

## National emissions reported to the UNFCCC and to the EU Greenhouse Gas Monitoring Mechanism, April 2023

Data on greenhouse gas emissions and removals, sent by countries to UNFCCC and the EU Greenhouse Gas Monitoring Mechanism (EU Member States). This data set reflects the GHG inventory data for 2023 as reported under the United Nations Framework Convention for Climate Change.

### Simple

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<b>Citation identifier</b>	DAT-13-en				
<b>Purpose</b>	Pollutants: CO <sub>2</sub> , CH <sub>4</sub> , N <sub>2</sub> O in Gg (1000 tonnes). Pollutants: HFCs, PFCs, unspecified mix of HFCs and PFCs, SF <sub>6</sub> and NF <sub>3</sub> in Gg CO <sub>2</sub> equivalent. Aggregate: All greenhouse gases in Gg CO <sub>2</sub> equivalent.				
<b>Status</b>	Superseded				
<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 Environment Agency				Point of contact
	European Environment Agency			<a href="http://www.eea.europa.eu/organization">http://www.eea.europa.eu/organization</a>	Publisher
	European Topic Centre on Air pollution and Climate change mitigation (ETC/ACM)			<a href="http://acm.eionet.europa.eu">http://acm.eionet.europa.eu</a>	Processor
	European Environment Agency			<a href="http://www.eea.europa.eu">http://www.eea.europa.eu</a>	Processor
<b>Maintenance and update frequency</b>	Annually				
<b>Reporting obligations</b>	<ul style="list-style-type: none"> <li><a href="#">Greenhouse gas inventories (UNFCCC)</a></li> </ul>				
<b>EEA Management Plan</b>	<ul style="list-style-type: none"> <li>2022 1.3.1</li> </ul>				
<b>EEA topics</b>	<ul style="list-style-type: none"> <li>Climate mitigation</li> </ul>				
<b>Keywords</b>					
<b>Keywords</b>					
<b>Continents, countries, sea regions of the world.</b>	<ul style="list-style-type: none"> <li><a href="#">Malta</a></li> <li><a href="#">Portugal</a></li> <li><a href="#">Spain</a></li> <li><a href="#">Greece</a></li> <li><a href="#">Belgium</a></li> <li><a href="#">Czechia</a></li> <li><a href="#">Italy</a></li> <li><a href="#">Slovenia</a></li> <li><a href="#">Denmark</a></li> <li><a href="#">Slovakia</a></li> </ul>				

	<ul style="list-style-type: none"> <li>• <a href="#">Austria</a></li> <li>• <a href="#">Latvia</a></li> <li>• <a href="#">Croatia</a></li> <li>• <a href="#">Hungary</a></li> <li>• <a href="#">Luxembourg</a></li> <li>• <a href="#">Iceland</a></li> <li>• <a href="#">Norway</a></li> <li>• <a href="#">Switzerland</a></li> <li>• <a href="#">Ireland</a></li> <li>• <a href="#">Netherlands</a></li> <li>• <a href="#">Sweden</a></li> <li>• <a href="#">Bulgaria</a></li> <li>• <a href="#">Lithuania</a></li> <li>• <a href="#">Germany</a></li> <li>• <a href="#">Poland</a></li> <li>• <a href="#">France</a></li> <li>• <a href="#">Finland</a></li> <li>• <a href="#">Estonia</a></li> <li>• <a href="#">Cyprus</a></li> <li>• <a href="#">Romania</a></li> </ul>												
<b>Use limitation</b>	EEA standard re-use policy: unless otherwise indicated, re-use of content on the EEA website for commercial or non-commercial purposes is permitted free of charge, provided that the source is acknowledged ( <a href="https://www.eea.europa.eu/legal/copyright">https://www.eea.europa.eu/legal/copyright</a> ). Copyright holder: European Environment Agency (EEA).												
<b>Access constraints</b>	Other restrictions												
<b>Other constraints</b>	<a href="#">No limitations to public access</a>												
<b>Language of dataset</b>	English												
<b>Begin date</b>	1985-01-01												
<b>End date</b>	2021-12-31												
<b>Distribution format</b>	<ul style="list-style-type: none"> <li>• Microsoft Access (.mdb, .accdb) ( )</li> <li>• ascii (.csv, .txt, .sql) ( )</li> </ul>												
<b>OnLine resource</b>	<table border="1"> <thead> <tr> <th>Protocol</th> <th>Linkage</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td>EEA:FOLDERPATH</td> <td><a href="https://sdi.eea.europa.eu/webdav/datastore/public/eea_t_national-emissions-reported_p_2023_v01_r00/">https://sdi.eea.europa.eu/webdav/datastore/public/eea_t_national-emissions-reported_p_2023_v01_r00/</a></td> <td></td> </tr> <tr> <td>WWW:URL</td> <td><a href="https://sdi.eea.europa.eu/data/0569441f-2853-4664-a7cd-db969ef54de0">https://sdi.eea.europa.eu/data/0569441f-2853-4664-a7cd-db969ef54de0</a></td> <td>Direct download</td> </tr> <tr> <td>WWW:DOWNLOAD-1.0-http--download</td> <td><a href="https://www.eea.europa.eu/themes/climate/eu-greenhouse-gas-inventory/read-me-eea-ghg-data-viewer">https://www.eea.europa.eu/themes/climate/eu-greenhouse-gas-inventory/read-me-eea-ghg-data-viewer</a></td> <td>GHG Viewer documentation</td> </tr> </tbody> </table>	Protocol	Linkage	Name	EEA:FOLDERPATH	<a href="https://sdi.eea.europa.eu/webdav/datastore/public/eea_t_national-emissions-reported_p_2023_v01_r00/">https://sdi.eea.europa.eu/webdav/datastore/public/eea_t_national-emissions-reported_p_2023_v01_r00/</a>		WWW:URL	<a href="https://sdi.eea.europa.eu/data/0569441f-2853-4664-a7cd-db969ef54de0">https://sdi.eea.europa.eu/data/0569441f-2853-4664-a7cd-db969ef54de0</a>	Direct download	WWW:DOWNLOAD-1.0-http--download	<a href="https://www.eea.europa.eu/themes/climate/eu-greenhouse-gas-inventory/read-me-eea-ghg-data-viewer">https://www.eea.europa.eu/themes/climate/eu-greenhouse-gas-inventory/read-me-eea-ghg-data-viewer</a>	GHG Viewer documentation
Protocol	Linkage	Name											
EEA:FOLDERPATH	<a href="https://sdi.eea.europa.eu/webdav/datastore/public/eea_t_national-emissions-reported_p_2023_v01_r00/">https://sdi.eea.europa.eu/webdav/datastore/public/eea_t_national-emissions-reported_p_2023_v01_r00/</a>												
WWW:URL	<a href="https://sdi.eea.europa.eu/data/0569441f-2853-4664-a7cd-db969ef54de0">https://sdi.eea.europa.eu/data/0569441f-2853-4664-a7cd-db969ef54de0</a>	Direct download											
WWW:DOWNLOAD-1.0-http--download	<a href="https://www.eea.europa.eu/themes/climate/eu-greenhouse-gas-inventory/read-me-eea-ghg-data-viewer">https://www.eea.europa.eu/themes/climate/eu-greenhouse-gas-inventory/read-me-eea-ghg-data-viewer</a>	GHG Viewer documentation											
<b>Hierarchy level</b>	Dataset												
<b>Statement</b>	The European Topic Centre on Air Pollution and Climate Change Mitigation (31 May 2022), national submissions to UNFCCC or to EU Monitoring Mechanism of CO2 and other greenhouse emissions.												
<b>Feature catalogue citation</b>	•												

## Metadata

<b>File identifier</b>	0569441f-2853-4664-a7cd-db969ef54de0 <a href="#">XML</a>
<b>Metadata language</b>	English
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<b>Metadata standard version</b>	1.0		
<b>Metadata author</b>	<b>Organisation name</b>	<b>Individual name</b>	<b>Electronic mail address</b>
	European Environment Agency		sdi@eea.europa.eu
			<b>Website Role</b>
			Point of contact

## Overviews

Country_code	Country	Format_name	Pollutant_name	Sector_code	Sector_name	Parent_sector_cod	Unit	Year	emissions	Notation	PublicationDate	DataSource
AT	Austria	IPCC Common Reporting Format	All greenhouse gases - (CO2 equivalent)	-	-4(V) Indirect N2O Emissions from Managed Soil	-	4 Gg CO2 equivalent	2007	12.00106			20220531_EEA
AT	Austria	IPCC Common Reporting Format	All greenhouse gases - (CO2 equivalent)	-	-4(V) Indirect N2O Emissions from Managed Soil	-	4 Gg CO2 equivalent	2017	14.95167			20220531_EEA
AT	Austria	IPCC Common Reporting Format	All greenhouse gases - (CO2 equivalent)	-	-4(V) Indirect N2O Emissions from Managed Soil	-	4 Gg CO2 equivalent	2019	14.99876			20220531_EEA
AT	Austria	IPCC Common Reporting Format	All greenhouse gases - (CO2 equivalent)	1 1 - Energy	1 1 - Energy	Sectors/Totals_inc	Gg CO2 equivalent	1995	54279.45302			20220531_EEA
AT	Austria	IPCC Common Reporting Format	All greenhouse gases - (CO2 equivalent)	1 1 - Energy	1 1 - Energy	Sectors/Totals_inc	Gg CO2 equivalent	2018	54573.36984			20220531_EEA
AT	Austria	IPCC Common Reporting Format	All greenhouse gases - (CO2 equivalent)	1.A.1	1.A.1 - Energy Industries	1.AA	Gg CO2 equivalent	1993	11628.85487			20220531_EEA
AT	Austria	IPCC Common Reporting Format	All greenhouse gases - (CO2 equivalent)	1.A.1	1.A.1 - Energy Industries	1.AA	Gg CO2 equivalent	1995	13061.97196			20220531_EEA
AT	Austria	IPCC Common Reporting Format	All greenhouse gases - (CO2 equivalent)	1.A.1	1.A.1 - Energy Industries	1.AA	Gg CO2 equivalent	2009	12444.88538			20220531_EEA
AT	Austria	IPCC Common Reporting Format	All greenhouse gases - (CO2 equivalent)	1.A.1	1.A.1 - Energy Industries	1.AA	Gg CO2 equivalent	2016	10295.59255			20220531_EEA
AT	Austria	IPCC Common Reporting Format	All greenhouse gases - (CO2 equivalent)	1.A.1	1.A.1 - Energy Industries	1.AA	Gg CO2 equivalent	2018	10062.20038			20220531_EEA
AT	Austria	IPCC Common Reporting Format	All greenhouse gases - (CO2 equivalent)	1.A.1	1.A.1 - Energy Industries	1.AA	Gg CO2 equivalent	2020	8807.30904			20220531_EEA
AT	Austria	IPCC Common Reporting Format	All greenhouse gases - (CO2 equivalent)	1.A.1.a	1.A.1.a - Public Electricity and Heat Production	1.A.1	Gg CO2 equivalent	2016	7229.547			20220531_EEA
AT	Austria	IPCC Common Reporting Format	All greenhouse gases - (CO2 equivalent)	1.A.1.a	1.A.1.a - Public Electricity and Heat Production	1.A.1	Gg CO2 equivalent	2017	7905.8824			20220531_EEA
AT	Austria	IPCC Common Reporting Format	All greenhouse gases - (CO2 equivalent)	1.A.1.a	1.A.1.a - Public Electricity and Heat Production	1.A.1	Gg CO2 equivalent	2019	7066.65294			20220531_EEA
AT	Austria	IPCC Common Reporting Format	All greenhouse gases - (CO2 equivalent)	1.A.1.a	1.A.1.a - Public Electricity and Heat Production	1.A.1	Gg CO2 equivalent	2020	5778.80948			20220531_EEA
AT	Austria	IPCC Common Reporting Format	All greenhouse gases - (CO2 equivalent)	1.A.1.b	1.A.1.b - Petroleum Refining	1.A.1	Gg CO2 equivalent	1997	2644.77544			20220531_EEA
AT	Austria	IPCC Common Reporting Format	All greenhouse gases - (CO2 equivalent)	1.A.1.b	1.A.1.b - Petroleum Refining	1.A.1	Gg CO2 equivalent	2002	2570.42336			20220531_EEA
AT	Austria	IPCC Common Reporting Format	All greenhouse gases - (CO2 equivalent)	1.A.1.b	1.A.1.b - Petroleum Refining	1.A.1	Gg CO2 equivalent	2003	2693.1776			20220531_EEA
AT	Austria	IPCC Common Reporting Format	All greenhouse gases - (CO2 equivalent)	1.A.1.b	1.A.1.b - Petroleum Refining	1.A.1	Gg CO2 equivalent	2015	2810.85486			20220531_EEA
AT	Austria	IPCC Common Reporting Format	All greenhouse gases - (CO2 equivalent)	1.A.1.b	1.A.1.b - Petroleum Refining	1.A.1	Gg CO2 equivalent	2020	2738.01119			20220531_EEA
AT	Austria	IPCC Common Reporting Format	All greenhouse gases - (CO2 equivalent)	1.A.1.c	1.A.1.c - Manufacture of Solid Fuels and Other Ener	1.A.1	Gg CO2 equivalent	1992	523.34484			20220531_EEA
AT	Austria	IPCC Common Reporting Format	All greenhouse gases - (CO2 equivalent)	1.A.1.c	1.A.1.c - Manufacture of Solid Fuels and Other Ener	1.A.1	Gg CO2 equivalent	1996	261.73791			20220531_EEA
AT	Austria	IPCC Common Reporting Format	All greenhouse gases - (CO2 equivalent)	1.A.1.c	1.A.1.c - Manufacture of Solid Fuels and Other Ener	1.A.1	Gg CO2 equivalent	2001	245.94479			20220531_EEA
AT	Austria	IPCC Common Reporting Format	All greenhouse gases - (CO2 equivalent)	1.A.1.c	1.A.1.c - Manufacture of Solid Fuels and Other Ener	1.A.1	Gg CO2 equivalent	2007	264.84198			20220531_EEA
AT	Austria	IPCC Common Reporting Format	All greenhouse gases - (CO2 equivalent)	1.A.1.c	1.A.1.c - Manufacture of Solid Fuels and Other Ener	1.A.1	Gg CO2 equivalent	2017	259.91603			20220531_EEA
AT	Austria	IPCC Common Reporting Format	All greenhouse gases - (CO2 equivalent)	1.A.1.c	1.A.1.c - Manufacture of Solid Fuels and Other Ener	1.A.1	Gg CO2 equivalent	2020	290.47997			20220531_EEA
AT	Austria	IPCC Common Reporting Format	All greenhouse gases - (CO2 equivalent)	1.A.2	1.A.2 - Manufacturing Industries and Construction	1.AA	Gg CO2 equivalent	1994	10366.19639			20220531_EEA
AT	Austria	IPCC Common Reporting Format	All greenhouse gases - (CO2 equivalent)	1.A.2	1.A.2 - Manufacturing Industries and Construction	1.AA	Gg CO2 equivalent	1996	10850.06373			20220531_EEA
AT	Austria	IPCC Common Reporting Format	All greenhouse gases - (CO2 equivalent)	1.A.2	1.A.2 - Manufacturing Industries and Construction	1.AA	Gg CO2 equivalent	2001	10112.93865			20220531_EEA
AT	Austria	IPCC Common Reporting Format	All greenhouse gases - (CO2 equivalent)	1.A.2	1.A.2 - Manufacturing Industries and Construction	1.AA	Gg CO2 equivalent	2017	10744.22513			20220531_EEA
AT	Austria	IPCC Common Reporting Format	All greenhouse gases - (CO2 equivalent)	1.A.2.a	1.A.2.a - Iron and Steel	1.A.2	Gg CO2 equivalent	1995	1510.74508			20220531_EEA
AT	Austria	IPCC Common Reporting Format	All greenhouse gases - (CO2 equivalent)	1.A.2.a	1.A.2.a - Iron and Steel	1.A.2	Gg CO2 equivalent	2003	1832.86132			20220531_EEA
AT	Austria	IPCC Common Reporting Format	All greenhouse gases - (CO2 equivalent)	1.A.2.a	1.A.2.a - Iron and Steel	1.A.2	Gg CO2 equivalent	2010	1427.07327			20220531_EEA
AT	Austria	IPCC Common Reporting Format	All greenhouse gases - (CO2 equivalent)	1.A.2.a	1.A.2.a - Iron and Steel	1.A.2	Gg CO2 equivalent	2015	1419.04845			20220531_EEA
AT	Austria	IPCC Common Reporting Format	All greenhouse gases - (CO2 equivalent)	1.A.2.a	1.A.2.a - Iron and Steel	1.A.2	Gg CO2 equivalent	2019	1832.61994			20220531_EEA
AT	Austria	IPCC Common Reporting Format	All greenhouse gases - (CO2 equivalent)	1.A.2.b	1.A.2.b - Non-Ferrous Metals	1.A.2	Gg CO2 equivalent	1992	126.7865			20220531_EEA

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