EEA geospatial data catalogue

PM2.5, European air quality data for 2025, (interpolated data), interim data, June 2026

The data set provides values for the human health related indicator of PM2.5 (annual average concentration) at 1 km2 grid combining up-to-date monitoring air quality data, chemical transport model results and other supplementary data in a ‘regression-interpolation-merging mapping’ methodology. It covers Europe for the year 2025.

The dataset for the 2025 PM2.5 annual average concentrations using validated air quality data will be published later in 2027

Simple

Identification info

Date (Creation)	2026-05-29
Date (Publication)	2026-05-29
Edition	01.00
Citation identifier	eea_r_3035_1_km_aq-interpolated-pm25_p_2025_v00_r00

Point of contact

Organisation	Individual	Electronic mail address	Website	Role
European Environment Agency		sdi@eea.europa.eu	http://www.eea.europa.eu	Point of contact
European Environment Agency		sdi@eea.europa.eu		Custodian

Spatial representation type	Grid

Spatial resolution

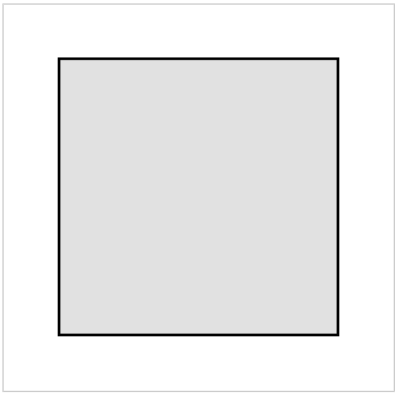
Spatial resolution	1 km

Topic category

- Environment

Extent

72.00	N	34.00	S	45.00	E	-25.00	W



Temporal extent

Time period	2025-01-01 2025-12-31

Extent

Maintenance and update frequency	Annually
GEMET - INSPIRE themes, version 1.0	• Environmental monitoring facilities • Human health and safety • Atmospheric conditions
GEMET	• air quality • traffic • atmospheric pollution • transboundary pollution • atmospheric particulate • atmospheric composition • troposphere • air quality monitoring
Continents, countries, sea regions of the world.	• San Marino • EEA38 (from 2020) • Monaco • Andorra
Spatial scope	• European
INSPIRE priority data set	• Measurement and modelling data (Air Quality Directive) • Monitoring stations (Air Quality Directive) • Directive 2008/50/EC
EEA topics	• Air pollution
Temporal resolution	• Annually
EU applicable legislations	• Directive (EU) 2024/2881 of the European Parliament and of the Council of 23 October 2024 on ambient air quality and cleaner air for Europe (recast)

Resource constraints

Access constraints	Other restrictions
Other constraints	no limitations to public access

Resource constraints

Use constraints	Other restrictions

Other constraints	License CC-BY 4.0 (https://creativecommons.org/licenses/by/4.0/). Copyright holder: European Environment Agency (EEA).

Associated resource

Association Type	Cross reference
Metadata Reference	• European air quality data for 2018 (interpolated data and station points), Feb. 2021
Language	English

Distribution Information

Distribution format	• GeoTIFF
OnLine resource	https://sdi.eea.europa.eu/webdav/datastore/public/eea_r_3035_1_km_aq-interpolated-pm25_p_2025_v00_r00
OnLine resource	Direct download

Data quality info

Hierarchy level	Dataset

Report

Result

Title	Commission Regulation (EU) No 1089/2010 of 23 November 2010 implementing Directive 2007/2/EC of the European Parliament and of the Council as regards interoperability of spatial data sets and services
Date (Publication)	2010-12-08
Explanation	See the referenced specification

Resource lineage

Statement	The data set and corresponding maps are derived primarily from the e-reporting Air Quality database, consisting of monitoring stations data reported to EEA, and some additional EMEP (European Monitoring and Evaluation Programme) station monitoring data, supplemented with, among others, altitude, meteorological ECMWF data, EMEP concentration modelling data and satellite data. These data sets and the corresponding maps are assessment tools for use at the European scale. They may show results which differ from assessments made at national scale and should not be used to check formal compliance with regulated standards. This data set is used to estimate population exposure to air pollution in 2025 for the EEA´s European Air quality city viewer. The methodology can be found in the 2025 ETC HE report 2025/4 "Interim air quality maps of EEA member and cooperating countries for 2024. PM, O3, and NO2 spatial estimates.", available at https://www.eionet.europa.eu/etcs/etc-he/products/etc-he-products/etc-he-reports/etc-he-report-2025-4-interim-air-quality-maps-of-eea-member-and-cooperating-countries-for-2024-pm-o3-and-no2-spatial-estimates (the corresponding 2026 report with the 2025 maps will be published at the end of 2026).
Hierarchy level	Dataset

Reference System Information

Reference System Information

Code	EPSG:3035

Metadata

Metadata identifier	078c8f19-b11e-414e-bb2e-f33c061ea958
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

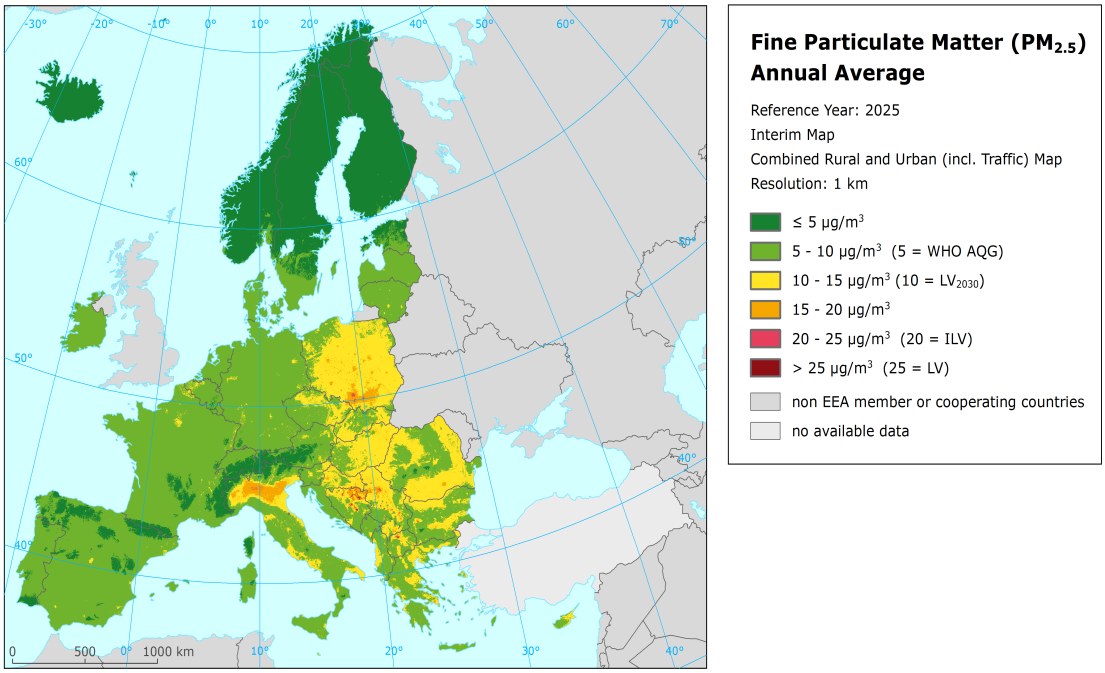
Resource type	Dataset

Metadata linkage	https://sdi.eea.europa.eu/catalogue/srv/api/records/078c8f19-b11e-414e-bb2e-f33c061ea958?language=all
Date info (Creation)	2026-05-29T12:38:00.553109Z
Date info (Revision)	2026-06-04T09:20:50.174879Z

Metadata standard

Title	ISO 19115/19139
Edition	1.0

Overviews



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