

Eco-innovation Index

[REMOVE](#) [1]

Unweighted mean of 16 indicators from eight contributors in five areas: eco-innovation inputs, eco-innovation activities, eco-innovation outputs, environmental outcomes and socio-economic outcomes.

Data host:

Eurostat

Unit of Measurement:

Percentage of the EU average that is equated with 100 (Index EU27=100).

Link to Data:

<http://ec.europa.eu/eurostat/tgm/table.do> [2]

Description to get data:

The same data is presented and visualized in the EU's eco-innovation scoreboard: <http://database.eco-innovation.eu/#view:scoreboard/indicators:269/countries:250,15,22,34,55,57,58,59,68,73,74,81,84,99,105,108,121,127,128,136,155,176,177,181,200,201,206,212,232/rScales:/chartType:BarGraph/year:2013/indicatorTabs:269,270,271,272,273,274/order:269>

Type of Indicator source:

- [Statistical office](#) [3]

Geographical Coverage:

Austria
Belgium
Bulgaria
Croatia
Cyprus
Czech Republic
Denmark
Estonia
Finland
France
Germany
Greece
Hungary
Ireland
Italy
Latvia
Lithuania
Luxembourg

Malta
Netherlands
Poland
Portugal
Romania
Slovakia
Slovenia
Spain
Sweden
United Kingdom

Geographical Level:

- [National](#) [4]

Same/similar indicators appears in the following sets:

- [Eco-Innovation Scoreboard \(EIO\)](#) [5]
- [OECD Green Growth Indicators](#) [6]
- [Europe 2020 Indicators](#) [7]
- [Eurostat Resource Efficiency Scoreboard](#) [8]

Methodological transparency:

- [Complete methodology available](#) [9]

Indicator relation: Indicator: [Resource Efficiency Scoreboard](#) [10]

Relationship explanation: The indicator is part of the EU's resource efficiency scoreboard

Type of relation: Aggregated indicator which includes the component

Indicator: [ISO 14001 registered organisations \(per mln population\)](#) [11]

Relationship explanation: The indicator is part of Eco-Innovation Index (Scoreboard)

Type of relation: Component indicator of the aggregate

Indicator: [Eco-Innovation Outputs](#) [12]

Relationship explanation: The indicator is part of Eco-Innovation Index (Scoreboard)

Type of relation: Component indicator of the aggregate

Indicator: [Eco-innovation related academic publications \(per mln population\)](#) [13]

Relationship explanation: The indicator is part of Eco-Innovation Index (Scoreboard)

Type of relation: Component indicator of the aggregate

Indicator: [Eco-innovation related media coverage \(per numbers of electronic media\)](#) [14]

Relationship explanation: The indicator is part of Eco-Innovation Index (Scoreboard)

Type of relation: Component indicator of the aggregate

Indicator: [Resource Efficiency outcomes](#) [15]

Relationship explanation: The indicator is part of Eco-Innovation Index (Scoreboard)

Type of relation: Component indicator of the aggregate

Indicator: [Material productivity \(GDP/Domestic Material Consumption\)](#) [16]

- [Home](#)
 - [About the website](#)
 - [About the search options](#)
 - [About the data in our Factsheets](#)

Relationship explanation: The indicator is part of Eco-Innovation Index (Scoreboard)

Type of relation: Component indicator of the aggregate

Indicator: [Water productivity \(GDP/Water Footprint\)](#) [17]

Relationship explanation: The indicator is part of Eco-Innovation Index (Scoreboard)

Type of relation: Component indicator of the aggregate

Indicator: [Energy productivity \(GDP/gross inland energy consumption\)](#) [18]

Relationship explanation: The indicator is part of Eco-Innovation Index (Scoreboard)

Type of relation: Component indicator of the aggregate

Indicator: [GHG emissions intensity \(CO₂e/GDP\)](#) [19]

Relationship explanation: The indicator is part of Eco-Innovation Index (Scoreboard)

Indicator: [Socio-Economic outcomes](#) [20]

Relationship explanation: The indicator is part of Eco-Innovation Index (Scoreboard)

Type of relation: Component indicator of the aggregate

Indicator: [Exports of products from eco-industries \(% of total exports\)](#) [21]

Relationship explanation: The indicator is part of Eco-Innovation Index (Scoreboard)

Type of relation: Component indicator of the aggregate

Indicator: [Employment in eco-industries and circular economy \(% of total employment across all companies\)](#) [22]

Relationship explanation: The indicator is part of Eco-Innovation Index (Scoreboard)

Type of relation: Component indicator of the aggregate

Indicator: [Turnover in eco-industries](#) [23]

Relationship explanation: The indicator is part of Eco-Innovation Index (Scoreboard)

Type of relation: Component indicator of the aggregate

Indicator: [Eco-Innovation Inputs](#) [24]

Relationship explanation: The indicator is part of Eco-Innovation Index (Scoreboard)

Type of relation: Component indicator of the aggregate

Indicator: [Governments environmental and energy R&D appropriations and outlays \(% of GDP\)](#) [25]

Relationship explanation: The indicator is part of Eco-Innovation Index (Scoreboard)

Type of relation: Component indicator of the aggregate

Indicator: [Human resources in science and technology \(% of active population\)](#) [26]

Relationship explanation: The indicator is part of Eco-Innovation Index (Scoreboard)

Type of relation: Component indicator of the aggregate

Indicator: [Total value of green early stage investments \(USD/capita\)](#) [27]

Relationship explanation: The indicator is part of Eco-Innovation Index (Scoreboard)

Type of relation: Component indicator of the aggregate

Indicator: [Eco-Innovation Activities](#) [28]

Relationship explanation: The indicator is part of Eco-Innovation Index (Scoreboard)

Type of relation: Component indicator of the aggregate

Indicator: [Firms having implemented innovation activities aiming at a reduction of material input per unit output](#) [29]

Relationship explanation: The indicator is part of Eco-Innovation Index (Scoreboard)

Type of relation: Component indicator of the aggregate

Indicator: [Firms having implemented innovation activities aiming at a reduction of energy input per unit output \(% of total firms\)](#) [30]

Relationship explanation: The indicator is part of Eco-Innovation Index (Scoreboard)

Type of relation: Component indicator of the aggregate

Indicator: [Venture capital - early stage investment](#) [31]

Relationship explanation: The indicator is part of Eco-Innovation Index (Scoreboard)

Type of relation: Component indicator of the aggregate

Temporal Coverage:

2010 to 2013

Frequency of Updates:

- [every 1-3 years](#) [32]

Indicator developer:

Eco-Innovation Observatory

Link to Methodology:

[EIO Methodological Report](#) [33]

Aggregation level of indicator:

- [Index or Composite](#) [34]

Data quality assesment:

- [other organisational assessment](#) [35]

Publishing delay:

- [1-3 years](#) [36]

Link to data quality assessment:

[EIO Methodological Report](#) [33]

Contribution to the green economy:

It is an indication of innovation in the direction of a green economy, which is why an increasing trend is perceived as positive.

Cost of accessing data:

- [free of charge](#) [37]

Potential misinterpretation: This is a composite indicator which can only provide messages about the overall country performance in relation to eco-innovation. A high overall ranking does not necessarily mean that a country has performed well in all eco-innovation areas covered by this indicator. Thus, an assessment of the individual areas would require an analysis of the specific sub-indicators covering these areas. The sub-indicators are listed in the "Indicator construction" section as "Component indicator of the aggregate".

Potential misinterpretation: Are there more eco-innovations, because they are enforced by environmental taxes?

Related Indicator: [Total environmentally related taxes, % GDP](#) [38]

Potential misinterpretation: Are there more eco-innovations, because environmental pressures (e.g. depletion of resources which affect their prices) are increasing?

Related Indicator: [Ecological Footprint](#) [39]

Use of indicator in mandates, international agreements or legislation:

Name of agreement or policy:

The Eco-innovation Action Plan (Eco-AP)

Name of body or organisation:

European Commission

Link to body or organisation:

[The Eco-innovation Action Plan \(Eco-AP\)](#) [40]

Section or page to find indicator:

Name of agreement or policy:

Green Action Plan for SMEs

Name of body or organisation:

European Commission

Link to body or organisation:

[GREEN ACTION PLAN FOR SMEs - Enabling SMEs to turn environmental challenges into business opportunities](#)
[41]

Section or page to find indicator:

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The NETGREEN project has received funding from the European Union's Seventh Framework Programme for Research, Technological Development and Demonstration under the Grant Agreement no. 603877.

Source URL: <https://measuring-progress.eu/eco-innovation-index>

Links

- [1] <https://measuring-progress.eu/coll-del/nojs/1232>
- [2] http://ec.europa.eu/eurostat/tgm/table.do?tab=table&init=1&language=en&pcode=t2020_rt200&plugin=1
- [3] <https://measuring-progress.eu/taxonomy/term/45>
- [4] <https://measuring-progress.eu/taxonomy/term/33>
- [5] <https://measuring-progress.eu/indicator-set/eco-innovation-scoreboard-eio>
- [6] <https://measuring-progress.eu/taxonomy/term/90>
- [7] <https://measuring-progress.eu/taxonomy/term/72>
- [8] <https://measuring-progress.eu/indicator-set/eurostat-resource-efficiency-scoreboard>
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- [11] <https://measuring-progress.eu/iso-14001-registered-organisations-mIn-population>
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- [13] <https://measuring-progress.eu/eco-innovation-related-academic-publications-mIn-population>
- [14] <https://measuring-progress.eu/eco-innovation-related-media-coverage-numbers-electronic-media>
- [15] <https://measuring-progress.eu/resource-efficiency-outcomes>
- [16] <https://measuring-progress.eu/material-productivity-gdpdomestic-material-consumption>
- [17] <https://measuring-progress.eu/water-productivity-gdpwater-footprint>

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- [18] <https://measuring-progress.eu/energy-productivity-gdpgross-inland-energy-consumption>
 - [19] <https://measuring-progress.eu/ghg-emissions-intensity-co2egdp>
 - [20] <https://measuring-progress.eu/socio-economic-outcomes>
 - [21] <https://measuring-progress.eu/exports-products-eco-industries-total-exports>
 - [22] <https://measuring-progress.eu/employment-eco-industries-and-circular-economy-total-employment-across-all-companies>
 - [23] <https://measuring-progress.eu/turnover-eco-industries>
 - [24] <https://measuring-progress.eu/eco-innovation-inputs>
 - [25] <https://measuring-progress.eu/governments-environmental-and-energy-rd-appropriations-and-outlays-gdp>
 - [26] <https://measuring-progress.eu/human-resources-science-and-technology-active-population>
 - [27] <https://measuring-progress.eu/total-value-green-early-stage-investments-usdcapita>
 - [28] <https://measuring-progress.eu/eco-innovation-activities>
 - [29] <https://measuring-progress.eu/firms-having-implemented-innovation-activities-aiming-reduction-material-input-unit-output>
 - [30] <https://measuring-progress.eu/firms-having-implemented-innovation-activities-aiming-reduction-energy-input-unit-output-total-firms>
 - [31] <https://measuring-progress.eu/venture-capital-early-stage-investment>
 - [32] <https://measuring-progress.eu/taxonomy/term/19>
 - [33] http://www.eco-innovation.eu/images/stories/Reports/eio_methodological_report_2012.pdf
 - [34] <https://measuring-progress.eu/taxonomy/term/30>
 - [35] <https://measuring-progress.eu/taxonomy/term/40>
 - [36] <https://measuring-progress.eu/taxonomy/term/25>
 - [37] <https://measuring-progress.eu/taxonomy/term/9>
 - [38] <https://measuring-progress.eu/total-environmentally-related-taxes-gdp>
 - [39] <https://measuring-progress.eu/ecological-footprint>
 - [40] <http://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX%3A52011DC0899&from=EN>
 - [41] <http://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX%3A52014DC0440&from=EN>