

Greenhouse gas emissions per capita

[SELECT](#) [1]

"This indicator shows trends in man-made emissions of the 'Kyoto basket' of greenhouse gases per capita. The 'Kyoto basket' of greenhouse gases includes: carbon dioxide (CO₂), methane (CH₄), nitrous oxide (N₂O), and the so-called F-gases (hydrofluorocarbons, perfluorocarbons and sulphur hexafluoride (SF₆))." (Eurostat, <http://ec.europa.eu/eurostat/tgm/table.do?tab=table&init=1&plugin=0&lang...> [2], 2015-03-23)

Data host:

Eurostat

Unit of Measurement:

Tonnes CO₂ equivalent (t CO₂eq)

Link to Data:

<http://ec.europa.eu/eurostat/tgm/table.do?tab=table&init=1&plugin=0&language=en&...> [2]

Type of Indicator source:

- [Statistical office](#) [3]

Geographical Level:

- [National](#) [4]

Same/similar indicators appears in the following sets:

- [Small set of sustainable development indicators proposed by the UNECE/OECD/Eurostat working group on sustainability measurement](#) [5]
- [WikiProgress.Stat for Healthy Societies](#) [6]
- [EU Structural Indicators](#) [7]
- [Europe 2020 Indicators](#) [8]
- [Environment Policy Review \(EPR\) 2009 Indicators](#) [9]
- [EU Eurostat SDI Indicators](#) [10]
- [Indicators for Sustainable Consumption and Production](#) [11]
- [Eurostat Resource Efficiency Scoreboard](#) [12]
- [EEA's environmental indicators/Environmental Pressure indicators](#) [13]

Methodological transparency:

- [Complete methodology available](#) [14]

Indicator relation: Indicator: [Greenhouse gas emissions](#) [15]

Relationship explanation: Greenhouse gas emissions per capita = Greenhouse gas emissions [env_air_gge] (EEA) divided by Population (Eurostat).

Type of relation: Component indicator of the aggregate

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

Indicator: [Population, total](#) [16]

Relationship explanation: Greenhouse gas emissions per capita = Greenhouse gas emissions [env_air_gge] (EEA) divided by Population (Eurostat).

Type of relation: Component indicator of the aggregate

Indicator: [Greenhouse gas emissions, Kyoto base year](#) [17]

Type of relation: Similar indicator

Indicator: [Resource productivity \(GDP/Domestic Material Consumption\)](#) [18]

Relationship explanation: The Headline Indicator on Resource productivity is correlated to this indicator.

Type of relation: Similar indicator

Indicator: [Primary energy consumption](#) [19]

Relationship explanation: The Headline Indicator on Primary energy consumption is correlated to this indicator.

Type of relation: Similar indicator

Indicator: [Resource Efficiency Scoreboard](#) [20]

Type of relation: Aggregated indicator which includes the component

Temporal Coverage:

2000 to 2012

Frequency of Updates:

- [annually](#) [21]

Indicator developer:

Eurostat, the statistical office of the European Union

Link to Methodology:

[Indicator Profile \(ESMS\)](#) [22]

Aggregation level of indicator:

- [Aggregate](#) [23]

Data quality assesment:

- [Assessed by statistical office](#) [24]

Publishing delay:

- [1-3 years](#) [25]

Link to data quality assessment:

[Indicator Profile \(ESMS\)](#) [22]

Contribution to the green economy:

Greenhouse gas emissions per capita is one important indicator showing the impact of a country on climate change. Low greenhouse gas emissions are in general assumed to be positive.

Cost of accessing data:

- [free of charge](#) [26]

Potential misinterpretation: The actual and historic greenhouse gas emissions per capita does not indicate if a country is already on a pathway of reducing its emissions in the future.

Related Indicator: [Projections of GHG emissions — outlook from National Communications under UNFCCC](#) [27]

Potential misinterpretation: Greenhouse gas emissions per capita does not indicate how efficient or "green" an economy is in relation to its GDP.

Related Indicator: [GDP per capita](#) [28]

Potential misinterpretation: Are greenhouse gas emission per capita of a country not increasing, but the total population is?

Related Indicator: [Total population — outlook from UNSTAT](#) [29]

Potential misinterpretation: Are emissions of greenhouse gasses declining in a specific country, due to an economic crisis?

Related Indicator: [GDP — outlook from OECD](#) [30]



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Source URL: <https://measuring-progress.eu/greenhouse-gas-emissions-capita>

Links

[1] <https://measuring-progress.eu/coll-add/nojs/1242>

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

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- [2] http://ec.europa.eu/eurostat/tgm/table.do?tab=table&init=1&plugin=0&language=en&pcode=t2020_rd300&tableSelection=1
 - [3] <https://measuring-progress.eu/taxonomy/term/45>
 - [4] <https://measuring-progress.eu/taxonomy/term/33>
 - [5] <https://measuring-progress.eu/taxonomy/term/92>
 - [6] <https://measuring-progress.eu/taxonomy/term/95>
 - [7] <https://measuring-progress.eu/taxonomy/term/70>
 - [8] <https://measuring-progress.eu/taxonomy/term/72>
 - [9] <https://measuring-progress.eu/taxonomy/term/66>
 - [10] <https://measuring-progress.eu/taxonomy/term/67>
 - [11] <https://measuring-progress.eu/taxonomy/term/82>
 - [12] <https://measuring-progress.eu/indicator-set/eurostat-resource-efficiency-scoreboard>
 - [13] <https://measuring-progress.eu/taxonomy/term/65>
 - [14] <https://measuring-progress.eu/taxonomy/term/34>
 - [15] <https://measuring-progress.eu/greenhouse-gas-emissions>
 - [16] <https://measuring-progress.eu/population-total-0>
 - [17] <https://measuring-progress.eu/greenhouse-gas-emissions-kyoto-base-year>
 - [18] <https://measuring-progress.eu/resource-productivity-gdpdomestic-material-consumption>
 - [19] <https://measuring-progress.eu/primary-energy-consumption>
 - [20] <https://measuring-progress.eu/resource-efficiency-scoreboard>
 - [21] <https://measuring-progress.eu/taxonomy/term/17>
 - [22] http://ec.europa.eu/eurostat/cache/metadata/EN/t2020_rd300_esmsip.htm
 - [23] <https://measuring-progress.eu/taxonomy/term/28>
 - [24] <https://measuring-progress.eu/taxonomy/term/38>
 - [25] <https://measuring-progress.eu/taxonomy/term/25>
 - [26] <https://measuring-progress.eu/taxonomy/term/9>
 - [27] <https://measuring-progress.eu/projections-ghg-emissions-%E2%80%94-outlook-national-communications-under-unfccc>
 - [28] <https://measuring-progress.eu/gdp-capita>
 - [29] <https://measuring-progress.eu/total-population-%E2%80%94-outlook-unstat>
 - [30] <https://measuring-progress.eu/gdp-%E2%80%94-outlook-oecd>