

NOx, European air quality data for 2021, (interpolated data), Jan 2023

The data set provides concentrations for the air pollutant NOx 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 2021. It provides estimates for vegetation related indicator of pollutant NOx (annual average) for the year 2021.

This data set is used to estimate vegetation exposure to air pollution. The methodology and the corresponding maps can be found in the 2023 Eionet report "Air quality maps of EEA member and cooperating countries for 2021. PM10, PM2.5, O3, NO2, NOx and BaP spatial estimates and their uncertainties." (ETC HE Report 2023/3) available at <https://www.eionet.europa.eu/etcs/etc-he/products/etc-he-products/etc-he-reports/etc-he-report-2023-3-air-quality-maps-of-eea-member-and-cooperating-countries-for-2021-pm10-pm2-5-o3-no2-nox-and-bap-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-NOx_p_2021_v01_r00		
Point of contact	Organisation name	Individual name	Electronic mail address
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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	- atmospheric pollution - atmospheric composition - atmospheric particulate - nitrogen oxides - transboundary pollution - traffic - troposphere - air quality monitoring - air quality

Continents, countries, sea regions of the world.	• United Kingdom • EEA38 (from 2020) • Monaco • San Marino • Andorra
Spatial scope	• European
INSPIRE priority data set	• Measurement and modelling data (Air Quality Directive) • Monitoring stations (Air Quality Directive) • Directive 2008/50/EC
EEA topics	• Pollution • 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).
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	2021-01-01		
End date	2021-12-31		
Coordinate reference system identifier	EPSG:3035		
Distribution format	GeoTIFF ()		
OnLine resource	Protocol	Linkage	Name
	EEA:FOLDERPATH WWW:URL	https://sdi.eea.europa.eu/webdav/datastore/public/eea_r_3035_1_km_aq-interpolated-NOx_p_2021_v01_r00/ https://sdi.eea.europa.eu/data/a7bddd93-05ca-40ff-bb4f-2c901736acd0	Direct download

OnLine resource

No information provided.

Hierarchy level	Dataset
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Conformance result

Date (Publication)	
Explanation	See the referenced specification

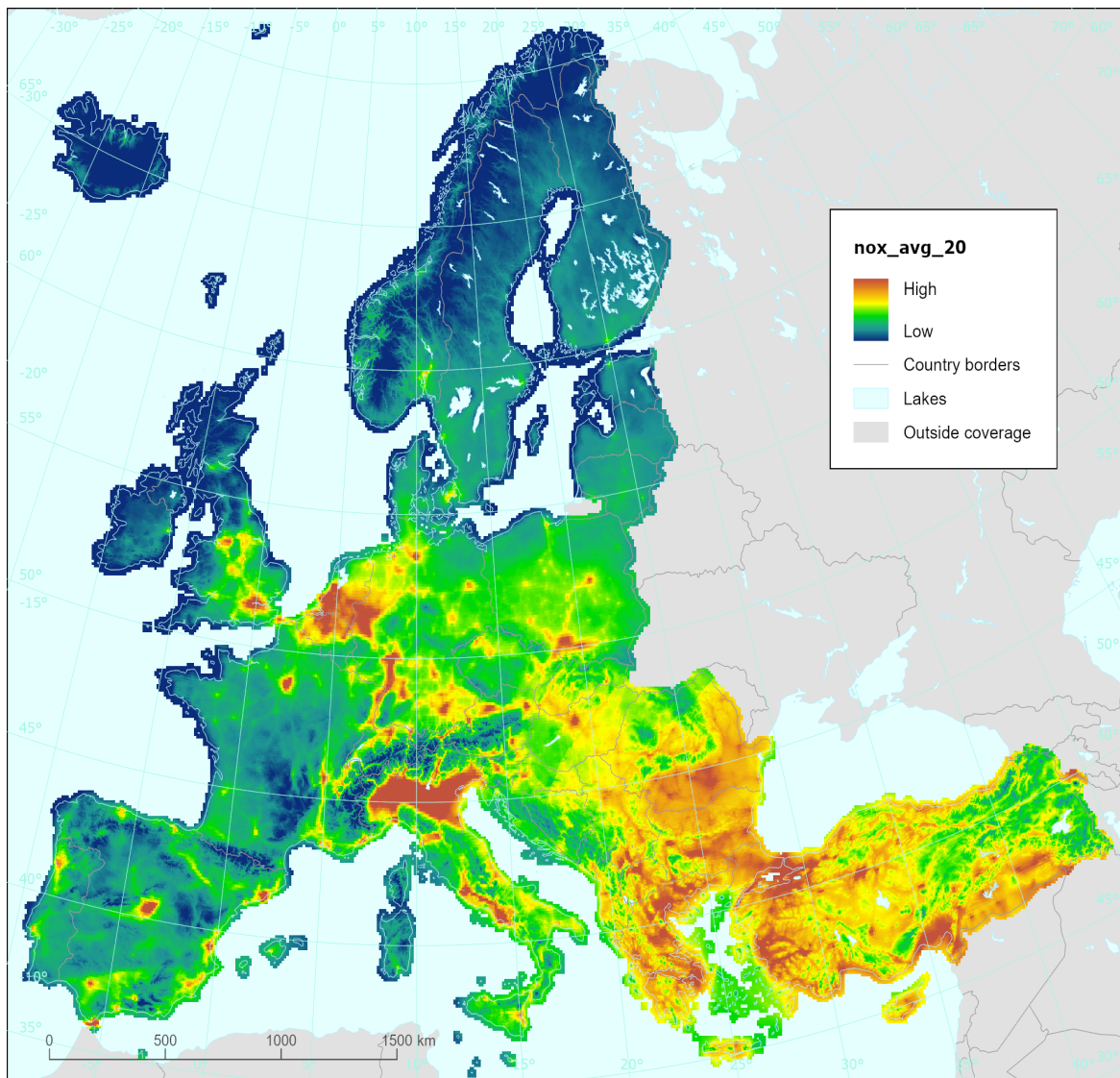
Statement	The data set and corresponding maps are derived primarily from the e-reporting Air Quality database, consisting of monitoring stations data reported to EEA, and some additional EMEP (European Monitoring and Evaluation Programme) station monitoring data, supplemented with, among others, altitude,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

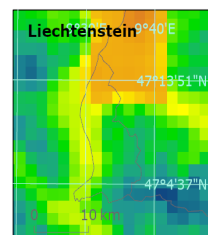
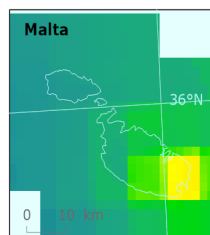
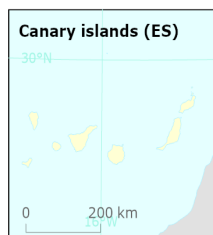
File identifier	a7bddd93-05ca-40ff-bb4f-2c901736acd0 XML
Metadata language	English
Character set	UTF8

Hierarchy level	Dataset			
Date stamp	2024-04-24T15:51:10.203879Z			
Metadata standard name	ISO 19115/19139			
Metadata standard version	1.0			
Metadata author	Organisation name	Individual name	Electronic mail address	Website Role
	European Environment Agency		sdi@eea.europa.eu	Point of contact

Overviews



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



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