



NO₂, European air quality data for 2020, (interpolated data)

The data set provides concentrations for the air pollutants NO₂ 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 pollutant NO₂ (annual average).

This data set is used to estimate population exposure to air pollution, 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 2022/12) available at <https://www.eionet.europa.eu/etc/etcs/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		
Citation identifier	eea_r_3035_1_km_aq-interpolated-NO2_p_2020_v01_r00		
Point of contact	Organisation name European Environment Agency European Environment Agency	Individual name European Environment Agency	Electronic mail sdi@eea.europa.eu Website http://www.eea.europa.eu Role Point of contact Electronic mail sdi@eea.europa.eu Website http://www.eea.europa.eu Role Custodian

Point of contact

No information provided.

Maintenance and update frequency	Annually
GEMET - INSPIRE themes, version 1.0	<ul style="list-style-type: none">Environmental monitoring facilitiesAtmospheric conditionsHuman health and safety
Keywords	
Keywords	
GEMET	<ul style="list-style-type: none">atmospheric particulatetransboundary pollutionatmospheric compositionnitrogen dioxidetropospheretrafficatmospheric pollutionair quality monitoringair quality

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

	N
--	---

	S
--	---

	E
--	---

	W
--	---



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-NO2_p_2020_v01_r00/ https://sd.eea.europa.eu/data/25f13624-3465-4de5-b1d3-1a479a4fe51b	Name Direct download

OnLine resource

No information provided.

Hierarchy level	Dataset
-----------------	---------

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

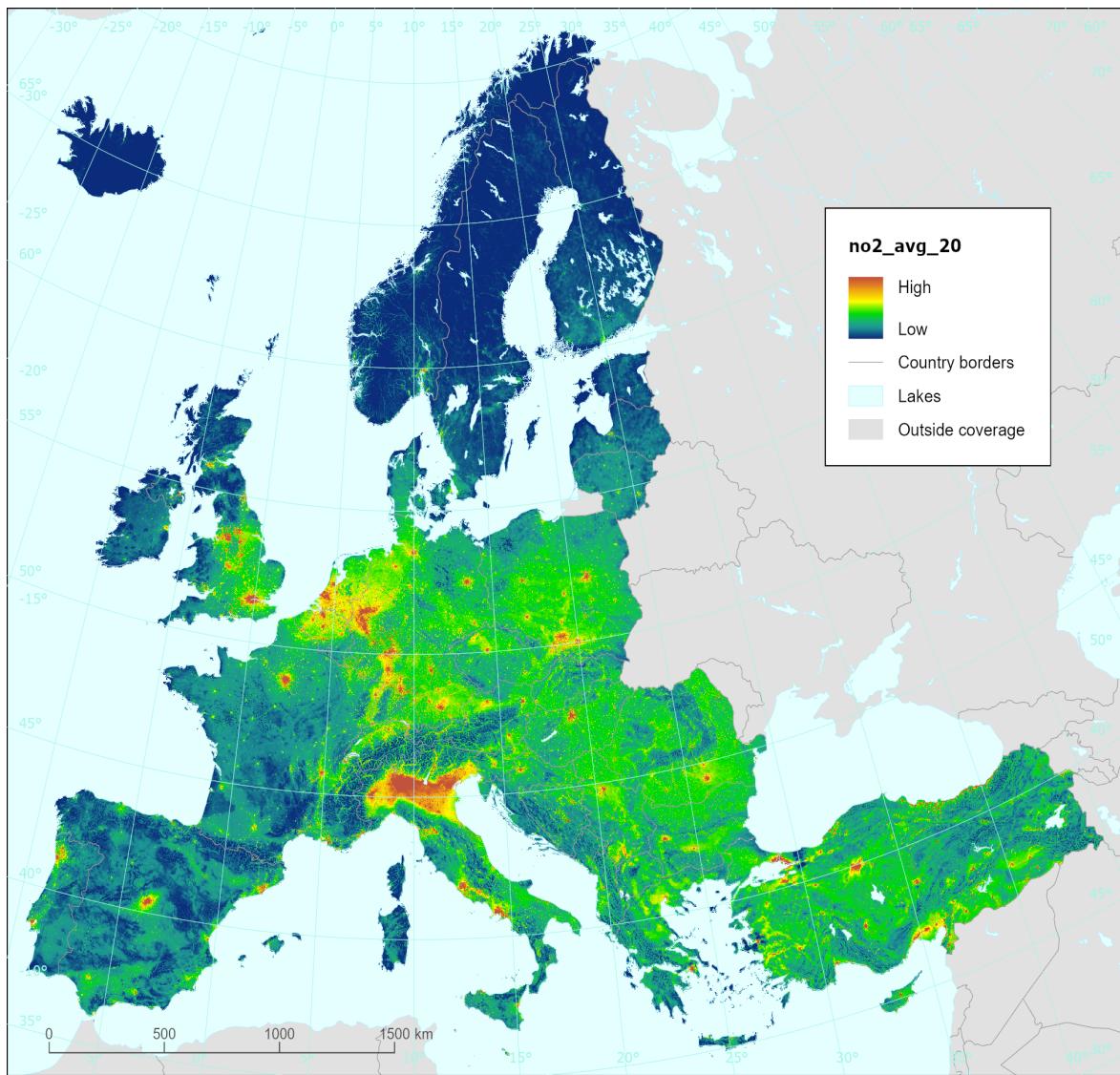
Statement	<p>The data set and corresponding maps are derived primarily from the e-reporting Air Quality database, consisting of monitoring stations data reported to EEA, and some additional EMEP (European Monitoring and Evaluation Programme) station monitoring data, supplemented with, among others, altitude,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

Metadata

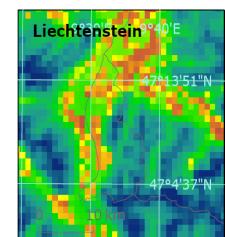
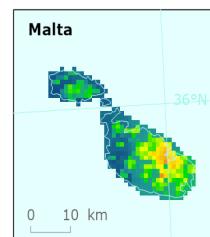
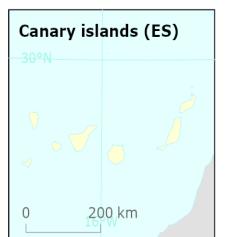
File identifier	25f13624-3465-4de5-b1d3-1a479a4fe51b XML
Metadata language	English

Character set	UTF8		
Hierarchy level	Dataset		
Date stamp	2025-02-13T14:16:15.667351Z		
Metadata standard name	ISO 19115/19139		
Metadata standard version	1.0		
Metadata author	Organisation name European Environment Agency	Individual name	Electronic mail sdi@eea.europa.eu Website Point of contact

Overviews



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



Provided by

