



POD6, European air quality data for 2019 (interpolated data), Mar. 2022

The data set provides concentrations for the air pollutants Phytotoxic ozone dose (POD) 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 2019. It provides estimates for phytotoxic ozone dose (POD) for wheat, tomato and potato for the year 2019.

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 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/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_2_km_aq-interpolated-POD6_p_2019_v01_r00				
Point of contact	Organisation name European Environment Agency European Environment Agency	Individual name 	Electronic mail info@eea.europa.eu	Website http://www.eea.europa.eu	Role address Point of contact info@eea.europa.eu
Maintenance and update frequency	Annually				Custodian info@eea.europa.eu
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">atmospheric pollutiontrafficatmospheric compositionair qualityatmospheric particulatetropospheretransboundary pollutionair quality monitoring				
Continents, countries, sea regions of the world.	<ul style="list-style-type: none">San MarinoMonacoUnited Kingdom				

	<ul style="list-style-type: none"> • Andorra • EEA38 (from 2020)
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	2019-01-01
End date	2019-12-31
Coordinate reference system identifier	EPSG:3035
Distribution format	<ul style="list-style-type: none"> • GeoTIFF ()

OnLine resource

No information provided.

Hierarchy level	Dataset
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Conformance result

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

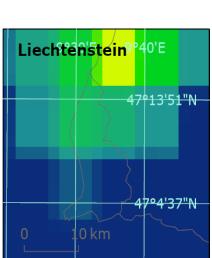
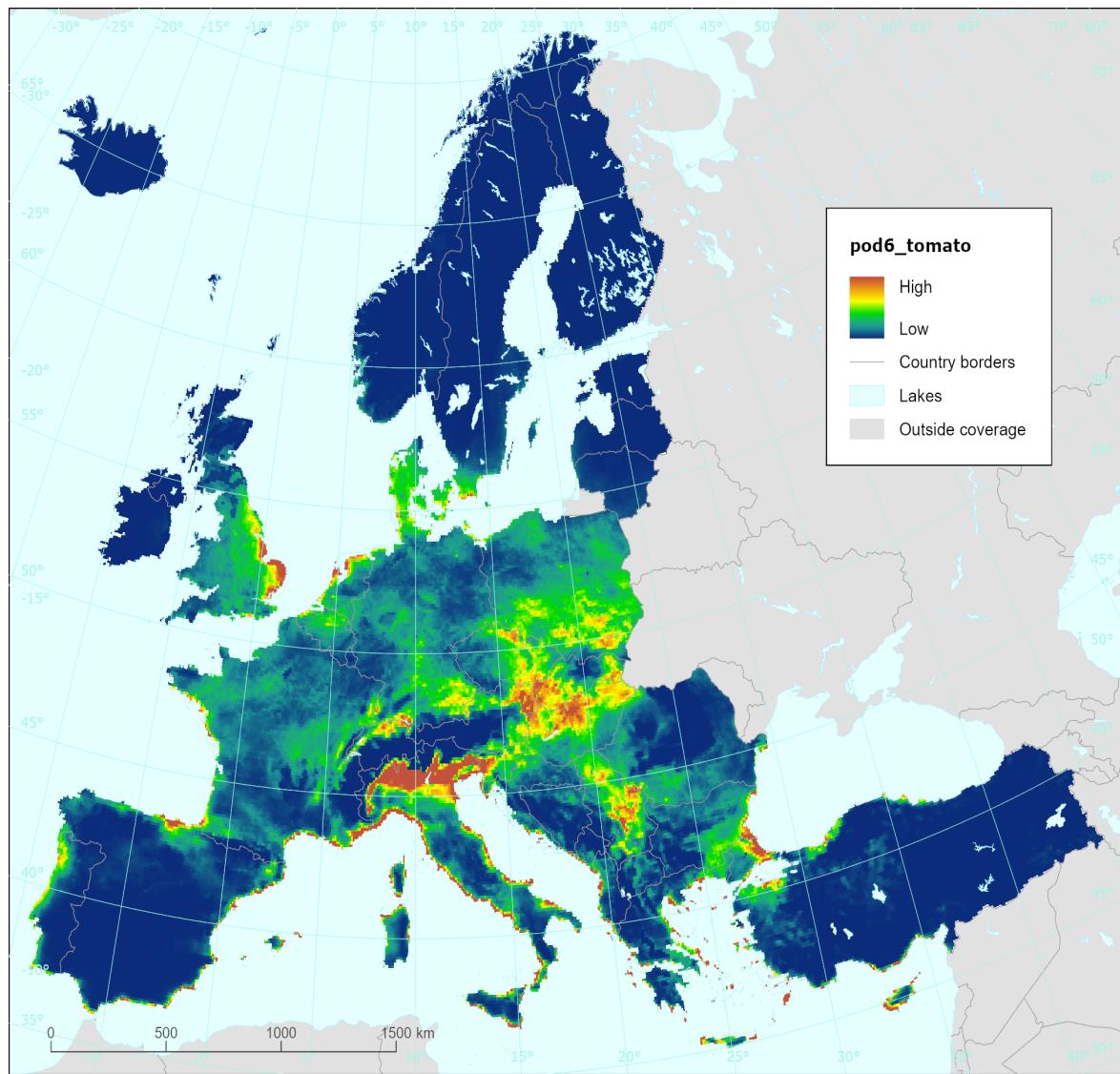
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Metadata language	English
Character set	UTF8
Hierarchy level	Dataset
Date stamp	2023-02-08T10:15:32.976Z
Metadata standard name	ISO 19115/19139

Metadata author**Organisation name**

European Environment Agency

Individual name

**Electronic
mail**
sdi@eea.
europa.eu

Website[Role](#)[address](#)Point
of
contact**Overviews****Provided by**

