

NO2, European air quality data for 2021, (interpolated data), August 2023

The data set provides values for the human health related indicator of NO2 (annual average concentration) at 1 km2 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 2021.

This data set is used to estimate population exposure to air pollution, and for the health impact assessments published by the EEA (see, for example, Health impacts of air pollution in Europe, 2022 — European Environment Agency (europa.eu) at <https://www.eea.europa.eu/publications/air-quality-in-europe-2022/health-impacts-of-air-pollution>). The methodology and the corresponding maps can be found in the 2023 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" <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)	2023-08-21																		
Date (Publication)	2023-08-21																		
Edition	01.00																		
Citation identifier	eea_r_3035_1_km_aq-interpolated-no2_p_2021_v01_r00																		
Point of contact	<table><thead><tr><th>Organisation name</th><th>Individual name</th><th>Electronic mail address</th><th>Website</th><th>Role</th></tr></thead><tbody><tr><td>European Environment Agency</td><td></td><td>sdi@eea.europa.eu</td><td>http://www.eea.europa.eu</td><td>Point of contact</td></tr><tr><td>European Environment Agency</td><td></td><td>sdi@eea.europa.eu</td><td></td><td>Custodian</td></tr></tbody></table>				Organisation name	Individual name	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
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Point of contact

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 - transboundary pollution - air quality monitoring - nitrogen dioxide - traffic - atmospheric composition - atmospheric particulate - troposphere - air quality

Continents, countries, sea regions of the world.	• United Kingdom • Monaco • Andorra • EEA38 (from 2020) • San Marino
Spatial scope	• European
INSPIRE priority data set	• Monitoring stations (Air Quality Directive) • Measurement and modelling data (Air Quality Directive) • Directive 2008/50/EC
EEA topics	• 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).
Aggregate Datasetidentifier	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

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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 EEA:FOLDERPATH WWW:URL	Linkage https://sdi.eea.europa.eu/webdav/datastore/public/eea_r_3035_1_km_aq-interpolated-no2_p_2021_v01_r00/ https://sdi.eea.europa.eu/data/1e0bef0b-9b28-4772-99f5-07439c1b81d8	Name Direct download

OnLine resource

No information provided.

Hierarchy level	Dataset
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Conformance result

Date (Publication)	
Explanation	See the referenced specification

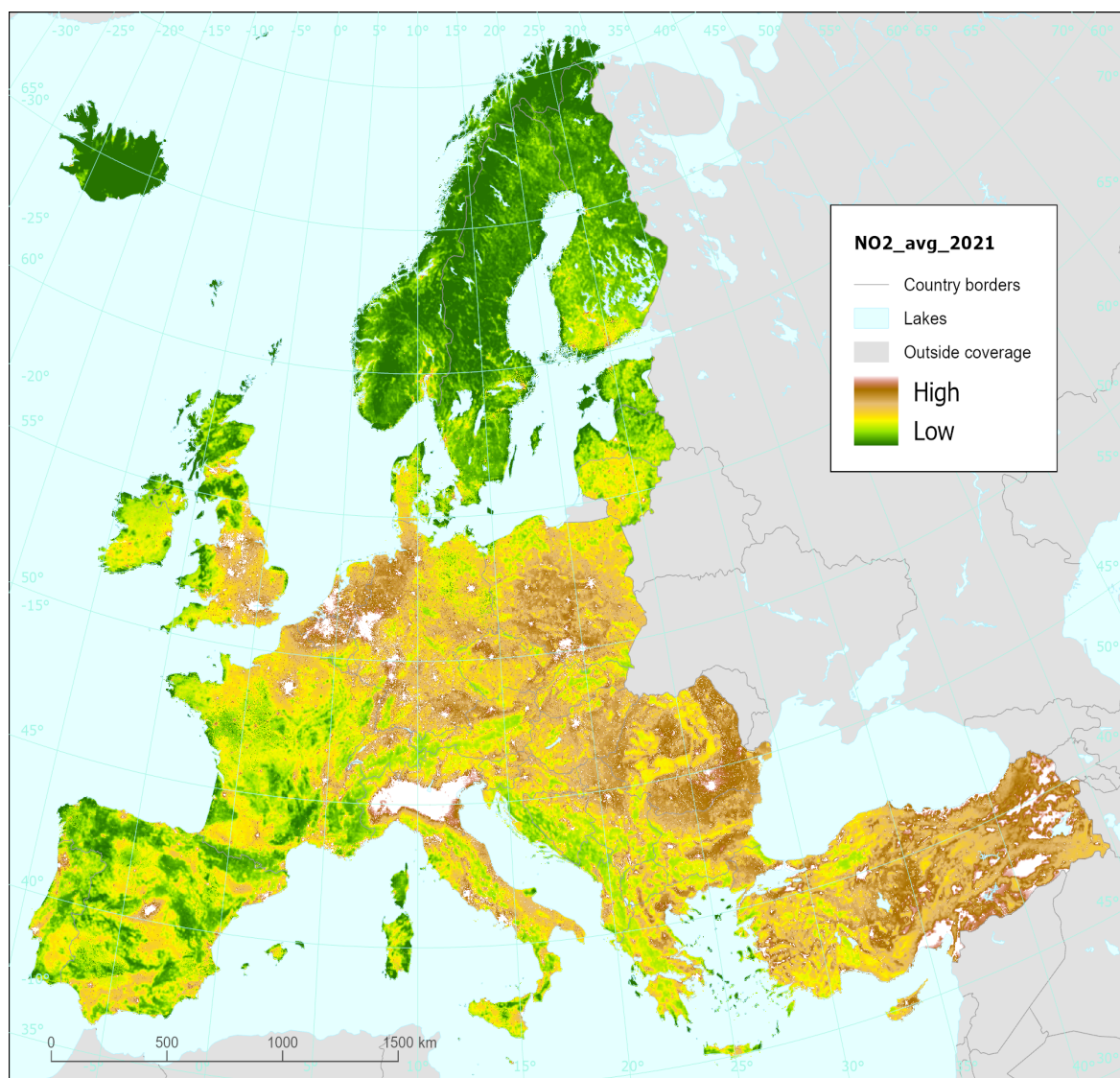
Statement	The data set and corresponding maps are derived primarily from the e-reporting Air Quality database, consisting of monitoring stations data reported to EEA, and some additional EMEP (European Monitoring and Evaluation Programme) station monitoring data, supplemented with, among others, altitude,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

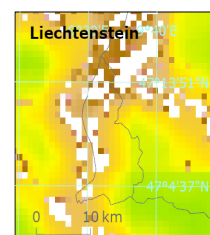
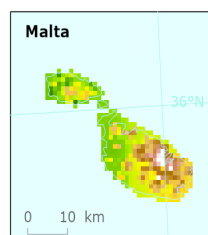
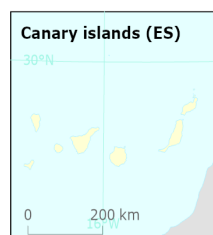
File identifier	1e0bef0b-9b28-4772-99f5-07439c1b81d8 XML
Metadata language	English
Character set	UTF8

Hierarchy level	Dataset		
Date stamp	2024-02-02T08:54:55.675Z		
Metadata standard name	ISO 19115/19139		
Metadata standard version	1.0		
Metadata author	Organisation name European Environment Agency	Individual name	Electronic mail address sdi@eea.europa.eu Website Role Point of contact

Overviews



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



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