

Water productivity (GDP/Water Footprint)

[REMOVE](#) [1]

"The indicator illustrates the amount of economic value generated by unit of water consumption. It is calculated as GDP (in Purchasing Power Standards /PPS) divided by the Water Footprint (WF) of a country."

Retrieved from, <http://database.eco-innovation.eu/indicators/view/280/1> [2], 31.03.2015

Unit of Measurement:

cubic metres

Link to Data:

<http://database.eco-innovation.eu/indicators/visualise/> [3]

Description to get data:

Choose between Scoreboard or Indicator view; manipulate graphing and data options on the left

Type of Indicator source:

- [Intergovernmental Organisation](#) [4]

Geographical Coverage:

Austria
Belgium
Bulgaria
Croatia
Cyprus
Czech Republic
Denmark
Estonia
Finland
France
Germany
Hungary
Ireland
Italy
Latvia
Lithuania
Luxembourg
Malta
Netherlands
Poland
Portugal
Romania
Slovakia
Slovenia

Spain
Sweden

Geographical Level:

- [National](#) [5]

Same/similar indicators appears in the following sets:

- [Eco-Innovation Scoreboard \(EIO\)](#) [6]
- [World Development Indicators \(World Bank\)](#) [7]
- [Europe 2020 Indicators](#) [8]
- [Green Transition Scoreboard](#) [9]
- [Indicators for Sustainable Consumption and Production](#) [10]
- [Eurostat Agri-Environmental Indicators](#) [11]
- [EEA's environmental indicators/Environmental Pressure indicators](#) [12]

Methodological transparency:

- [Partial methodology available](#) [13]

Indicator relation: Indicator: [Eco-innovation Index](#) [14]

Type of relation: Aggregated indicator which includes the component

Indicator: [Eco-Innovation Inputs](#) [15]

Relationship explanation: Part of the Eco-Innovation Observatory mandate of eco-innovation indicators

Type of relation: Similar indicator

Indicator: [Eco-Innovation Activities](#) [16]

Relationship explanation: Part of the Eco-Innovation Observatory mandate of eco-innovation indicators

Type of relation: Similar indicator

Indicator: [Firms having implemented innovation activities aiming at a reduction of material input per unit output](#) [17]

Relationship explanation: The Community Innovation Survey questions relates to innovation in the commercial sector, among other themes

Type of relation: Similar indicator

Indicator: [Firms having implemented innovation activities aiming at a reduction of energy input per unit output \(% of total firms\)](#) [18]

Relationship explanation: The Community Innovation Survey questions relates to innovation in the commercial sector, among other themes

Type of relation: Similar indicator

Indicator: [ISO 14001 registered organisations \(per mln population\)](#) [19]

Relationship explanation: Part of the Eco-Innovation Observatory mandate of eco-innovation indicators

Type of relation: Similar indicator

Indicator: [Eco-Innovation Outputs](#) [20]

Relationship explanation: Part of the Eco-Innovation Observatory mandate of eco-innovation indicators

Type of relation: Similar indicator

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

Indicator: [Eco-Innovation related patents \(per mln population\)](#) [21]

Relationship explanation: Part of the Eco-Innovation Observatory mandate of eco-innovation indicators

Type of relation: Similar indicator

Indicator: [Eco-innovation related academic publications \(per mln population\)](#) [22]

Relationship explanation: Part of the Eco-Innovation Observatory mandate of eco-innovation indicators

Type of relation: Similar indicator

Indicator: [Eco-innovation related media coverage \(per numbers of electronic media\)](#) [23]

Relationship explanation: Part of the Eco-Innovation Observatory mandate of eco-innovation indicators

Type of relation: Similar indicator

Indicator: [Resource Efficiency outcomes](#) [24]

Type of relation: Aggregated indicator which includes the component

Indicator: [Material productivity \(GDP/Domestic Material Consumption\)](#) [25]

Type of relation: Similar indicator

Indicator: [Energy productivity \(GDP/gross inland energy consumption\)](#) [26]

Type of relation: Similar indicator

Temporal Coverage:

2001

Frequency of Updates:

- [irregular](#) [27]

Indicator developer:

DAVID MOLDEN and R. SAKTHIVADIVEL

Link to Methodology:

[Water Accounting to Assess Use and Productivity of Water pg 58-61](#) [28]

Aggregation level of indicator:

- [Aggregate](#) [29]

Data quality assesment:

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- [Home](#)
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- [No published quality assessment](#) [30]

Publishing delay:

- [1-3 years](#) [31]

Contribution to the green economy:

Utilizing water efficiently and intelligently is a critical goal of the Natural Capital pillar of the Green Economy. Productivity is a value judgement; taken from different perspectives it carries high added-value to the activity at hand or the opposite. Agriculture places an inherently lower value on water resources than industry.

Cost of accessing data:

- [free of charge](#) [32]

Potential misinterpretation: Access to and availability of freshwater resources will inevitably affect water productivity for one or more uses. Thus, it's critical to assess demand and use levels versus quantity of water before analysing water productivity.

Related Indicator: [Water Exploitation Index \(WEI\)](#) [33]

Potential misinterpretation: The increase in the indicator value may be achieved by an increase in economic production and does not necessarily indicate decline in total water use. The latter should also be evaluated.

Related Indicator: [Proportion of total water resources used](#) [34]

Potential misinterpretation: Is the water productivity increasing, but the freshwater quality is decreasing?

Related Indicator: [Freshwater quality](#) [35]

Potential misinterpretation: Water productivity indicator is calculated dividing gross domestic product (GDP) by the total annual fresh water abstraction. It is important to note that water abstraction is dependent on portion of the national agricultural sector and on climate conditions.

Related Indicator: [European precipitation](#) [36]

Use of indicator in mandates, international agreements or legislation:

Name of agreement or policy:

Innovation for a sustainable Future - The Eco-innovation Action Plan (Eco-AP)

Name of body or organisation:

European Commission

Link to body or organisation:

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

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/water-productivity-gdpwater-footprint>

Links

- [1] <https://measuring-progress.eu/coll-del/nojs/1264>
- [2] <https://database.eco-innovation.eu/indicators/view/280/1>
- [3] <https://database.eco-innovation.eu/indicators/visualise/#view:indicator/indicators:280/countries:250,249,15,22,34,55,57,58,59,68,73,74,81,84,99,105,108,121,127,128,136,155,176,177,181,200,201,206,212,232/rScales:/chartType:BarGraph/year:false/indicatorTabs:280/order:>
- [4] <https://measuring-progress.eu/taxonomy/term/52>
- [5] <https://measuring-progress.eu/taxonomy/term/33>
- [6] <https://measuring-progress.eu/indicator-set/eco-innovation-scoreboard-eio>
- [7] <https://measuring-progress.eu/taxonomy/term/97>
- [8] <https://measuring-progress.eu/taxonomy/term/72>
- [9] <https://measuring-progress.eu/taxonomy/term/80>
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- [14] <https://measuring-progress.eu/eco-innovation-index>
- [15] <https://measuring-progress.eu/eco-innovation-inputs>
- [16] <https://measuring-progress.eu/eco-innovation-activities>
- [17] <https://measuring-progress.eu/firms-having-implemented-innovation-activities-aiming-reduction-material-input-unit-output>
- [18] <https://measuring-progress.eu/firms-having-implemented-innovation-activities-aiming-reduction-energy-input-unit-output-total-firms>
- [19] <https://measuring-progress.eu/iso-14001-registered-organisations-mIn-population>
- [20] <https://measuring-progress.eu/eco-innovation-outputs>
- [21] <https://measuring-progress.eu/eco-innovation-related-patents-mIn-population>
- [22] <https://measuring-progress.eu/eco-innovation-related-academic-publications-mIn-population>
- [23] <https://measuring-progress.eu/eco-innovation-related-media-coverage-numbers-electronic-media>
- [24] <https://measuring-progress.eu/resource-efficiency-outcomes>
- [25] <https://measuring-progress.eu/material-productivity-gdpdomestic-material-consumption>
- [26] <https://measuring-progress.eu/energy-productivity-gdpgross-inland-energy-consumption>
- [27] <https://measuring-progress.eu/taxonomy/term/21>
- [28] <http://www.tandfonline.com/doi/pdf/10.1080/07900629948934>
- [29] <https://measuring-progress.eu/taxonomy/term/28>
- [30] <https://measuring-progress.eu/taxonomy/term/37>

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- [31] <https://measuring-progress.eu/taxonomy/term/25>
 - [32] <https://measuring-progress.eu/taxonomy/term/9>
 - [33] <https://measuring-progress.eu/water-exploitation-index-wei>
 - [34] <https://measuring-progress.eu/proportion-total-water-resources-used%C2%A0>
 - [35] <https://measuring-progress.eu/freshwater-quality>
 - [36] <https://measuring-progress.eu/european-precipitation>
 - [37] <http://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX%3A52011DC0899&from=EN>