

Industrial Reporting under the Industrial Emissions Directive 2010/75/EU and European Pollutant Release and Transfer Register Regulation (EC) No 166/2006 - ver. 12.0 Sep. 2024 (Tabular data)

This metadata refers to the geospatial dataset representing the status of the EEA Industrial Reporting database as of 10 July 2024 (version 12). The release and emissions data cover the period 2007-2022 as result of the data reported under the E-PRTR facilities, 2017-2022 for IED installations and WI/co-WIs, and 2016-2022 for LCPs. These data are reported to EEA under Industrial Emissions Directive (IED) 2010/75/EU Commission Implementing Decision 2018/1135 and the European Pollutant Release and Transfer Register (E-PRTR) Regulation (EC) No 166/2006 Commission Implementing Decision 2019/1741. The dataset brings together data formerly reported separately under E-PRTR Regulation Art.7 and under IED Art.72. Additional reporting requirements under the IED are also included.

This version address a technical issue which did not included emissions and energy input from LCP for 2017 from France. This data is now included in version 12 of the database.

Simple

Date (Creation)	2024-09-01
Date (Publication)	2024-09-13
Edition	12.00
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Point of contact

No information provided.

Point of contact

No information provided.

Point of contact

No information provided.

Point of contact

No information provided.

Point of contact

No information provided.

Maintenance and update frequency	Annually
GEMET - INSPIRE themes, version 1.0	<ul style="list-style-type: none"> Production and industrial facilities
Keywords	
Keywords	
GEMET	<ul style="list-style-type: none"> large combustion plant industrial environmental policy industry pollutant emission EC directive industrial site

	<ul style="list-style-type: none"> • industrial structure • pollutant • pollutant monitoring • energy • industrial installation • EC policy • waste incineration • waste incineration plant • air pollution • industrial plant (building) • industrial emission • waste incinerator • industrial legislation
Continents, countries, sea regions of the world.	<ul style="list-style-type: none"> • France • Croatia • Greece • Germany • Estonia • Serbia • Finland • Ireland • Switzerland • Portugal • Latvia • Romania • Poland • Sweden • Denmark • Liechtenstein • Belgium • Lithuania • Austria • United Kingdom • Malta • Italy • Slovenia • Spain • Luxembourg • Bulgaria • Hungary • Czechia • Cyprus • Netherlands • Iceland
Spatial scope	<ul style="list-style-type: none"> • European
EEA topics	<ul style="list-style-type: none"> • Energy • Industry • Air pollution
INSPIRE priority data set	<ul style="list-style-type: none"> • Sites and facilities (European Pollutant Release and Transfer Register) • Large combustion plants (Industrial Emissions Directive) • Actual pollutant releases (European Pollutant Release and Transfer Register) • Installations (Industrial Emissions Directive) • Directive 2010/75/EU • Emissions (Industrial Emissions Directive) • Regulation (EC) 166/2006

	<ul style="list-style-type: none"> Industrial sites - EU Registry (Industrial Emissions Directive) Industrial sites - EU Registry (European Pollutant Release and Transfer Register)
Reporting obligations	<ul style="list-style-type: none"> E-PRTR and LCP integrated data reporting EU Registry on Industrial Sites
EEA Management Plan	<ul style="list-style-type: none"> 2024 3.1.2
Access constraints	Other restrictions
Other constraints	public access limited according to Article 13(1)(a) of the INSPIRE Directive
Use constraints	Other restrictions
Other constraints	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 (http://www.eea.europa.eu/legal/copyright). Copyright holder: European Environment Agency (EEA).
Aggregate Datasetidentifier	782307b9-386a-44b4-bcbf-192d36be40df
Association Type	revision of
Aggregate Datasetidentifier	4cfcdff4-0741-48f8-a73b-8e794597fe54
Association Type	Cross reference
Spatial representation type	Vector
Language of dataset	English
Topic category	<ul style="list-style-type: none"> Environment

Begin date	2007-01-01		
End date	2022-12-31		
Additional Information	<p>This dataset is based on information reported on two separate reporting obligations (EU Registry and E-PRTR/LCP). The update frequency is annually as a minimum.</p> <p>A number of reporting countries have to date not submitted some of the most recent data. For additional information please refer to the metadata document.</p> <ul style="list-style-type: none"> - Norway did not report data under the EU Registry (2017 onwards). Historical data have been included through an internal EEA mapping exercise. - Data for Liechtenstein is incomplete for the period 2018-2022 - Data for Malta is incomplete for the period 2020-2022 - Data for Czechia is incomplete for 2022 - Northern Ireland was reported as part of the United Kingdom (2007-2020). From 2021 Northern Ireland will be a region of the United Kingdom that will be reported as part of the Northern Ireland protocol. <p>The dataset will be updated and a new version will be made available as soon as missing reporting data has been submitted.</p>		
Distribution format	<ul style="list-style-type: none"> • Microsoft Excel (.xls, .xlsx) () • Microsoft Access (.mdb, .accdb) () • ascii (.csv, .txt, .sql) () 		
OnLine resource	<p>Protocol</p> <p>EEA:FOLDERPATH</p> <p>WWW:URL</p> <p>WWW:DOWNLOAD-1.0-http--download</p>	<p>Linkage</p> <p>https://sdi.eea.europa.eu/webdav/datastore/public/eea_t_jed-eptr_p_2007-2022_v12_r00/</p> <p>https://sdi.eea.europa.eu/data/cf5e54c1-be99-4426-bcad-baa26c4f27a0</p> <p>https://sdi.eea.europa.eu/catalogue/srv/api/records/cf5e54c1-be99-4426-bcad-baa26c4f27a0/attachments/EEA_Industrial_Reporting_Metadata_v12.pdf</p>	<p>Name</p> <p>Direct download</p> <p>Industrial Reporting database metadata documentation</p>

OnLine resource

No information provided.

OnLine resource	<p>Protocol</p> <p>DOI</p>	<p>Linkage</p> <p>https://doi.org/10.2909/cf5e54c1-be99-4426-bcad-baa26c4f27a0</p>	<p>Name</p>
Hierarchy level	Tabular dataset		
Statement	<p>Management of historical data reported to E-PRTR Regulation (2007-2017) and former LCP database (2016 - 2017) and their inclusion in the industrial database.</p> <p>The European Environment Agency (EEA), in collaboration with the European Topic Centre for Air and Noise (ETC/ATNI), has undertaken a significant initiative to convert historical pollution data into a new, standardised format. This section outlines the key steps involved in this process.</p> <p>Data Sources</p> <p>* European Pollutant Release and Transfer Register (E-PRTR): Data on pollutant releases and transfers for reporting years 2007 to 2017.</p>		

* Industrial Emissions Directive (IED): Data on fuel inputs and emissions for Large Combustion Plants (LCPs) for reporting years 2016 and 2017.

* EU Registry: Administrative data on facilities (available from 2017 onwards).

Data Mapping Methodology

Establishing a Time-Consistent Foundation (Revised in 2023): The initial methodology utilised data reported for the year 2017 under the EU Registry, E-PRTR, and LCPs as the foundation for mapping between the old and new reporting systems. In 2023, the EEA refined this approach to ensure greater temporal consistency for industrial entities. Presently, a search is conducted across EU Registry data from 2017 to 2021 to identify match using either the NationalId (facility) or PlantID (LCP). This expanded search window guarantees a more comprehensive and time-consistent linkage between facilities and the corresponding data reported under the various systems. Additionally, for LCP data, a direct match between the E-PRTR NationalId reported in the old LCP database and the facility in the EU Registry is performed to establish a clear connection between the LCP and the relevant facility.

Integration of Historical Data (2024Update): Thematic data on pollutant releases, transfers, and waste transfers reported under the E-PRTR from 2007 to 2017 were incorporated. Data on fuel inputs and emissions from LCPs for reporting years 2016 and 2017 were also included.

Data Enhancements: In 2023, Germany, Ireland, and Slovakia resubmitted updated EU Registry data from 2017. A new set of unique identifiers (Inspire IDs) was provided by Slovakia. A revised mapping file was developed to facilitate the integration of the updated EU Registry data with the previously employed reporting format.

Significance: This comprehensive data mapping exercise ensures that historical pollution data from various sources is now accessible in a consistent and standardised format, facilitating improved analysis and reporting within the European Union.

We would appreciate your feedback regarding the user-friendliness of the database provided. Your feedback regarding for example the queries included for your convenience would be very much appreciated.

Units

Pollutant releases and transfers (kg/year)

- Waste transfers (t/year)

- Total energy input, related to net calorific value (TJ/year)

- SO₂, NO_x and dust emissions from LCPs (t/year)

- Rated thermal input (MWth)

- Nominal and permitted capacities of Waste Incinerator and Co-Waste Incinerator (t/h)

Metadata

File identifier	cf5e54c1-be99-4426-bcad-baa26c4f27a0 XML								
Metadata language	English								
Character set	UTF8								
Hierarchy level	Tabular dataset								
Hierarchy level name	Tabular dataset								
Date stamp	2024-09-13T12:59:33.782414Z								
Metadata standard name	ISO 19115/19139								
Metadata standard version	1.0								
Metadata author	<table border="0"><thead><tr><th>Organisation name</th><th>Individual name</th><th>Electronic mail address</th><th>Website Role</th></tr></thead><tbody><tr><td>European Environment Agency</td><td></td><td>sdi@eea.europa.eu</td><td>Point of contact</td></tr></tbody></table>	Organisation name	Individual name	Electronic mail address	Website Role	European Environment Agency		sdi@eea.europa.eu	Point of contact
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Overviews

CountryName	pollutant	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Austria	1,2-dichloroethane (DCE-1,2)	3300	3310	2550	3220	2820	2970	2970	3160	3170	3300	3300				
Austria	Ammonia (NH3)	254400	282900	231700	194600	210200	169900	147100	161800	121500	136300	133300	237900	288400	311100	159700
Austria	Arsenic and compounds (as As)									23	20.1					
Austria	Benzene	6050	7880	9070	3800	4240	4240	4010	3910	3820	3760		4660			
Austria	Cadmium and compounds (as Cd)	15.3			14.6	17.1	40.1	27.2	15.5	40.9	136.5	147.9	83.8	47.3	29.7	16.9
Austria	Carbon dioxide (CO2)	3443800000	3693000000	3109300000	3492000000	3442900000	3394600000	3257200000	3083600000	3271500000	3189300000	2257000000	3040200000	2452200000	1974000000	2020600000
Austria	Carbon monoxide (CO)	163261000	144793000	134990000	124908000	136169000	137050000	144702000	152779000	164138000	161331000	83042000	142909000	81967000	69867000	92962000
Austria	Chlorine and inorganic compounds (as Cl2)	353200	40100	40900	33100	70700	65100	155200	126300	146500	65200	25500	55700	11100		11700
Austria	Chromium and compounds (as Cr)	268	389		871	200	200	150		442		397	291	371		
Austria	Copper and compounds (as Cu)	380	380	458	458	488	410	450	101	694	1106	1119	530	290	146	261
Austria	Dichloromethane (DCM)	13000	10100	12000	6650	9680	15800	18000	8100	17500	12400	30300	12300	11300	9550	
Austria	Fluorine and inorganic compounds (as HF)				7000	6220	6140	8660		5890						
Austria	Halons															437
Austria	Hydro-fluorocarbons (HFCs)		242	351	314	177	268	263	724	290	651	509	821	548		405
Austria	Hydrochlorofluorocarbons (HCFCs)	1169	1217	1703	652	293	279	552	633							
Austria	Hydrogen cyanide (HCN)	2426	2396	1193	846	846	846	846	846	846	846	846	846	846		
Austria	Lead and compounds (as Pb)	2679	1636	834	1415	1769	1541	2723	2504	2624	1384	1347	929	677		
Austria	Mercury and compounds (as Hg)	461.6	334.6	255.1	331.8	327.1	348.8	347.7	408.7	540.9	468.5	279.6	497.1	241.4	230.9	242.7
Austria	Methane (CH4)	20953000	18584000	13528000	13735000	13277000	11387000	10477000	9247000	8340000	7096000	6626000	6213000	5477000	6407000	4178000
Austria	Naphthalene							849	101						1140	153
Austria	Nickel and compounds (as Ni)	399	352	177	716	284	303	297.4	236	420.2	629.3	370.4	321.8	277.3	153.8	122.5
Austria	Nitrogen oxides (NOx)	25687000	22873000	19103000	20383000	19241000	18395000	17371000	16146000	17009000	15383000	11561000	14342000	12184000	9881000	10016000
Austria	Nitrous oxide (N2O)	920000	1098600	563300	237400	187500	201800	201900	192600	194500	192000	25000	39800	39600	211400	37400
Austria	Non-methane volatile organic compounds	3457000	3206000	2790000	3131000	3209000	3204000	3221000	3639000	4290000	4508000	4285000	5147000	4086000	3000000	2801000
Austria	PCDD+PCDF (dioxins + furans) (as Teq)	0.00232	0.00176	0.00137	0.00164	0.00139	0.00153	0.00162	0.00193	0.00125	0.00138	0.00014	0.00101	0.00019		
Austria	Particulate matter (PM10)	1177300	863800	707600	1138900	1296100	1349700	1435400	1462300	1509000	1356400	809000	1058800	906100	826700	848100
Austria	Polycyclic aromatic hydrocarbons (PAH 75.8)		135	93	124			126	119	109	103					134
Austria	Sulphur hexafluoride (SF6)															312
Austria	Sulphur oxides (SOx)	11475000	7939900	6530000	8061000	7417000	7779000	7169000	7349000	7012000	7011000	2426000	6106000	2713000	1678000	2610000
Austria	Zinc and compounds (as Zn)	13820	21460	6664	9934	8490	8960	13935	12389	15517	12753	4287	9157	1756	530	2538
Belgium	1,1,1-trichloroethane (TCE-1,1,1)			143				144			442	132				
Belgium	1,1,2,2-tetrachloroethane (TETRACHLOROETHANE-1,1,2,2)			107	5263	2241								119	74.9	66.2
Belgium	1,2-dichloroethane (DCE-1,2)	41080	45060	58900	75770	23970	45300	26900	46200	29500	23440	39310	58230	23760	67880	60680
Belgium	Ammonia (NH3)	3047400	3640200	2448000	2704700	5084400	3481600	3369300	2654300	3715800	2504800	3166400	3638400	2727800	3183300	2735800
Belgium	Anthracene	4620	4740	1890	2860	2650	2250	1610	600							
Belgium	Arsenic and compounds (as As)	2501.3	1801.2	1045.2	1008.3	806	713.4	517.9	311.6	411.5	226	201.5	260.5	318.1	289	221.2
Belgium	Benzene	641520	500250	230070	319040	305420	243370	189350	121380	80600	73190	53330	65360	50610	59000	64100
Belgium	Benzol(g,h,i)perylene	1017.654	1339.46525	685.666913	842.408214	750.038813	521.769121	357.58304	136.685322	1.0376	1.51073	1.1244	0.95637	0.76323	0.84548	
Belgium	Cadmium and compounds (as Cd)	1201.5	1497.2	495.1	778.5	670.6	387.6	346.3	232.8	568.8	1497.4	306	193.7	218.1	146.2	180.7
Belgium	Carbon dioxide (CO2)	5680400000	5999100000	4876100000	5375000000	5020900000	4751000000	4436000000	4274500000	4519800000	4495100000	3446500000	4474400000	4112200000	4638400000	
Belgium	Carbon monoxide (CO)	376131000	403220000	178551000	248460000	187426000	312250000	299011000	187460000	180209000	163093000	198253000	157963000	191610000	117790000	114670000
Belgium	Chlorine and inorganic compounds (as Cl2)	1160500	1160500	563700	704400	630100	680000	507000	557300	385400	469100	569400	574400	421700	386638	453700
Belgium	Chlorofluorocarbons (CFCs)	3005.5	15.5	55.4	131.5	225	16.5	77	2	6.8	28	2				
Belgium	Chromium and compounds (as Cr)	15569	12913	7463	7337	5789	7526	2548	2541	3023	2876	1105	1007	1062	1240	1183
Belgium	Copper and compounds (as Cu)	3982	5174	2191	3636	2925	2094	1744	1557	1517	1716	1454	721	951	1589	1539
Belgium	Di-(2-ethyl hexyl) phthalate (DEHP)	2740.8	2096.5	254.4	1199	1412.6	1978.8	439	72.5	355.4	138	26.6	41.3	25.7	52.8	247
Belgium	Dichloromethane (DCM)	228200	229920	217450	138200	261810	186990	43620	79950	122380	42350	31110	21100	18300	16700	19200

Provided by

