0.362	121	82
Design applications	1.09	0.234	99	48
Employment MHT manuf./KIS services	17.1	0.575	196	115
Sales new-to-market/firm innovations	±	0.607	±	±
Average score	--	0.473	--	--
Country EIS-RIS correction factor	--	0.846	--	--
Regional Innovation Index 2019	--	0.400	--	--
RII 2019 (same year)	--	--	109.9	82.4
RII 2019 (cf. to EU 2011)	--	--	--	86.3
Regional Innovation Index 2011	--	0.311	--	--
RII 2011 (same year)	--	--	109.1	67.1
RII - change between 2011 and 2019	--	19.2	--	--

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

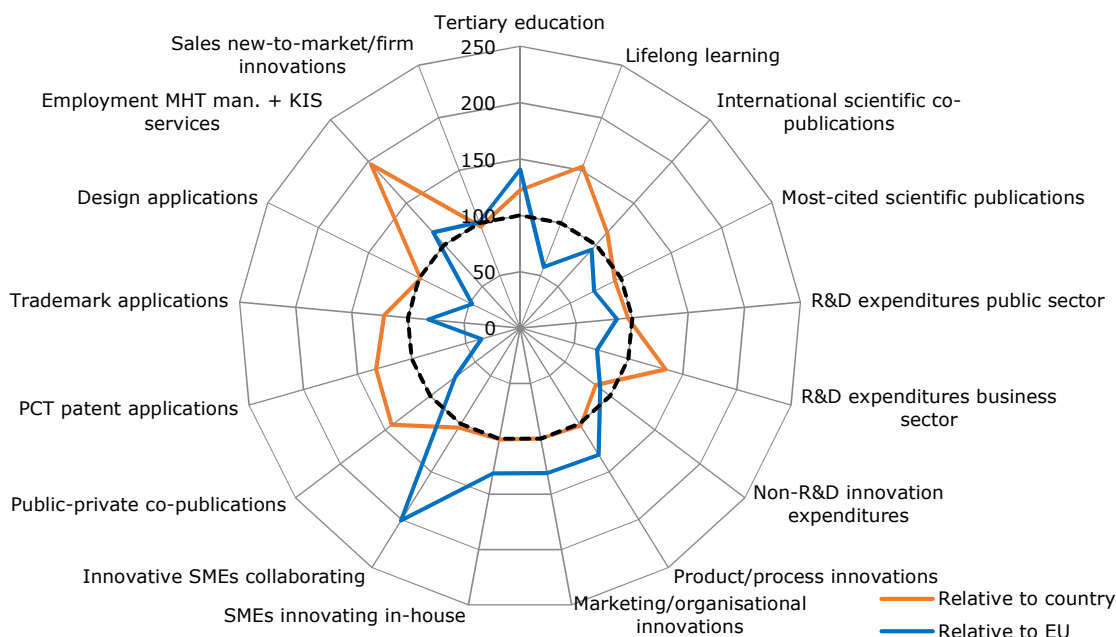
Attiki (EL30) is a **Moderate + Innovator**; innovation performance has increased over time (19.2%).

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 2019 compared to that of Greece and the EU in 2019, the RII in 2019 compared to that of the EU in 2011, and performance change over time between 2011 and 2019.

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. PCT patent applications).

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

	EL30	EL	EU28
Share of employment in:			
Agriculture & Mining (A-B)	1.0	12.9	4.6
Manufacturing (C)	9.8	9.3	15.4
Utilities & Construction (D-F)	5.3	5.5	8.2
Services (G-N)	74.1	63.4	64.1
Public administration (O-U)	9.7	8.9	7.0
Average employed persons per enterprise (firm size), 2015-2016	3.4	3.4	5.5
GDP per capita (PPS), 2017	27,300	20,200	30,000
GDP per capita growth (PPS), 2013-2017	1.03	1.28	2.86
Population density, 2017	989	82	118
Urbanisation, 2018	96.5	72.6	76.0
Population size, 2018 (000s)	3,760	10,740	512,380



Regional Innovation Scoreboard 2019

Voreio Aigaio (EL41)

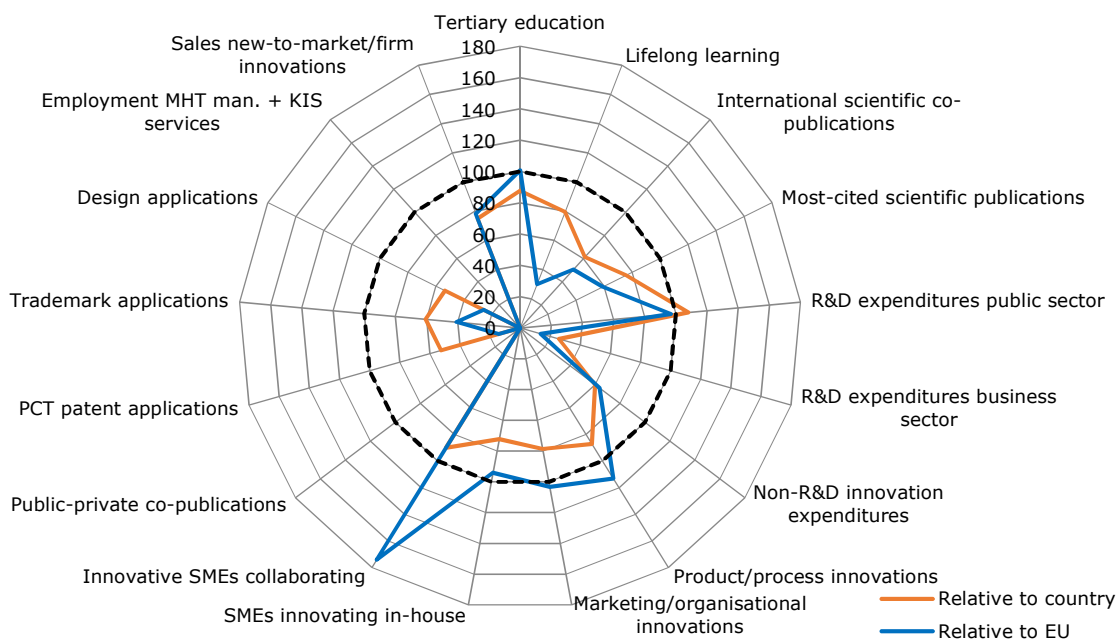
	Data	Normalised score	Relative to	
			EL	EU
Tertiary education	40.1	0.463	88	101
Lifelong learning	3.7	0.094	79	30
International scientific co-publications	264	0.290	62	51
Most-cited scientific publications	0.066	0.319	76	59
R&D expenditures public sector	0.65	0.553	108	97
R&D expenditures business sector	0.05	0.080	26	14
Non-R&D innovation expenditures	±	0.315	±	±
Product/process innovations	±	0.557	±	±
Marketing/ org. innovations	±	0.483	±	±
SMEs innovating in-house	±	0.454	±	±
Innovative SMEs collaborating	±	0.701	±	±
Public-private co-publications	0.0	0.000	0	0
PCT patent applications	1.16	0.060	53	14
Trademark applications	2.63	0.181	61	41
Design applications	0.37	0.127	54	26
Employment MHT manuf./KIS services	0.0	0.000	0	0
Sales new-to-market/firm innovations	±	0.472	±	±
Average score	--	0.322	--	--
Country EIS-RIS correction factor	--	0.846	--	--
Regional Innovation Index 2019	--	0.272	--	--
RII 2019 (same year)	--	--	74.7	56.0
RII 2019 (cf. to EU 2011)	--	--	--	58.7
Regional Innovation Index 2011	--	0.184	--	--
RII 2011 (same year)	--	--	64.6	39.7
RII - change between 2011 and 2019	--	19.0	--	--

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

Voreio Aigaio (EL41) is a **Moderate - Innovator**; innovation performance has increased over time (19%). 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 2019 compared to that of Greece and the EU in 2019, the RII in 2019 compared to that of the EU in 2011, and performance change over time between 2011 and 2019.

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. Public-private co-publications). 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	EU28
Share of employment in:			
Agriculture & Mining (A-B)	17.4	12.9	4.6
Manufacturing (C)	4.8	9.3	15.4
Utilities & Construction (D-F)	6.0	5.5	8.2
Services (G-N)	55.5	63.4	64.1
Public administration (O-U)	16.3	8.9	7.0
Average employed persons per enterprise (firm size), 2015-2016	3.4	3.4	5.5
GDP per capita (PPS), 2017	14,500	20,200	30,000
GDP per capita growth (PPS), 2013-2017	-0.84	1.28	2.86
Population density, 2017	54	82	118
Urbanisation, 2018	44.6	72.6	76.0
Population size, 2018 (000s)	210	10,740	512,380



Regional Innovation Scoreboard 2019

Notio Aigaio (EL42)

	Data	Normalised score	Relative to	
			EL	EU
Tertiary education	29.3	0.269	51	59
Lifelong learning	1.5	0.027	23	9
International scientific co-publications	27	0.092	20	16
Most-cited scientific publications	0.087	0.423	100	78
R&D expenditures public sector	0.16	0.237	46	42
R&D expenditures business sector	0.02	0.028	9	5
Non-R&D innovation expenditures	±	0.373	±	±
Product/process innovations	±	0.406	±	±
Marketing/ org. innovations	±	0.560	±	±
SMEs innovating in-house	±	0.423	±	±
Innovative SMEs collaborating	±	0.188	±	±
Public-private co-publications	0.0	0.000	0	0
PCT patent applications	1.22	0.069	60	16
Trademark applications	2.92	0.202	68	46
Design applications	0.15	0.071	30	15
Employment MHT manuf./KIS services	0.0	0.000	0	0
Sales new-to-market/firm innovations	±	0.168	±	±
Average score	--	0.221	--	--
Country EIS-RIS correction factor	--	0.846	--	--
Regional Innovation Index 2019	--	0.187	--	--
RII 2019 (same year)	--	--	51.3	38.5
RII 2019 (cf. to EU 2011)	--	--	--	40.3
Regional Innovation Index 2011	--	0.244	--	--
RII 2011 (same year)	--	--	85.5	52.6
RII - change between 2011 and 2019	--	-12.3	--	--

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

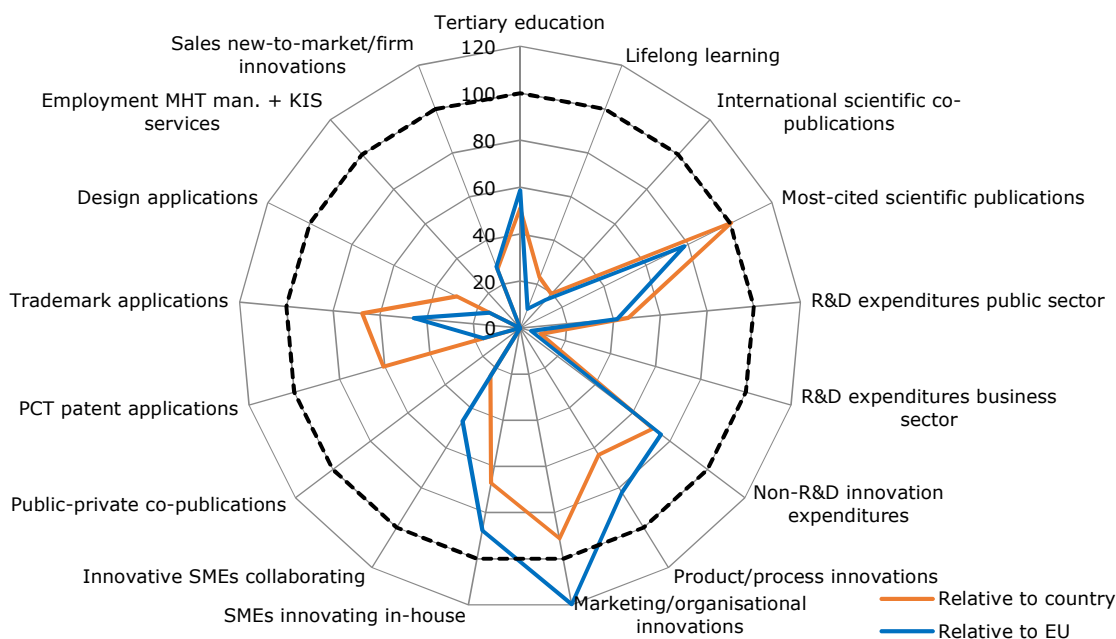
Notio Aigaio (EL42) is a **Modest Innovator**; innovation performance has decreased over time (-12.3%).

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 2019 compared to that of Greece and the EU in 2019, the RII in 2019 compared to that of the EU in 2011, and performance change over time between 2011 and 2019.

The radar graph shows relative strengths compared to Greece (orange line) and the EU (blue line), showing relative strengths (e.g. Marketing/organisational innovations) and weaknesses (e.g. Public-private co-publications).

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

	EL42	EL	EU28
Share of employment in:			
Agriculture & Mining (A-B)	7.1	12.9	4.6
Manufacturing (C)	4.6	9.3	15.4
Utilities & Construction (D-F)	8.3	5.5	8.2
Services (G-N)	70.9	63.4	64.1
Public administration (O-U)	9.1	8.9	7.0
Average employed persons per enterprise (firm size), 2015-2016	3.4	3.4	5.5
GDP per capita (PPS), 2017	21,700	20,200	30,000
GDP per capita growth (PPS), 2013-2017	1.06	1.28	2.86
Population density, 2017	64	82	118
Urbanisation, 2018	48.6	72.6	76.0
Population size, 2018 (000s)	340	10,740	512,380



Regional Innovation Scoreboard 2019

Kriti (EL43)

	Data	Normalised score	Relative to	
			EL	EU
Tertiary education	39.5	0.452	86	98
Lifelong learning	3.8	0.097	82	31
International scientific co-publications	1342	0.653	139	114
Most-cited scientific publications	0.119	0.579	138	107
R&D expenditures public sector	1.28	0.805	157	141
R&D expenditures business sector	0.14	0.164	52	28
Non-R&D innovation expenditures	±	0.940	±	±
Product/process innovations	±	0.758	±	±
Marketing/ org. innovations	±	0.688	±	±
SMEs innovating in-house	±	0.783	±	±
Innovative SMEs collaborating	±	1.000	±	±
Public-private co-publications	0.0	0.000	0	0
PCT patent applications	1.92	0.171	149	40
Trademark applications	4.61	0.323	108	73
Design applications	1.41	0.269	114	55
Employment MHT manuf./KIS services	0.0	0.000	0	0
Sales new-to-market/firm innovations	±	1.000	±	±
Average score	--	0.543	--	--
Country EIS-RIS correction factor	--	0.846	--	--
Regional Innovation Index 2019	--	0.459	--	--
RII 2019 (same year)	--	--	125.9	94.4
RII 2019 (cf. to EU 2011)	--	--	--	98.9
Regional Innovation Index 2011	--	0.319	--	--
RII 2011 (same year)	--	--	111.9	68.8
RII - change between 2011 and 2019	--	30.1	--	--

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

Kriti (EL43) is a **Strong - Innovator**; innovation performance has increased over time (30.1%).

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 2019 compared to that of Greece and the EU in 2019, the RII in 2019 compared to that of the EU in 2011, and performance change over time between 2011 and 2019.

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. Public-private co-publications).

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	EU28
Share of employment in:			
Agriculture & Mining (A-B)	16.5	12.9	4.6
Manufacturing (C)	6.4	9.3	15.4
Utilities & Construction (D-F)	6.4	5.5	8.2
Services (G-N)	63.9	63.4	64.1
Public administration (O-U)	6.8	8.9	7.0
Average employed persons per enterprise (firm size), 2015-2016	3.4	3.4	5.5
GDP per capita (PPS), 2017	17,000	20,200	30,000
GDP per capita growth (PPS), 2013-2017	1.85	1.28	2.86
Population density, 2017	76	82	118
Urbanisation, 2018	57.0	72.6	76.0
Population size, 2018 (000s)	630	10,740	512,380

