EEA geospatial data catalogue

PM2.5, European air quality data, (interpolated data)

The data set provides concentrations for the air pollutants PM2.5 at grid level combining monitoring air quality data in a ‘regression-interpolation-merging mapping’ methodology and the observational values of the air quality monitoring stations used in the interpolation. It covers Europe. It provides estimates for human health related indicators of pollutants PM2.5 (annual average (µg/m3)).

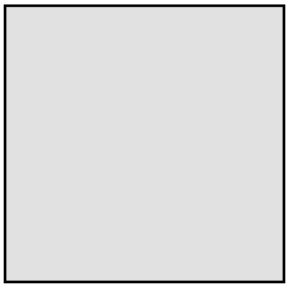
Simple

Identification info

Date (Publication)	2026-05-29
Spatial representation type	Grid
Topic category	• Environment

Extent

72.00	N	34.00	S	45.00	E	-25.00	W



Temporal extent

Time period	2007-01-01 2007-12-31

Temporal extent

Time period	2008-01-01 2008-12-31

Temporal extent

Time period	2010-01-01 2010-12-31

Temporal extent

Time period	2011-01-01 2011-12-31

Temporal extent

Time period	2012-01-01 2012-12-31

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Time period	2020-01-01 2020-12-31

Temporal extent

Time period	2021-01-01 2021-12-31

Temporal extent

Time period	2022-01-01 2022-12-31

Temporal extent

Time period	2023-01-01 2023-12-31

Temporal extent

Time period	2024-01-01 2024-12-31

Temporal extent

Time period	2025-01-01 2025-12-31
Continents, countries, sea regions of the world.	• Andorra • United Kingdom • Monaco • EEA38 (from 2020) • San Marino • San Marino • Monaco • Andorra • EEA38 (from 2020)
EEA topics	• Air pollution
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) • 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)
GEMET	• transboundary pollution • air quality monitoring • traffic • atmospheric particulate • troposphere • atmospheric pollution • air quality • atmospheric composition
GEMET - INSPIRE themes, version 1.0	• Atmospheric conditions • Environmental monitoring facilities • Human health and safety
INSPIRE priority data set	• Measurement and modelling data (Air Quality Directive) • Monitoring stations (Air Quality Directive) • Directive 2008/50/EC

	• Measurement and modelling data (Air Quality Directive) • Monitoring stations (Air Quality Directive) • Directive 2008/50/EC
Spatial scope	• European
Temporal resolution	• Annually • Annually

Associated resource

Association Type	Is composed of
Metadata Reference	• PM2.5, European air quality data for 2007, (interpolated data)

Associated resource

Association Type	Is composed of
Metadata Reference	• PM2.5, European air quality data for 2011, (interpolated data)

Associated resource

Association Type	Is composed of
Metadata Reference	• PM2.5, European air quality data for 2017, (interpolated data), Jan. 2020

Associated resource

Association Type	Is composed of
Metadata Reference	• PM2.5, European air quality data for 2008, (interpolated data)

Associated resource

Association Type	Is composed of
Metadata Reference	• PM2.5, European air quality data for 2016, (interpolated data), Apr. 2019

Associated resource

Association Type	Is composed of
Metadata Reference	• PM2.5, European air quality data for 2010, (interpolated data)

Associated resource

Association Type	Is composed of
Metadata Reference	• PM2.5, European air quality data for 2013, (interpolated data)

Associated resource

Association Type	Is composed of
Metadata Reference	• PM2.5, European air quality data for 2020, (interpolated data)

Associated resource

Association Type	Is composed of

Metadata Reference	• PM2.5, European air quality data for 2015, (interpolated data)

Associated resource

Association Type	Is composed of
Metadata Reference	• PM2.5, European air quality data for 2018, (interpolated data), Jan. 2021

Associated resource

Association Type	Is composed of
Metadata Reference	• PM2.5, European air quality data for 2012, (interpolated data)

Associated resource

Association Type	Is composed of
Metadata Reference	• PM2.5, European air quality data for 2019 (interpolated data), Mar. 2022

Associated resource

Association Type	Is composed of
Metadata Reference	• PM2.5, European air quality data for 2014, (interpolated data)

Associated resource

Association Type	Is composed of
Metadata Reference	• PM2.5, European air quality data for 2021, (interpolated data), August 2023

Associated resource

Association Type	Is composed of
Metadata Reference	• PM2.5, European air quality data for 2022, (interpolated data), June 2024

Associated resource

Association Type	Is composed of
Metadata Reference	• PM2.5, European air quality data for 2023, (interpolated data), June 2025

Associated resource

Association Type	Is composed of
Metadata Reference	• PM2.5, European air quality data for 2024, (interpolated data), interim data, June 2025

Associated resource

Association Type	Is composed of
Metadata Reference	• PM2.5, European air quality data for 2024, (interpolated data), validated data, June 2026

Associated resource

Association Type	Is composed of
Metadata Reference	• PM2.5, European air quality data for 2025, (interpolated data), interim data, June 2026

Metadata

Metadata identifier	938bea70-07fc-47e9-8559-8a09f7f92494
Language	English
Character encoding	UTF8
Contact	**Organisation** / **Individual** / **Electronic mail address** / **Website** / **Role** European Environment Agency / / sdi@eea.europa.eu / / Point of contact

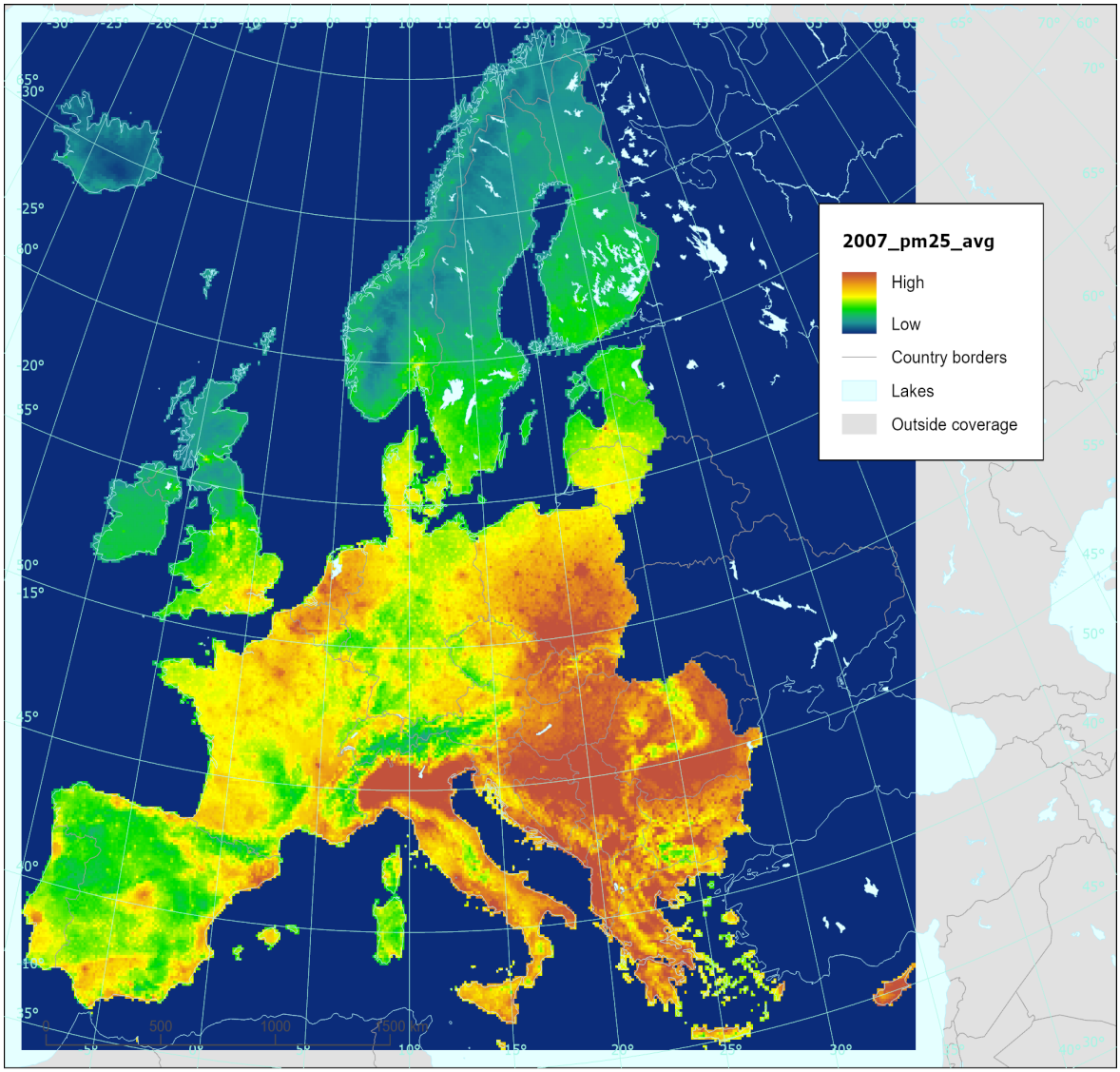
Type of resource

Resource type	Series
Metadata linkage	https://sdi.eea.europa.eu/catalogue/srv/api/records/938bea70-07fc-47e9-8559-8a09f7f92494?language=all
Date info (Creation)	2022-12-14T07:49:05.865Z
Date info (Revision)	2026-09-25T14:06:42.092536Z

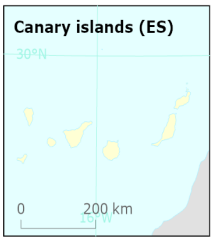
Metadata standard

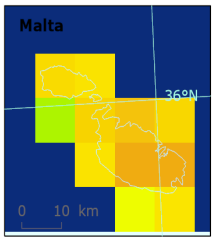
Title	ISO 19115-3:2018
Edition	1.0

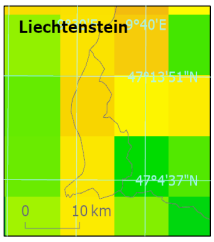
Overviews



Reference data: © EuroGeographics, © FAO (UN), © TurkStat Source: European Commission – Eurostat/GISCO







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