

pm10, European air quality data for 2020, (interpolated data)

The data set provides concentrations for the air pollutants PM10 at 1 km grid 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 for the year 2020. It provides estimates for human health related indicators of pollutants PM10 (annual average, 90.4 percentile of daily means) for the year 2020.

This data set is used to estimate population and vegetation exposure to air pollution, as an input to the indicator AIR004 (Exposure of Europe's ecosystems to ozone: <https://www.eea.europa.eu/ims/exposure-of-europes-ecosystems-to-ozone>) and for the health impact assessments published in the Air Quality in Europe reports (https://www.eea.europa.eu/publications/#c7=en&c11=5&c14=air-quality-reports&c12=&h_start=0). The methodology and the corresponding maps can be found in the 2021 Eionet report "European air quality maps for 2019. PM10, PM2.5, Ozone, NO2 and NOx Spatial estimates and their uncertainties" (ETC/ATNI Report 1/2021) available at

<https://www.eionet.europa.eu/etcs/etc-atni/products/etc-atni-reports/etc-atni-report-1-2021-european-air-quality-maps-for-2019-pm10-pm2-5-ozone-no2-and-nox-spatial-estimates-and-their-uncertainties>

Simple

Date (Creation)	2021-07-02																		
Date (Publication)	2022-03-31																		
Edition	01.00																		
Citation identifier	eea_r_3035_1_km_aq-interpolated-pm10_p_2020_v01_r00																		
Point of contact	<table><thead><tr><th>Organisation name</th><th>Individual name</th><th>Electronic mail address</th><th>Website</th><th>Role</th></tr></thead><tbody><tr><td>European Environment Agency</td><td></td><td>sdi@eea.europa.eu</td><td>http://www.eea.europa.eu</td><td>Point of contact</td></tr><tr><td>European Environment Agency</td><td></td><td>sdi@eea.europa.eu</td><td></td><td>Custodian</td></tr></tbody></table>				Organisation name	Individual name	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
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Point of contact

No information provided.

Maintenance and update frequency	Annually
GEMET - INSPIRE themes, version 1.0	Atmospheric conditions Environmental monitoring facilities Human health and safety
Keywords	
Keywords	
GEMET	- troposphere - air quality monitoring - transboundary pollution - traffic - atmospheric pollution - atmospheric particulate - air quality - atmospheric composition

Continents, countries, sea regions of the world.	• EEA38 (from 2020) • United Kingdom • San Marino • Andorra • Monaco
Spatial scope	• European
INSPIRE priority data set	• Measurement and modelling data (Air Quality Directive) • Directive 2008/50/EC • Monitoring stations (Air Quality Directive)
EEA topics	• Air pollution
Temporal resolution	• Annually
Access constraints	Other restrictions
Other constraints	no limitations to public access
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 Dataset identifier	282ed4e9-d58a-44ae-8c48-e688bdfed281
Association Type	Cross reference
Spatial representation type	Grid

Spatial resolution

No information provided.

Distance	1 km
Language of dataset	English
Topic category	• Environment

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Begin date	2020-01-01		
End date	2020-12-31		
Coordinate reference system identifier	EPSG:3035		
Distribution format	GeoTIFF ()		
OnLine resource	Protocol	Linkage	Name
	EEA:FOLDERPATH	https://sdi.eea.europa.eu/webdav/datastore/public/eea_r_3035_1_km_aq-interpolated-pm10_p_2020_v01_r00/	
	WWW:URL	https://sdi.eea.europa.eu/data/cd588ddb-db28-4383-9b05-bc25e89fd68b	Direct download
OnLine resource	Protocol	Linkage	Name
	WWW:LINK-1.0-http--link	taskman ticket: https://taskman.eionet.europa.eu/issues/154745	EEA Taskman ticket
Hierarchy level	Dataset		

Conformance result

Date (Publication)	2010-12-08
Explanation	See the referenced specification

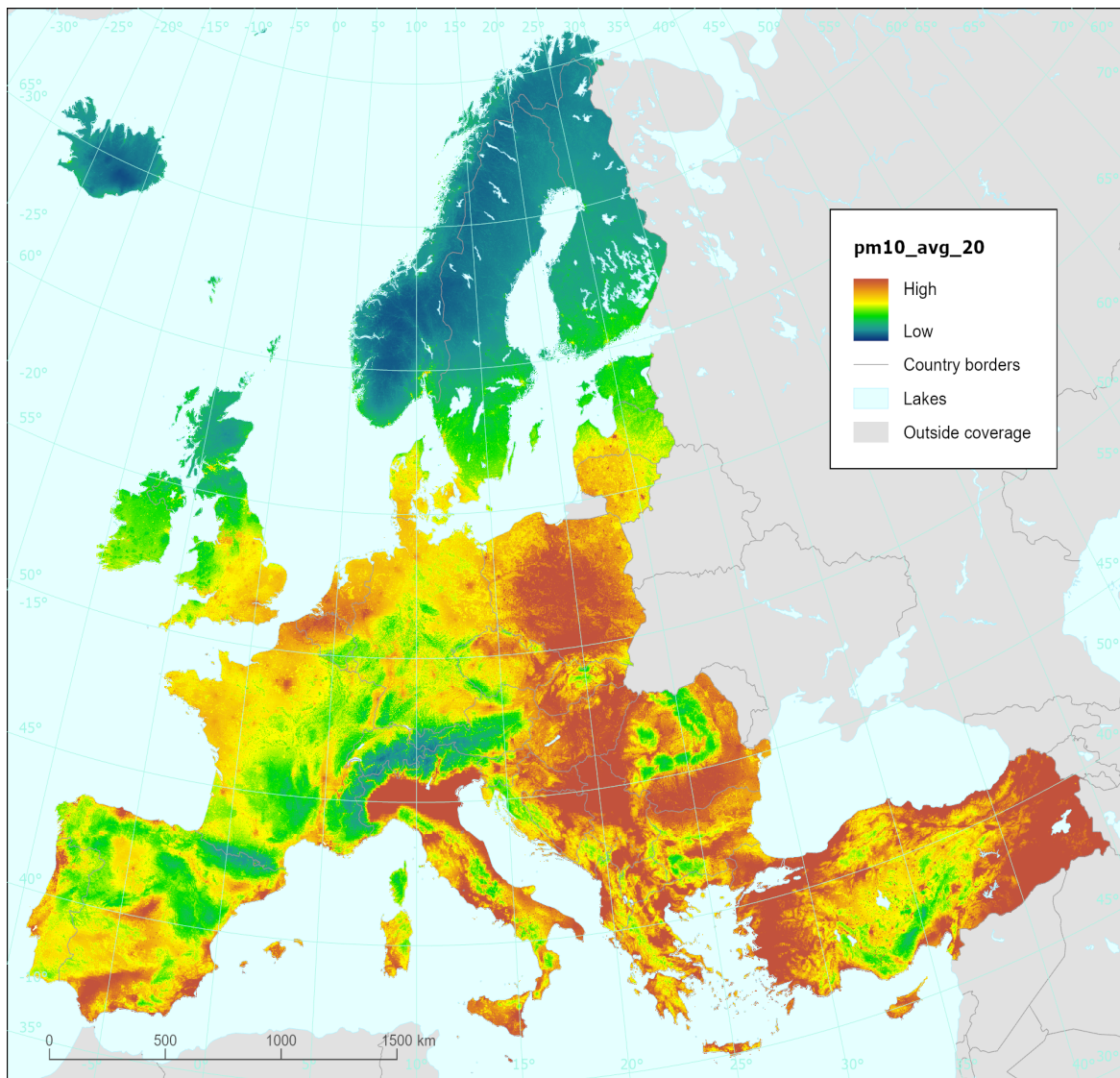
Statement	The data set and corresponding maps are derived primarily from the e-reporting Air Quality database, consisting of monitoring stations data reported to EEA, and some additional EMEP (European Monitoring and Evaluation Programme) station monitoring data, supplemented with, among others, altitude, 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. The methodology and the corresponding maps can be found in the 2021 Eionet report "European air quality maps for 2019. PM10, PM2.5, Ozone, NO2 and NOx Spatial estimates and their uncertainties" (ETC/ATNI Report 1/2021) available at https://www.eionet.europa.eu/etcs/etc-atni/products/etc-atni-reports/etc-atni-reports/etc-atni-report-1-2021-european-air-quality-maps-for-2019-pm10-pm2-5-ozone-no2-and-nox-spatial-estimates-and-their-uncertainties .
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Metadata

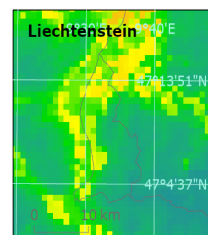
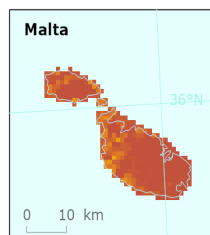
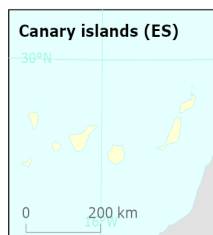
File identifier	cd588ddb-db28-4383-9b05-bc25e89fd68b XML
Metadata language	English

Character set	UTF8		
Hierarchy level	Dataset		
Date stamp	2023-08-22T14:57:39.421Z		
Metadata standard name	ISO 19115/19139		
Metadata standard version	1.0		
Metadata author	Organisation name European Environment Agency	Individual name	Electronic mail address sdi@eea.europa.eu Website Role Point of contact

Overviews



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



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