



## Greenhouse gas emissions under the Effort Sharing Legislation, 2005-2024

The Effort Sharing legislation covers greenhouse gas (GHG) emissions from domestic transport, buildings, agriculture, small industry and waste, and accounts for more than 60 % of total EU GHG emissions.

For the period 2013-2020, the Effort Sharing Decision established annual greenhouse gas emission targets for Member States, using global warming potentials (GWPs) from the Fourth Assessment Report (AR4) of the Intergovernmental Panel on Climate Change (IPCC) and excluding NF3 emissions. For the period 2021-2030, emissions are regulated by the Effort Sharing Regulation (ESR), including NF3 emissions and with the use of the GWP values of the IPCC AR5.

The EEA coordinates the Effort Sharing Legislation review of Member States' greenhouse gas inventories, so that the European Commission can determine compliance with the annual Effort Sharing Legislation targets on the basis of accurate, reliable and verified emission data. Review reports and final Effort Sharing Legislation emissions are published by the European Commission. The Effort Sharing Legislation emissions for the period 2005–2012 and for the latest year ('Y-1') are estimated by EEA on the basis of national GHG inventory data and ETS emissions.

### Simple

#### Identification info

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#### Identifier

Code	<a href="https://doi.org/10.2909/f80bebef-447e-4882-b3e9-c4a91cbae4f5">10.2909/f80bebef-447e-4882-b3e9-c4a91cbae4f5</a>
Codespace	doi.org
Description	Digital Object Identifier (DOI)

Point of contact	<b>Organisation</b>	<b>Individual</b>	<b>Electronic mail address</b>	<b>Website Role</b>
	European Environment Agency			Point of contact

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

#### Temporal extent

Time period	2005-01-01 2024-12-31
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Maintenance and update frequency	Annually
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<a href="#">EEA Management Plan</a>	<ul style="list-style-type: none"> <li>2024 2.1.1</li> </ul>
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<a href="#">EEA topics</a>	<ul style="list-style-type: none"> <li>• <a href="#">Climate mitigation</a></li> </ul>
<a href="#">GEMET</a>	<ul style="list-style-type: none"> <li>• <a href="#">greenhouse gas emissions</a></li> </ul>
<a href="#">Continents, countries, sea regions of the world.</a>	<ul style="list-style-type: none"> <li>• <a href="#">Latvia</a></li> <li>• <a href="#">Poland</a></li> <li>• <a href="#">Hungary</a></li> <li>• <a href="#">Estonia</a></li> <li>• <a href="#">Ireland</a></li> <li>• <a href="#">Italy</a></li> <li>• <a href="#">Germany</a></li> <li>• <a href="#">Austria</a></li> <li>• <a href="#">Belgium</a></li> <li>• <a href="#">Cyprus</a></li> <li>• <a href="#">Slovenia</a></li> <li>• <a href="#">Finland</a></li> <li>• <a href="#">Netherlands</a></li> <li>• <a href="#">Romania</a></li> <li>• <a href="#">Czechia</a></li> <li>• <a href="#">Croatia</a></li> <li>• <a href="#">Spain</a></li> <li>• <a href="#">France</a></li> <li>• <a href="#">Greece</a></li> <li>• <a href="#">Lithuania</a></li> <li>• <a href="#">Denmark</a></li> <li>• <a href="#">Slovakia</a></li> <li>• <a href="#">Luxembourg</a></li> <li>• <a href="#">Portugal</a></li> <li>• <a href="#">Bulgaria</a></li> <li>• <a href="#">Malta</a></li> <li>• <a href="#">EU27 (from 2020)</a></li> <li>• <a href="#">Sweden</a></li> </ul>

## Resource constraints

<b>Use limitation</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 Commission, European Environment Agency (EEA).
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## Resource constraints

<b>Access constraints</b>	Other restrictions
<b>Other constraints</b>	<a href="#">No limitations to public access</a>
<b>Language</b>	English

## Distribution Information

<b>Distribution format</b>	<ul style="list-style-type: none"> <li>• Microsoft Excel (.xls, .xlsx)</li> </ul>
<b>OnLine resource</b>	<a href="https://sdi.eea.europa.eu/webdav/datastore/public/eea_t_esd-2022_p_2005-2024_v01_r00">https://sdi.eea.europa.eu/webdav/datastore/public/eea_t_esd-2022_p_2005-2024_v01_r00</a>
<b>OnLine resource</b>	Direct download
<b>OnLine resource</b>	EEA Indicator: Progress towards national greenhouse gas emissions targets in Europe
<b>OnLine resource</b>	EU Emissions Trading System (ETS) data viewer
<b>OnLine resource</b>	Digital Object Identifier (DOI)

## Resource lineage

<b>Statement</b>	
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This data is based on the official GHG inventories submitted by the 27 EU Member States to the EEA, as well as the results of Effort Sharing Reviews. EU ETS emissions, as reported to the European Commission by operators of industrial installations are also used. Approximate estimates of GHG emissions for the year (X - 1) are also presented.

EEA supports the European Commission by coordinating the reviews of the greenhouse gas data which is the basis for this dataset. In the years where there is no review, the EEA calculates Effort Sharing emissions on the basis of greenhouse gas inventories and verified ETS emissions.

Hierarchy level

Dataset

## Metadata

Metadata identifier

f80bebef-447e-4882-b3e9-c4a91cbae4f5

Language

English

Character encoding

UTF8

Contact

**Organisation**

**Individual**

**Electronic  
mail  
address**

**Website Role**

European Environment Agency

sdi@eea.  
europa.eu

Point  
of  
contact

## Type of resource

Resource type

Non geographic dataset

Name

Tabular dataset

Metadata linkage

<https://sdi.eea.europa.eu/catalogue/srv/api/records/f80bebef-447e-4882-b3e9-c4a91cbae4f5>

Date info (Creation)

2025-11-05T13:55:22.116761Z

Date info (Revision)

2026-03-10T09:02:10.443822Z

## Metadata standard

Title

ISO 19115-3:2018

Edition

1.0

## Overviews

Geographic entity	ESD baseyear	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Austria	56.8	55.9	54.5	52.3	51.8	50.1	51.3	49.5	49.0	50.10	48.19	49.30
Belgium	80.3	78.9	77.7	76.8	79.2	75.8	78.9	73.5	73.9	74.26	70.05	72.72
Bulgaria	22.1	24.2	24.8	25.6	25.3	23.1	24.3	23.1	23.2	22.24	22.90	25.35
Croatia	17.4	17.2	17.5	17.9	17.9	17.1	17.4	17.2	16.3	15.13	14.66	15.57
Cyprus	4.2	4.1	4.2	4.4	4.5	4.4	4.4	4.6	4.3	3.94	3.92	4.06
Czechia	61.7	63.1	63.3	61.0	63.5	60.9	62.0	62.0	62.9	61.46	57.62	61.28
Denmark	40.1	40.4	40.4	40.5	39.8	38.0	38.4	37.0	35.7	33.71	32.64	32.52
Estonia	5.4	6.3	6.1	6.5	6.5	6.2	6.7	6.3	6.5	5.75	6.08	6.14
Finland	33.9	34.0	34.1	34.5	33.1	32.0	33.5	31.9	32.0	31.59	30.15	29.89
France	398.2	392.3	387.2	379.0	382.0	373.5	375.0	361.5	365.4	366.12	353.53	353.01
Germany	477.8	469.3	473.5	434.8	460.4	441.5	453.6	434.6	438.8	460.20	436.79	444.08
Greece	62.6	62.3	59.7	59.6	59.2	58.3	55.9	54.0	48.3	44.18	44.41	45.45
Hungary	48.0	47.2	46.8	44.6	44.3	42.9	43.0	41.8	39.6	38.44	38.42	41.44
Ireland	47.1	47.4	47.5	46.9	47.3	44.7	44.2	41.6	41.5	42.21	41.66	43.04
Italy	334.5	340.5	333.3	329.5	329.1	310.0	315.3	305.0	297.1	273.35	265.28	273.28
Latvia	8.5	8.1	8.5	9.0	8.7	8.2	8.6	8.1	8.1	8.78	9.02	9.01
Lithuania	13.3	11.2	11.6	13.7	12.9	11.1	11.5	12.6	12.7	12.45	12.92	13.25
Luxembourg	10.1	10.1	9.8	9.4	9.7	9.1	9.6	9.7	9.5	9.37	8.86	8.61
Malta	1.1	1.0	1.1	1.1	1.1	1.0	1.1	1.0	1.1	1.25	1.29	1.30
Netherlands	127.8	121.3	120.0	116.5	120.4	117.3	125.6	116.1	115.5	108.25	97.89	101.12
Poland	180.0	183.8	192.7	192.5	197.3	195.3	204.1	199.9	198.7	186.10	181.54	186.77
Portugal	48.6	47.0	45.6	45.2	44.9	43.6	43.5	41.4	39.2	38.61	38.84	40.61
Romania	75.5	74.9	76.3	73.1	76.7	71.0	68.0	71.1	72.8	72.72	72.53	74.56
Slovakia	23.0	21.5	20.7	20.2	21.8	21.5	22.4	21.4	20.3	21.08	19.78	20.08
Slovenia	11.8	11.7	11.8	11.8	12.8	11.5	11.6	11.6	11.4	10.93	10.47	10.72
Spain	236.0	238.1	241.8	246.2	235.6	223.0	224.5	213.5	204.2	200.28	199.76	196.15
Sweden	43.5	42.7	41.8	41.9	40.2	38.9	39.7	38.3	37.3	35.28	34.52	33.90
EU-27		2,454.411	2,452.319	2,394.316	2,425.767	2,330.048	2,373.850	2,288.249	2,265.354	2,227.749	2,153.746	2,193.207
Iceland												
Norway												

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