



O3, European air quality data for 2024, (interpolated data), interim data, June 2025

The data set provides values for the ozone (O3) peak season 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 2024.

This data set is used to estimate population exposure to air pollution in 2024 for the EEA's European Air quality city viewer. The methodology can be found in the 2024 ETC HE report 2024 /1 "Interim air quality maps of EEA member and cooperating countries for 2023. 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-2024-1-interim-air-quality-maps-of-eea-member-and-cooperating-countries-for-2023-pm-o3-and-no2-spatial-estimates-pm-o3-and-no2-spatial-estimates> (the corresponding 2025 report with the 2024 maps will be published at the end of 2025).

The dataset for the 2024 O3 peak season concentrations using validated air quality data will be published later in 2026, together with the maps for the rest of O3 indicators.

Simple

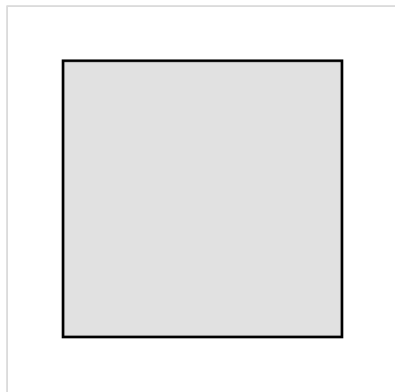
Identification info

Date (Creation)	2025-06-20			
Date (Publication)	2025-06-20			
Edition	01.00			
Citation identifier	eea_r_3035_1_km_aq-interpolated-O3_p_2024_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	<ul style="list-style-type: none"> Environment

Extent



Temporal extent

Time period	2024-01-01 2024-12-31
Extent	
Maintenance and update frequency	Annually
GEMET - INSPIRE themes, version 1.0	<ul style="list-style-type: none"> • Human health and safety • Atmospheric conditions • Environmental monitoring facilities
GEMET	<ul style="list-style-type: none"> • ozone • transboundary pollution • traffic • atmospheric particulate • troposphere • air quality monitoring • atmospheric pollution • air quality • atmospheric composition
Continents, countries, sea regions of the world.	<ul style="list-style-type: none"> • EEA38 (from 2020) • Andorra • Monaco • San Marino • United Kingdom
Spatial scope	<ul style="list-style-type: none"> • European
INSPIRE priority data set	<ul style="list-style-type: none"> • Directive 2008/50/EC • Measurement and modelling data (Air Quality Directive) • Monitoring stations (Air Quality Directive)
EEA topics	<ul style="list-style-type: none"> • Air pollution
Temporal resolution	<ul style="list-style-type: none"> • Annually

Resource constraints

Access constraints	Other restrictions
Other constraints	no limitations to public access

Resource constraints

Use constraints	Other restrictions
Other constraints	

Associated resource

Association Type	Cross reference
Metadata Reference	<ul style="list-style-type: none"> • European air quality data for 2018 (interpolated data and station points), Feb. 2021
Language	English

Distribution Information

Distribution format	<ul style="list-style-type: none"> • GeoTIFF
OnLine resource	https://sdi.eea.europa.eu/webdav/datastore/public/eea_r_3035_1_km_aq-interpolated-O3_p_2024_v00_r00
OnLine resource	Direct download

Data quality info

Hierarchy level	Dataset
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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	<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/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-the-references-therein-and-the-successive-Eionet-reports-for-the-following-years-available-at-https://www.eionet.europa.eu/etcs/all-etc-reports.</p>
Hierarchy level	Dataset

Reference System Information

Reference System Information

Code	EPSG:3035
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Metadata

Metadata identifier	839407de-bb7c-4cc4-91b9-a8282b05203a
Language	English

Character encoding	UTF8		
Contact	Organisation	Individual	Electronic mail address
	European Environment Agency		sdi@eea.europa.eu
			Website Role
			Point of contact

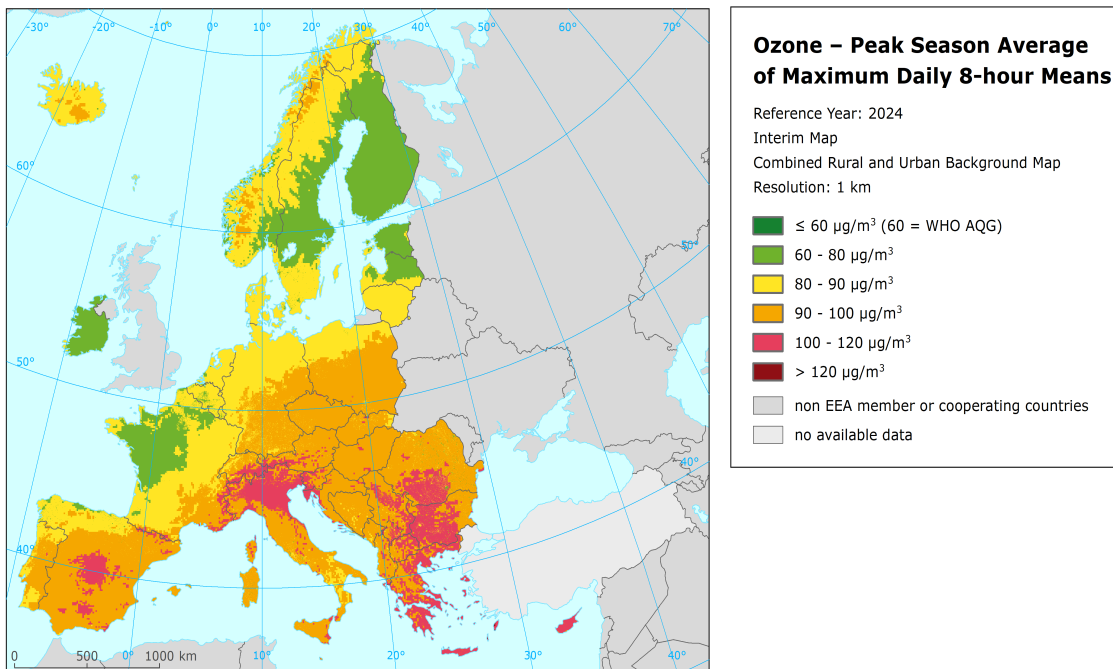
Type of resource

Resource type	Dataset
Metadata linkage	https://sdi.eea.europa.eu/catalogue/srv/api/records/839407de-bb7c-4cc4-91b9-a8282b05203a
Date info (Creation)	2025-06-20T08:35:38.251073Z
Date info (Revision)	2025-10-09T11:00:50.720517Z

Metadata standard

Title	ISO 19115/19139
Edition	1.0

Overviews



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