

## Member States' greenhouse gas (GHG) emission projections 2024

The Governance of the Energy Union and Climate Action ((EU) 2018/1999) requires Member States to report national projections of anthropogenic GHG emissions. Every two years, it is mandatory for EU Member States to report their GHG projections by gas (or group of gases) and by sector. On non-mandatory years, Member States are to report if there have been significant changes to their data. National projections shall take into consideration any policies and measures adopted at Union level. The reported data are quality checked by the EEA and its European Topic Centre for Climate Change Mitigation and Energy (ETC/CME). The 2024 dataset contains data up to year 2050.

### Simple

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<b>Purpose</b>	Kilotonnes CO2 equivalent (ktCO2e).			
<b>Point of contact</b>	<b>Organisation name</b>	<b>Individual name</b>	<b>Electronic mail address</b>	<b>Website</b> <b>Role</b>
	European Topic Centre on Climate Change Mitigation and Energy (ETC/CME)			<a href="https://www.eionet.europa.eu/etcs/etc-cme">https://www.eionet.europa.eu/etcs/etc-cme</a> Creator
	European Commission			<a href="http://ec.europa.eu/index_en.htm">http://ec.europa.eu/index_en.htm</a> Originator
<b>Maintenance and update frequency</b>	Annually			
<b>Reporting obligations</b>	<ul style="list-style-type: none"> <li><a href="#">National projections of anthropogenic greenhouse gas emissions - GovReg</a></li> </ul>			
<b>EEA Management Plan</b>	<ul style="list-style-type: none"> <li>2024 2.1.1</li> </ul>			
<b>EEA topics</b>	<ul style="list-style-type: none"> <li><a href="#">Climate</a></li> <li><a href="#">Climate mitigation</a></li> </ul>			
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### Point of contact

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No information provided.

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<b>Keywords</b>	
<b>GEMET</b>	<ul style="list-style-type: none"> <li>• <a href="#">greenhouse gas emissions</a></li> <li>• <a href="#">climate change mitigation</a></li> </ul>
<b>Continents, countries, sea regions of the world.</b>	<ul style="list-style-type: none"> <li>• Germany</li> <li>• Romania</li> <li>• Croatia</li> <li>• Italy</li> <li>• Estonia</li> <li>• Cyprus</li> <li>• Latvia</li> <li>• Czechia</li> <li>• Bulgaria</li> <li>• Portugal</li> <li>• Finland</li> <li>• Luxembourg</li> <li>• Slovakia</li> <li>• Norway</li> <li>• Greece</li> <li>• Spain</li> <li>• France</li> <li>• Lithuania</li> <li>• Poland</li> <li>• Belgium</li> <li>• Ireland</li> <li>• Iceland</li> <li>• Denmark</li> <li>• Austria</li> <li>• Switzerland</li> <li>• Slovenia</li> <li>• Sweden</li> <li>• Hungary</li> <li>• Malta</li> <li>• Netherlands</li> </ul>
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Language of dataset	English		
Topic category	<ul style="list-style-type: none"> <li>Environment</li> </ul>		
Begin date	2024-01-01		
End date	2024-12-31		
Additional Information	<p>Data reported by the EU Member States (MS) under the Governance of the Energy Union and Climate Action (EU) 2018/1999 (Governance Regulation) have been quality checked and adjusted if appropriate by the European Topic Centre Climate Change Mitigation and Energy (ETC/CME).</p> <p>GHG projections data are presented per MS, year, scenario, category, and gas. There are originally reported data and final (corrected or gap-filled when necessary) data. Two types of projections are presented: projections taking into account the (current) existing domestic policies and measures (WEM, with existing measures) and projections taking also into account additional (planned) domestic policies and measures (WAM, with additional measures).</p> <p>As 2024 is a voluntary year, not all MS reported their GHG projections. The following 11 MS reported 2024 data: AT, BE, DE, DK, EE, IE, IT, LT, LU, LV, SE. The dataset is complemented with 2023 data for the remaining MS.</p> <p>The detailed methodology used for the quality assurance and quality control procedure for national and Union GHG projections is outlined a report which can be downloaded from: <a href="https://www.eionet.europa.eu/reportnet/docs/govreg/projections">https://www.eionet.europa.eu/reportnet/docs/govreg/projections</a>.</p>		
Distribution format	<ul style="list-style-type: none"> <li>Microsoft Excel (.xls, .xlsx) ( )</li> </ul>		
OnLine resource	<b>Protocol</b> EEA:FOLDERPATH  WWW:URL  WWW:DOWNLOAD:Microsoft Excel (.xls, .xlsx)	<b>Linkage</b> <a href="https://sdi.eea.europa.eu/webdav/datastore/public/eea_t_ghg-emission-projections_p_2024_v01_r00/">https://sdi.eea.europa.eu/webdav/datastore/public/eea_t_ghg-emission-projections_p_2024_v01_r00/</a> <a href="https://sdi.eea.europa.eu/data/d5d2a7ab-dd89-410d-9f92-b5180759a06d">https://sdi.eea.europa.eu/data/d5d2a7ab-dd89-410d-9f92-b5180759a06d</a> <a href="https://sdi.eea.europa.eu/catalogue/srv/api/records/d5d2a7ab-dd89-410d-9f92-b5180759a06d/attachments/GHG_projections2024_final_dataset.xlsx">https://sdi.eea.europa.eu/catalogue/srv/api/records/d5d2a7ab-dd89-410d-9f92-b5180759a06d/attachments/GHG_projections2024_final_dataset.xlsx</a>	<b>Name</b>   Direct download

## OnLine resource

No information provided.

OnLine resource	<b>Protocol</b> DOI	<b>Linkage</b> <a href="https://doi.org/10.2909/d5d2a7ab-dd89-410d-9f92-b5180759a06d">https://doi.org/10.2909/d5d2a7ab-dd89-410d-9f92-b5180759a06d</a>	<b>Name</b>
Hierarchy level	Dataset		
Statement	<p>Data reported by the EU Member States (MS) under the Governance Regulation (EU) 2018/1999 have been quality checked and adjusted if appropriate by the European Topic Centre for Climate Change Mitigation and Energy (ETC/CME).</p> <p>Every two years, MS shall report to the Commission national projections of anthropogenic greenhouse gas emissions by sources and removals by sinks, organised by gas or group of gases (HFCs and PFCs) and by sector. Those projections shall include quantitative estimates for a sequence of six future years ending with 0 or 5 immediately following the reporting year. National projections shall take into consideration any policies and measures adopted at Union level. During voluntary years, MS are to report projections if they have experienced significant changes.</p> <p>GHG projections data are presented per MS, year, scenario, category and gas. There are originally reported data and final (corrected or gap-filled when necessary) data. Two types of projections are presented: projections taking into account the (current) existing</p>		

domestic policies and measures (WEM, with existing measures) and projections also taking into account additional (planned) domestic policies and measures (WAM, with additional measures).

Domestic policies and measures are those taking place within national boundaries. Existing policies and measures are those for which one or more of the following applies: a) national legislation is in force; b) one or more voluntary agreements have been established; c) financial resources have been allocated; d) human resources have been mobilised; e) an official government decision has been made and there is a clear commitment to proceed with implementation. Additional (planned) policies and measures are options under discussion with a realistic chance of being adopted and implemented in time to influence the emissions during the commitment period.

The detailed methodology used for the quality assurance and quality control procedure for national and Union GHG projections is outlined in a report and can be downloaded here: <https://www.eionet.europa.eu/reportnet/docs/govreg/projections>.

Dataset based on Member States submissions in 2024 and complemented with 2023 submissions under the Governance Regulation (EU) 2018/1999.

## Metadata

<b>File identifier</b>	d5d2a7ab-dd89-410d-9f92-b5180759a06d <a href="#">XML</a>		
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<b>Metadata author</b>	<b>Organisation name</b>	<b>Individual name</b>	<b>Electronic mail address</b> <b>Website Role</b>
	European Environment Agency		sdi@eea.europa.eu      Point of contact

## Overviews

CountryCode	Year	SubmissionYear	Category	Scenario	Gas	Reported Value	RY calibration	Gapfilled
AT	2022	2024	1.A.2. Manufacturing industries and construction	WAM	ESR emissions (ktCO2e)			4740.67417
AT	2023	2024	1.A.2. Manufacturing industries and construction	WAM	ESR emissions (ktCO2e)			3988.26342
AT	2024	2024	1.A.2. Manufacturing industries and construction	WAM	ESR emissions (ktCO2e)			4132.16969
AT	2025	2024	1.A.2. Manufacturing industries and construction	WAM	ESR emissions (ktCO2e)			4080.76098
AT	2026	2024	1.A.2. Manufacturing industries and construction	WAM	ESR emissions (ktCO2e)			4065.4164
AT	2027	2024	1.A.2. Manufacturing industries and construction	WAM	ESR emissions (ktCO2e)			3986.04726
AT	2028	2024	1.A.2. Manufacturing industries and construction	WAM	ESR emissions (ktCO2e)			3875.07011
AT	2029	2024	1.A.2. Manufacturing industries and construction	WAM	ESR emissions (ktCO2e)			3696.51791
AT	2030	2024	1.A.2. Manufacturing industries and construction	WAM	ESR emissions (ktCO2e)			3464.22679
AT	2031	2024	1.A.2. Manufacturing industries and construction	WAM	ESR emissions (ktCO2e)			3469.05349
AT	2032	2024	1.A.2. Manufacturing industries and construction	WAM	ESR emissions (ktCO2e)			3451.61317
AT	2033	2024	1.A.2. Manufacturing industries and construction	WAM	ESR emissions (ktCO2e)			3417.54266
AT	2034	2024	1.A.2. Manufacturing industries and construction	WAM	ESR emissions (ktCO2e)			3342.20882
AT	2035	2024	1.A.2. Manufacturing industries and construction	WAM	ESR emissions (ktCO2e)			3171.67065
AT	2036	2024	1.A.2. Manufacturing industries and construction	WAM	ESR emissions (ktCO2e)			3223.47836
AT	2037	2024	1.A.2. Manufacturing industries and construction	WAM	ESR emissions (ktCO2e)			3322.79257
AT	2038	2024	1.A.2. Manufacturing industries and construction	WAM	ESR emissions (ktCO2e)			3377.09226
AT	2039	2024	1.A.2. Manufacturing industries and construction	WAM	ESR emissions (ktCO2e)			3360.64514
AT	2040	2024	1.A.2. Manufacturing industries and construction	WAM	ESR emissions (ktCO2e)			3279.02709
AT	2041	2024	1.A.2. Manufacturing industries and construction	WAM	ESR emissions (ktCO2e)			3235.95176
AT	2042	2024	1.A.2. Manufacturing industries and construction	WAM	ESR emissions (ktCO2e)			3251.4819
AT	2043	2024	1.A.2. Manufacturing industries and construction	WAM	ESR emissions (ktCO2e)			3194.83615
AT	2044	2024	1.A.2. Manufacturing industries and construction	WAM	ESR emissions (ktCO2e)			3187.88845
AT	2045	2024	1.A.2. Manufacturing industries and construction	WAM	ESR emissions (ktCO2e)			2941.1642
AT	2046	2024	1.A.2. Manufacturing industries and construction	WAM	ESR emissions (ktCO2e)			2858.79154
AT	2047	2024	1.A.2. Manufacturing industries and construction	WAM	ESR emissions (ktCO2e)			2802.52197
AT	2048	2024	1.A.2. Manufacturing industries and construction	WAM	ESR emissions (ktCO2e)			2740.3013
AT	2049	2024	1.A.2. Manufacturing industries and construction	WAM	ESR emissions (ktCO2e)			2684.53004
AT	2050	2024	1.A.2. Manufacturing industries and construction	WAM	ESR emissions (ktCO2e)			2821.31329
AT	2021	2024	1.A.2. Manufacturing industries and construction	WEM	ESR emissions (ktCO2e)			4174.88542
AT	2022	2024	1.A.2. Manufacturing industries and construction	WEM	ESR emissions (ktCO2e)			4740.67417
AT	2023	2024	1.A.2. Manufacturing industries and construction	WEM	ESR emissions (ktCO2e)			4400.28403
AT	2024	2024	1.A.2. Manufacturing industries and construction	WEM	ESR emissions (ktCO2e)			4467.80992
AT	2025	2024	1.A.2. Manufacturing industries and construction	WEM	ESR emissions (ktCO2e)			4529.12233
AT	2026	2024	1.A.2. Manufacturing industries and construction	WEM	ESR emissions (ktCO2e)			4570.6696
AT	2027	2024	1.A.2. Manufacturing industries and construction	WEM	ESR emissions (ktCO2e)			4598.98712
AT	2028	2024	1.A.2. Manufacturing industries and construction	WEM	ESR emissions (ktCO2e)			4638.13983
AT	2029	2024	1.A.2. Manufacturing industries and construction	WEM	ESR emissions (ktCO2e)			4662.15311
AT	2030	2024	1.A.2. Manufacturing industries and construction	WEM	ESR emissions (ktCO2e)			4706.14662
AT	2031	2024	1.A.2. Manufacturing industries and construction	WEM	ESR emissions (ktCO2e)			4709.48435
AT	2032	2024	1.A.2. Manufacturing industries and construction	WEM	ESR emissions (ktCO2e)			4739.76311
AT	2033	2024	1.A.2. Manufacturing industries and construction	WEM	ESR emissions (ktCO2e)			4746.34146
AT	2034	2024	1.A.2. Manufacturing industries and construction	WEM	ESR emissions (ktCO2e)			4782.05121
AT	2035	2024	1.A.2. Manufacturing industries and construction	WEM	ESR emissions (ktCO2e)			4822.71103
AT	2036	2024	1.A.2. Manufacturing industries and construction	WEM	ESR emissions (ktCO2e)			4838.8344
AT	2037	2024	1.A.2. Manufacturing industries and construction	WEM	ESR emissions (ktCO2e)			4865.62428
AT	2038	2024	1.A.2. Manufacturing industries and construction	WEM	ESR emissions (ktCO2e)			4897.51735

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