

Greenhouse gas emissions under the Effort Sharing Legislation, 2005-2023

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

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	European Environment Agency		Point of contact

Point of contact

No information provided.

Point of contact

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Point of contact

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Continents, countries, sea regions of the world.	<ul style="list-style-type: none"> Denmark Sweden Finland Austria Netherlands Germany France Malta Italy Czechia Romania Latvia Poland Lithuania Ireland Greece Slovakia Croatia Belgium Spain Portugal Luxembourg Estonia Cyprus Bulgaria EU27 (from 2020) Slovenia Hungary 															
Keywords																
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Other constraints	No limitations to public access															
Language of dataset	English															
Topic category	<ul style="list-style-type: none"> Environment 															
Begin date	2005-01-01															
End date	2023-12-31															
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OnLine resource	<table border="1"> <thead> <tr> <th>Protocol</th> <th>Linkage</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td>EEA:FOLDERPATH</td> <td>https://sdi.eea.europa.eu/webdav/datastore/public/eea_t_esd-2022_p_2005-2023_v01_r00/</td> <td></td> </tr> <tr> <td>WWW:URL</td> <td>https://sdi.eea.europa.eu/data/dfefe3ff-da22-401c-9961-a5543d884327</td> <td>Direct download</td> </tr> <tr> <td>WWW:LINK-1.0-http--link</td> <td>https://www.eea.europa.eu/en/analysis/indicators/progress-towards-national-greenhouse-gas</td> <td>EEA Indicator: Progress towards national greenhouse gas emissions targets in Europe</td> </tr> <tr> <td>WWW:LINK-1.0-http--link</td> <td>https://www.eea.europa.eu/en/analysis/maps-and-charts/emissions-trading-viewer-1-dashboards</td> <td>EU Emissions Trading</td> </tr> </tbody> </table>	Protocol	Linkage	Name	EEA:FOLDERPATH	https://sdi.eea.europa.eu/webdav/datastore/public/eea_t_esd-2022_p_2005-2023_v01_r00/		WWW:URL	https://sdi.eea.europa.eu/data/dfefe3ff-da22-401c-9961-a5543d884327	Direct download	WWW:LINK-1.0-http--link	https://www.eea.europa.eu/en/analysis/indicators/progress-towards-national-greenhouse-gas	EEA Indicator: Progress towards national greenhouse gas emissions targets in Europe	WWW:LINK-1.0-http--link	https://www.eea.europa.eu/en/analysis/maps-and-charts/emissions-trading-viewer-1-dashboards	EU Emissions Trading
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WWW:LINK-1.0-http--link	https://www.eea.europa.eu/en/analysis/indicators/progress-towards-national-greenhouse-gas	EEA Indicator: Progress towards national greenhouse gas emissions targets in Europe														
WWW:LINK-1.0-http--link	https://www.eea.europa.eu/en/analysis/maps-and-charts/emissions-trading-viewer-1-dashboards	EU Emissions Trading														

OnLine resource

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OnLine resource	Protocol DOI	Linkage https://doi.org/10.2909/dfefe3ff-da22-401c-9961-a5543d884327	Name
Hierarchy level	Dataset		
Statement	<p>This data is based on the official GHG inventories submitted by the 27 EU Member States to the EEA, as well as on the projected GHG emissions submitted by the Member States under the Governance Regulation. EU ETS emissions, as reported to the European Commission by operators of industrial installations and aircraft, are also used. When available, approximate estimates of GHG emissions for the year (X - 1) are also presented.</p> <p>EEA supports the European Commission by preparing a comprehensive review of the data which feeds into this dataset.</p>		

Metadata

File identifier	dfefe3ff-da22-401c-9961-a5543d884327 XML		
Metadata language	English		
Character set	UTF8		
Hierarchy level	Tabular dataset		
Hierarchy level name	Tabular dataset		
Date stamp	2024-12-04T09:27:13.198269Z		
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Metadata standard version	1.0		
Metadata author	Organisation name	Individual name	Electronic mail address Website Role
	European Environment Agency		sdi@eea.europa.eu Point of contact

Overviews

Geographic entity	Year	From GHG inventory, ETS data and ETS scope correction										Effort Sharing Decision										Effort Sharing Regulation									
																						2022 EEA									
ESD baseyear	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021 proxy	2023	2024	2025	2026	2027	2028	2029	2030						
Austria		55.88	54.47	52.35	51.78	50.06	51.27	49.48	49.03	50.10	48.19	49.30	50.62	51.65	50.34	50.22	46.54	48.80	45.89												
Belgium		78.84	77.69	76.76	79.20	75.82	78.89	73.52	73.94	74.26	70.05	72.72	74.06	70.82	74.25	72.01	64.90	69.54	66.78												
Bulgaria		24.15	24.85	25.64	25.31	23.05	24.25	23.14	23.24	22.24	22.90	25.35	25.59	26.53	26.34	25.81	25.74	25.04	22.74												
Croatia		17.20	17.53	17.96	17.88	17.14	17.37	17.19	16.28	15.13	14.66	15.57	16.01	16.67	16.22	16.06	16.52	17.43	16.96												
Cyprus		4.14	4.22	4.42	4.46	4.44	4.42	4.56	4.25	3.94	3.92	4.06	4.11	4.27	4.16	4.38	4.24	4.43	4.37												
Czechia		63.06	63.35	61.04	63.51	60.85	62.04	61.99	62.91	61.46	57.62	61.28	62.82	62.40	60.62	60.54	58.65	61.15	59.22												
Denmark		40.40	40.37	40.47	39.75	38.05	38.36	36.95	36.68	33.71	32.64	32.52	33.12	32.68	33.14	32.05	30.84	32.15	31.96												
Estonia		6.28	6.15	6.52	6.50	6.19	6.66	6.32	6.48	5.75	6.08	6.14	6.22	6.21	6.12	6.21	5.93	5.76	5.96												
Finland		34.01	34.05	34.48	33.07	31.98	33.47	31.92	31.98	31.59	30.15	29.89	31.36	30.06	29.92	29.64	28.12	27.46	26.68												
France		392.26	387.21	378.98	381.99	373.46	375.01	361.53	365.37	366.12	353.53	353.01	351.92	352.80	342.20	336.36	307.77	323.42	314.55												
Germany		489.30	473.45	434.75	460.41	441.50	453.56	434.57	438.77	460.20	436.79	444.08	454.16	466.87	434.05	444.26	407.41	404.54	390.54												
Greece		62.25	59.73	59.64	59.24	58.26	55.94	53.99	48.34	44.18	44.41	45.45	44.90	45.45	44.69	44.74	42.89	43.92	44.97												
Hungary		47.16	46.82	44.56	44.31	42.94	43.02	41.82	39.62	38.44	38.42	41.44	42.06	43.14	43.25	44.89	43.91	46.60	44.22												
Ireland		47.41	47.48	46.92	47.33	44.74	44.17	41.60	41.51	42.21	41.66	43.04	43.80	43.83	45.38	45.58	44.72	46.77	46.08												
Italy		340.51	333.35	329.48	329.12	310.04	315.30	304.99	297.13	273.35	265.28	273.28	270.69	270.15	278.73	274.94	254.00	284.44	279.64												
Latvia		8.07	8.46	9.00	8.65	8.22	8.56	8.08	8.08	8.78	9.02	9.01	9.11	9.24	9.13	8.65	8.44	8.67	8.36												
Lithuania		11.18	11.59	13.66	12.87	11.10	11.45	12.58	12.71	12.45	12.92	13.25	13.92	14.13	14.28	14.30	14.04	14.31	14.22												
Luxembourg		10.09	9.81	9.38	9.74	9.12	9.63	9.71	9.54	9.37	8.86	8.61	8.52	8.74	9.08	9.24	7.69	8.07	7.08												
Malta		1.01	1.05	1.10	1.05	0.99	1.06	1.02	1.08	1.25	1.29	1.30	1.33	1.43	1.38	1.43	1.31	1.36	1.38												
Netherlands		121.32	120.03	116.48	120.40	117.35	125.64	116.06	115.47	108.25	97.89	101.12	101.33	102.33	99.73	97.10	90.20	93.50	85.48												
Poland		183.80	182.66	182.48	187.26	185.29	204.05	189.91	188.71	186.10	181.54	186.77	186.66	211.51	213.03	209.08	205.09	207.85	200.58												
Portugal		47.00	45.57	45.16	44.89	43.59	43.48	41.39	39.24	38.61	38.84	40.61	41.57	40.19	40.57	41.53	38.54	40.15	40.48												
Romania		74.91	76.30	73.07	76.66	70.99	68.03	71.09	72.80	72.72	72.53	74.56	73.12	75.36	77.65	75.21	77.12	82.96	79.00												
Slovakia		21.51	20.71	20.18	21.78	21.48	22.37	21.36	20.35	21.08	19.78	20.08	19.76	21.25	21.07	20.09	18.88	20.37	20.34												
Slovenia		11.71	11.81	11.79	12.82	11.47	11.64	11.63	11.36	10.93	10.47	10.72	11.24	10.88	11.03	10.81	9.75	10.42	11.10												
Spain		238.13	241.81	246.25	235.58	223.00	224.54	213.52	204.20	200.28	199.76	196.15	198.47	201.11	203.03	201.88	184.19	194.99	194.41												
Sweden		42.72	41.78	41.87	40.20	38.90	39.65	38.33	37.29	35.28	34.52	33.90	32.61	32.53	31.40	31.68	29.38	28.15	27.48												
EU-27		2,454.41	2,452.32	2,394.32	2,425.77	2,390.05	2,378.85	2,288.25	2,265.35	2,227.75	2,153.75	2,193.21	2,211.09	2,252.21	2,220.80	2,208.70	2,066.82	2,153.25	2,090.46												

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