



## Net greenhouse gas emissions (1990-2022)

The GHG emissions data covers anthropogenic emissions from all economic sectors. Member States follow the IPCC Guidelines for National Greenhouse Gas Inventories when estimating emissions and removals of greenhouse gases to ensure transparency, accuracy, comparability, completeness, and consistency in reported data.

### Simple

#### Identification info

Date (Creation)	2024-09-17
Date (Publication)	2024-09-17
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#### Identifier

Code	<a href="https://doi.org/10.2909/bd0767e6-5c6f-4a0f-ae01-45f122867d1c">10.2909/bd0767e6-5c6f-4a0f-ae01-45f122867d1c</a>
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Status	Superseded
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Point of contact	<b>Organisation</b>	<b>Individual</b>	<b>Electronic mail address</b>	<b>Website</b>	<b>Role</b>
	European Environment Agency		sdi@eea.europa.eu	<a href="http://www.eea.europa.eu">http://www.eea.europa.eu</a>	Point of contact

Topic category	<ul style="list-style-type: none"> <li>Environment</li> </ul>
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#### Extent

#### Temporal extent

Time period	1990-01-01 2022-12-31
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Maintenance and update frequency	Annually
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Date	2025-04
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Date type	Next Update
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<a href="#">GEMET</a>	<ul style="list-style-type: none"> <li><a href="#">climate change mitigation</a></li> <li><a href="#">statistical data</a></li> <li><a href="#">greenhouse gas emissions</a></li> </ul>
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<a href="#">Continents, countries, sea regions of the world.</a>	<ul style="list-style-type: none"> <li>Switzerland</li> <li>Iceland</li> <li>EU27 (from 2020)</li> <li>Norway</li> </ul>
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<a href="#">Reporting obligations</a>	<ul style="list-style-type: none"> <li><a href="#">Greenhouse gas emissions inventories - GovReg</a></li> </ul>
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	<ul style="list-style-type: none"> <li><a href="#">Greenhouse gas inventories (UNFCCC)</a></li> </ul>
<a href="#">EEA Management Plan</a>	<ul style="list-style-type: none"> <li>2024 2.1.8</li> </ul>
<a href="#">EEA topics</a>	<ul style="list-style-type: none"> <li><a href="#">Sustainability</a></li> <li><a href="#">Climate mitigation</a></li> </ul>
<a href="#">Unit of measure</a>	<ul style="list-style-type: none"> <li>Gg CO2 equivalent</li> </ul>
<a href="#">Available breakdowns</a>	<ul style="list-style-type: none"> <li>Country</li> </ul>
<a href="#">Reference period</a>	<ul style="list-style-type: none"> <li>Calendar year</li> </ul>

## Resource constraints

<b>Use constraints</b>	Other restrictions
<b>Other constraints</b>	License CC-BY 4.0 ( <a href="https://creativecommons.org/licenses/by/4.0/">https://creativecommons.org/licenses/by/4.0/</a> ). Copyright holder: European Environment Agency (EEA).
<b>Language</b>	English

## Distribution Information

<b>Distribution format</b>	<ul style="list-style-type: none"> <li>Microsoft Excel (.xls, .xlsx)</li> <li>ascii (.csv, .txt, .sql)</li> </ul>
<b>OnLine resource</b>	<a href="https://sdi.eea.europa.eu/webdav/datastore/public/eea_s_eu-sdg-13-10_p_1990-2022_v02_r00">https://sdi.eea.europa.eu/webdav/datastore/public/eea_s_eu-sdg-13-10_p_1990-2022_v02_r00</a>
<b>OnLine resource</b>	<a href="#">Direct download</a>
<b>OnLine resource</b>	<a href="#">EEA Indicator: Total greenhouse gas emission trends and projections in Europe</a>
<b>OnLine resource</b>	<a href="#">Data Viewer (Tableau)</a> Data viewer on greenhouse gas emissions and removals, sent by countries to UNFCCC and the EU Greenhouse Gas Monitoring Mechanism (EU Member States).
<b>OnLine resource</b>	<a href="#">Eurostat indicator: Net greenhouse gas emissions</a>
<b>OnLine resource</b>	<a href="#">Dashboard (Tableau)</a> Greenhouse gas emissions inventory
<b>OnLine resource</b>	

## Data quality info

<b>Hierarchy level</b>	Dataset
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## Report

<b>Name of measure</b>	Frequency of dissemination
<b>Measure description</b>	Indicator is updated annually.

## Result

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Value | Every year

## Report

Name of measure	Timeliness
Measure description	New data points are disseminated within two years after the reference year.

## Result

Value	T+2 years
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## Report

Name of measure	Reference area
Measure description	Data are presented for all EU Member States plus Iceland, Norway and Switzerland.

## Result

Value	All EU MS
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## Report

Name of measure	Comparability - geographical
Measure description	Data are comparable between all EU Member States respectively other presented countries.

## Result

Value	All EU MS
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## Report

Name of measure	Time coverage
Measure description	Presented time series (including EU aggregates) starts in 1990.

## Result

Value	> 10 years
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## Report

Name of measure	Comparability - over time
Measure description	<p>Length of comparable time series without methodological breaks is longer than 4 data points.</p> <p>Comparability between Member States is one the core reporting principles that the greenhouse gas inventory must adhere to. Consistency over time is another important principle. This means when Member States gain new scientific knowledge that cause a change of an estimate, then the Member State needs to recalculate the full time series back to 1990 using this knowledge, if applicable.</p>

## Result

Value	> 4 data points
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## Resource lineage



Provided by

