EEA geospatial data catalogue

European Union Emissions Trading System (EU ETS) data from the Union Registry, Sep. 2026

This is the metadata for the EU Emission Trading System (EU ETS). EU ETS aims to reduce greenhouse gas emissions cost-effectively by setting a cap on the total amount of emissions from covered sectors. These sectors include power and heat generation, energy-intensive industries aviation and shipping within the European Economic Area. Under the system, companies receive or purchase emission allowances, each permitting the release of one tonne of CO or equivalent gases. Businesses can trade these allowances, creating a financial incentive to reduce emissions. If a company emits less than its allowance, it can sell the surplus; if it exceeds the cap, it must buy more or face penalties. The cap is reduced annually, ensuring a steady decline in emissions over time. The system has gone through several phases, with the current Phase 4 running from 2021 to 2030. It also supports innovation and investment in low-carbon technologies through dedicated funds. Overall, the EU ETS plays a key role in helping the EU reach its climate neutrality goal by 2050.

Data about the EU emission trading system (ETS). The EU ETS data viewer provides aggregated data on emissions and allowances, by country, sector and year. The data mainly comes from the Union Registry. Additional information on auctioning and scope corrections is included.

Simple

Identification info

Date (Creation)	2026-09-01T12:24:36+00:00
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Identifier

Code	10.2909/9eee3fc9-3060-4e3f-bc8d-e22e7c3f6bda
Codespace	doi.org
Description	Digital Object Identifier (DOI)

Point of contact

Organisation	Individual	Electronic mail address	Website	Role
OEKO				Point of contact
European Environment Agency				Point of contact
European Environment Agency			http://www.eea.europa.eu#organization	Publisher
European Topic Centre on Climate change mitigation (ETC/CM)			http://acm.eionet.europa.eu	Processor

Topic category

- Environment

Extent

Temporal extent

Time period	2005-01-01 2025-12-31
Maintenance and update frequency	Annually

EEA topics	• Climate change mitigation: reducing emissions • Industry • Energy
GEMET	• climate • climate policy
Continents, countries, sea regions of the world.	• Belgium • Netherlands • Denmark • Bulgaria • Cyprus • Romania • Slovenia • Malta • France • Greece • Liechtenstein • Sweden • Slovakia • Northern Ireland • Iceland • Poland • Lithuania • Luxembourg • Germany • Czechia • Estonia • Austria • Ireland • Spain • Croatia • Portugal • Finland • Latvia • Hungary • Italy • Norway

Resource constraints

Use limitation	License CC-BY 4.0 (https://creativecommons.org/licenses/by/4.0/). Copyright holder: European Commission, European Environment Agency (EEA).

Resource constraints

Access constraints	Other restrictions
Other constraints	No limitations to public access

Associated resource

Association Type	Cross reference
Metadata Reference	• ../../proxy?url=https%3A%2F%2Fwww.eionet.europa.eu%2Fetcs%2Fetc-cm%2Fproducts%2Fetc-cm-report-2024-09

Associated resource

Association Type	Cross reference
Metadata Reference	• https://www.eea.europa.eu/en/analysis/publications/trends-and-projections-in-europe-2024

Language	English
Additional Information	The EU Emissions Trading System (ETS) is a central instrument of the EU's policy to fight climate change and achieve cost-efficient reductions of greenhouse gas emissions. It is the world's biggest carbon market. Related websites:

	https://ec.europa.eu/clima/ets/ https://climate.ec.europa.eu/eu-action/eu-emissions-trading-system-eu-ets_en

Distribution Information

Distribution format	• ascii (.csv, .txt, .sql)
OnLine resource	https://sdi.eea.europa.eu/webdav/datastore/public/eea_t_eu-emission-trading-scheme_p_2005-2025_v03_r00
OnLine resource	Direct download
OnLine resource	EU Emissions Trading System (ETS) data viewer Dashboard
OnLine resource	Greenhouse gas emissions under the EU Emissions Trading System EEA Indicator
OnLine resource	Use of auctioning revenues generated under the EU Emissions Trading System EEA Indicator
OnLine resource	Mapping of activity codes EEA Code list
OnLine resource	EU ETS data viewer user manual EEA Documentation
OnLine resource	EU ETS System viewer background note EEA Documentation
OnLine resource	EU-ETS data quality Data quality checks for the update of the EEA EU ETS data viewer
OnLine resource	Digital Object Identifier (DOI)

Resource lineage

Statement	See EU ETS data viewer manual (under direct download/documents) for methodology. This data set is mainly based on data downloaded from the Union Registry public website on 1st September 2026. The Union Registry checks and records all transactions taking place within the trading system. It is run by the European Commission. See: https://ec.europa.eu/clima/ets/. The data set also includes information on auctions of allowances, compiled from auctioning platforms, as well as EEA estimates of ETS emissions for the period 2005 to 2020, to reflect the current scope of the ETS for the fourth trading period (2021-2030).
Hierarchy level	Dataset

Metadata

Metadata identifier	9eee3fc9-3060-4e3f-bc8d-e22e7c3f6bda
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://doi.org/10.2909/9eee3fc9-3060-4e3f-bc8d-e22e7c3f6bda
Date info (Creation)	2026-09-21T07:09:26.053739Z
Date info (Revision)	2026-10-29T17:11:59.059864Z

Metadata standard

Title	ISO 19115-3:2018
Edition	1.0

Overviews

version	country_code	main_activity_code	active_installation	citl_information	year	size	value	unit
82	AT	10	all entities	1. Total allocated allowances (EUA or EUAA)	2005	All sizes	0	units
82	AT	20	all entities	1. Total allocated allowances (EUA or EUAA)	2005	All sizes	14362552	units
82	AT	20-99	all entities	1. Total allocated allowances (EUA or EUAA)	2005	All sizes	32412654	units
82	AT	21	all entities	1. Total allocated allowances (EUA or EUAA)	2005	All sizes	2720740	units
82	AT	21-99	all entities	1. Total allocated allowances (EUA or EUAA)	2005	All sizes	18050102	units
82	AT	22	all entities	1. Total allocated allowances (EUA or EUAA)	2005	All sizes	1330079	units
82	AT	24	all entities	1. Total allocated allowances (EUA or EUAA)	2005	All sizes	6869261	units
82	AT	29	all entities	1. Total allocated allowances (EUA or EUAA)	2005	All sizes	2755179	units
82	AT	30	all entities	1. Total allocated allowances (EUA or EUAA)	2005	All sizes	1320288	units
82	AT	31	all entities	1. Total allocated allowances (EUA or EUAA)	2005	All sizes	215476	units
82	AT	32	all entities	1. Total allocated allowances (EUA or EUAA)	2005	All sizes	498797	units
82	AT	35	all entities	1. Total allocated allowances (EUA or EUAA)	2005	All sizes	661812	units
82	AT	36	all entities	1. Total allocated allowances (EUA or EUAA)	2005	All sizes	1596970	units
82	AT	42	all entities	1. Total allocated allowances (EUA or EUAA)	2005	All sizes	81500	units
82	AT	10	all entities	1. Total allocated allowances (EUA or EUAA)	2006	All sizes	0	units
82	AT	20	all entities	1. Total allocated allowances (EUA or EUAA)	2006	All sizes	14362552	units
82	AT	20-99	all entities	1. Total allocated allowances (EUA or EUAA)	2006	All sizes	32649366	units
82	AT	21	all entities	1. Total allocated allowances (EUA or EUAA)	2006	All sizes	2720740	units
82	AT	21-99	all entities	1. Total allocated allowances (EUA or EUAA)	2006	All sizes	18286814	units
82	AT	22	all entities	1. Total allocated allowances (EUA or EUAA)	2006	All sizes	1330079	units
82	AT	24	all entities	1. Total allocated allowances (EUA or EUAA)	2006	All sizes	6869261	units
82	AT	29	all entities	1. Total allocated allowances (EUA or EUAA)	2006	All sizes	2810835	units
82	AT	30	all entities	1. Total allocated allowances (EUA or EUAA)	2006	All sizes	1320288	units
82	AT	31	all entities	1. Total allocated allowances (EUA or EUAA)	2006	All sizes	215476	units
82	AT	32	all entities	1. Total allocated allowances (EUA or EUAA)	2006	All sizes	498797	units
82	AT	35	all entities	1. Total allocated allowances (EUA or EUAA)	2006	All sizes	661812	units
82	AT	36	all entities	1. Total allocated allowances (EUA or EUAA)	2006	All sizes	1778026	units
82	AT	42	all entities	1. Total allocated allowances (EUA or EUAA)	2006	All sizes	81500	units
82	AT	10	all entities	1. Total allocated allowances (EUA or EUAA)	2007	All sizes	0	units
82	AT	20	all entities	1. Total allocated allowances (EUA or EUAA)	2007	All sizes	14442475	units
82	AT	20-99	all entities	1. Total allocated allowances (EUA or EUAA)	2007	All sizes	32729289	units
82	AT	21	all entities	1. Total allocated allowances (EUA or EUAA)	2007	All sizes	2720740	units
82	AT	21-99	all entities	1. Total allocated allowances (EUA or EUAA)	2007	All sizes	18286814	units
82	AT	22	all entities	1. Total allocated allowances (EUA or EUAA)	2007	All sizes	1330079	units
82	AT	24	all entities	1. Total allocated allowances (EUA or EUAA)	2007	All sizes	6869261	units
82	AT	29	all entities	1. Total allocated allowances (EUA or EUAA)	2007	All sizes	2810835	units
82	AT	30	all entities	1. Total allocated allowances (EUA or EUAA)	2007	All sizes	1320288	units
82	AT	31	all entities	1. Total allocated allowances (EUA or EUAA)	2007	All sizes	215476	units
82	AT	32	all entities	1. Total allocated allowances (EUA or EUAA)	2007	All sizes	498797	units
82	AT	35	all entities	1. Total allocated allowances (EUA or EUAA)	2007	All sizes	661812	units
82	AT	36	all entities	1. Total allocated allowances (EUA or EUAA)	2007	All sizes	1778026	units
82	AT	42	all entities	1. Total allocated allowances (EUA or EUAA)	2007	All sizes	81500	units
82	AT	10	all entities	1. Total allocated allowances (EUA or EUAA)	2008	All sizes	0	units
82	AT	20	all entities	1. Total allocated allowances (EUA or EUAA)	2008	All sizes	12700742	units
82	AT	20-99	all entities	1. Total allocated allowances (EUA or EUAA)	2008	All sizes	30718182	units
82	AT	21	all entities	1. Total allocated allowances (EUA or EUAA)	2008	All sizes	2725542	units
82	AT	21-99	all entities	1. Total allocated allowances (EUA or EUAA)	2008	All sizes	17440645	units

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