



O3, European air quality data for 2020, (interpolated data)

The data set provides concentrations for the air pollutants Ozone (O3) 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 ozone (93.2 percentile of maximum daily 8-hour means, SOMO35, SOMO10) and vegetation related ozone indicators (AOT40 for vegetation and for forests) 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-europe-s-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=&b_start=0). The methodology and the corresponding maps can be found in the 2022 Eionet report "European air quality maps for 2020. PM10, PM2.5, Ozone, NO₂, NOx and Benzo(a)pyrene spatial estimates and their uncertainties" (ETC/HE Report 12/2022) available at

<https://www.eionet.europa.eu/etc/etc-he/products/etc-he-report-2022-12-european-air-quality-maps-for-2020-pm10-pm2-5-ozone-no2-nox-and-benzo-a-pyrene-spatial-estimates-and-their-uncertainties>

Simple

Date (Creation)	2021-07-02			
Date (Publication)	2022-03-31			
Edition	01.00			
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Point of contact	Organisation name European Environment Agency European Environment Agency	Individual name sdi@eea.europa.eu	Electronic mail sdi@eea.europa.eu	Website http://www.eea.europa.eu
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Point of contact

No information provided.

Maintenance and update frequency	Annually
GEMET - INSPIRE themes, version 1.0	<ul style="list-style-type: none">Atmospheric conditionsEnvironmental monitoring facilitiesHuman health and safety
Keywords	
Keywords	
GEMET	<ul style="list-style-type: none">air qualityatmospheric particulateair quality monitoringtransboundary pollutionozonetrafficatmospheric compositiontroposphereatmospheric pollution

Continents, countries, sea regions of the world.	<ul style="list-style-type: none"> Monaco EEA38 (from 2020) United Kingdom San Marino Andorra
Spatial scope	<ul style="list-style-type: none"> European
INSPIRE priority data set	<ul style="list-style-type: none"> Directive 2008/50/EC Monitoring stations (Air Quality Directive) Measurement and modelling data (Air Quality Directive)
EEA topics	<ul style="list-style-type: none"> Air pollution
Temporal resolution	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> Environment

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Begin date	2020-01-01		
End date	2020-12-31		
Coordinate reference system identifier	EPSG:3035		
Distribution format	<ul style="list-style-type: none"> • GeoTIFF () 		
OnLine resource	Protocol EEA:FOLDERPATH WWW:URL	Linkage https://sd.eea.europa.eu/webdav/datastore/public/eea_r_3035_1_km_aq-interpolated-O3_p_2020_v01_r00/ https://sd.eea.europa.eu/data/1e999340-24d9-4896-9f29-7564277728b2	Name Direct download

OnLine resource

No information provided.

Hierarchy level	Dataset
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Conformance 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

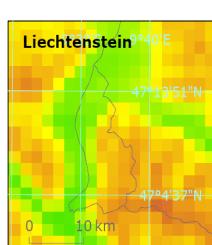
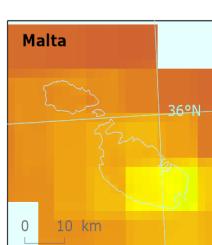
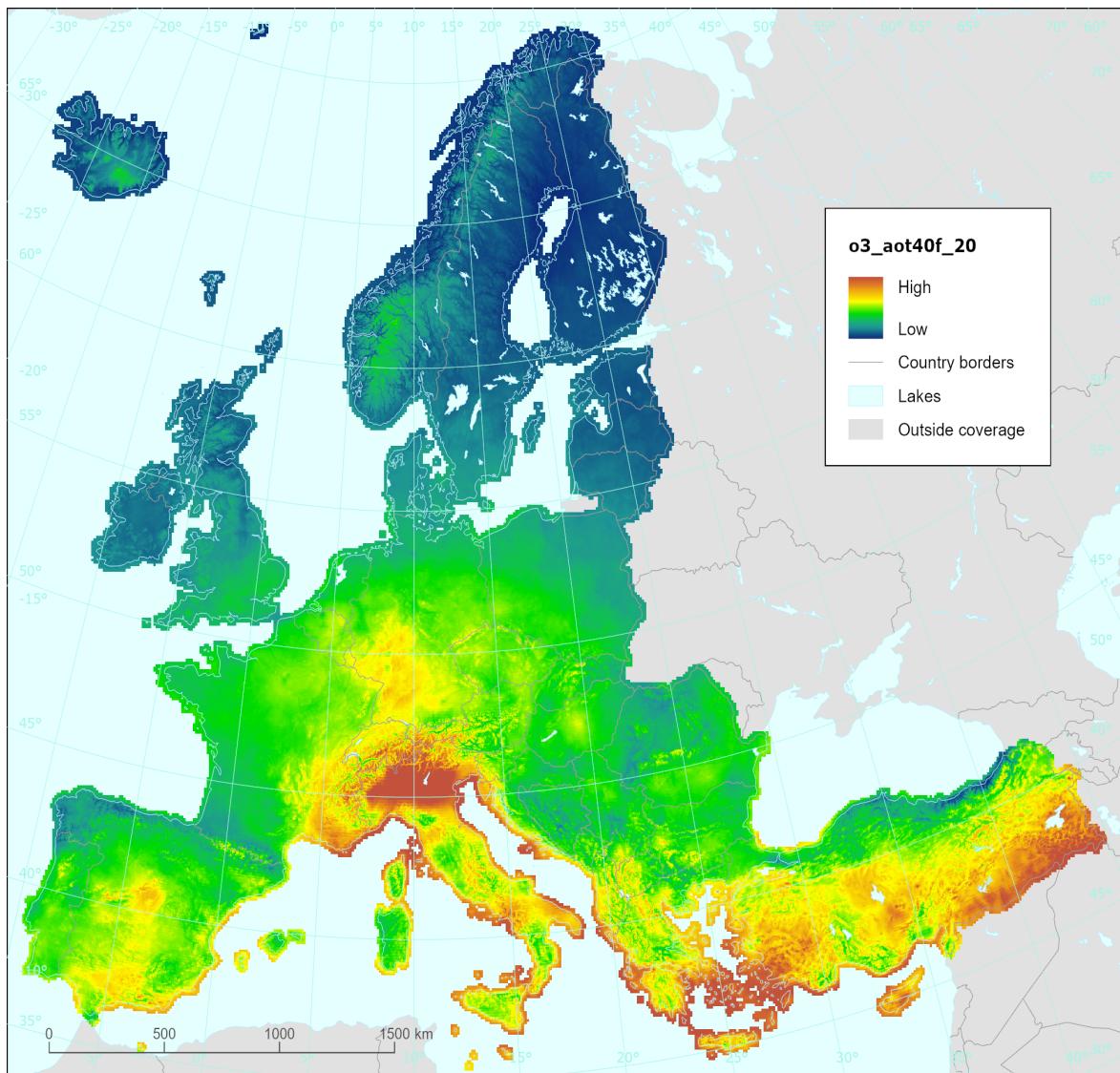
Statement	<p>The data set and corresponding maps are derived primarily from the e-reporting Air Quality database, consisting of monitoring stations data reported to EEA, and some additional EMEP (European Monitoring and Evaluation Programme) station monitoring data, supplemented with, among others, altitude, 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.</p> <p>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/etc/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.</p>
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Metadata

File identifier	1e999340-24d9-4896-9f29-7564277728b2 XML
Metadata language	English

Character set	UTF8		
Hierarchy level	Dataset		
Date stamp	2024-02-02T08:48:09.274Z		
Metadata standard name	ISO 19115/19139		
Metadata standard version	1.0		
Metadata author	Organisation name European Environment Agency	Individual name Individual name is empty for this row	Electronic mail address sdi@eea.europa.eu Website Role Point of contact

Overviews



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