



Nitrate in groundwater (2000-2021)

This indicator shows concentrations of nitrate in groundwater bodies. The indicator can be used to illustrate geographical variations in current nutrient concentrations and temporal trends.

Simple

Date (Creation)	2024-09-16		
Date (Publication)	2024-09-16		
Date (Revision)	2024-10-04		
Edition	03.00		
Citation identifier	eea_s_eu-sdg-06-40_p_2000-2021_v03_r00		
Status	Superseded		
Point of contact	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

Point of contact

No information provided.

Point of contact

No information provided.

Point of contact

No information provided.

Maintenance and update frequency	Annually
Date of next update	2024-10
Keywords	
Keywords	
GEMET	<ul style="list-style-type: none"> • nitrate • groundwater pollution • organic pollution • statistical data • sustainable development goals
Continents, countries, sea regions of the world.	<ul style="list-style-type: none"> • Bulgaria • France • Belgium • Latvia • Portugal

	<ul style="list-style-type: none"> • Italy • Czechia • Slovenia • Austria • Switzerland • Ireland • Denmark • Malta • Serbia • Estonia • Slovakia • Spain • Finland • Cyprus • Germany 												
Reporting obligations	<ul style="list-style-type: none"> • WISE SoE - Water quality (WISE-6) 												
EEA Management Plan	<ul style="list-style-type: none"> • 2023 1.1.2 												
EEA topics	<ul style="list-style-type: none"> • Water • Sustainability • Pollution 												
Unit of measure	<ul style="list-style-type: none"> • mg NO3 per litre 												
Available breakdowns	<ul style="list-style-type: none"> • Country 												
Reference period	<ul style="list-style-type: none"> • Calendar year 												
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).												
Language of dataset	English												
Topic category	<ul style="list-style-type: none"> • Environment • Inland waters 												
Begin date	2000-01-01												
End date	2021-12-31												
Distribution format	<ul style="list-style-type: none"> • Microsoft Excel (.xls, .xlsx) () • ascii (.csv, .txt, .sql) () 												
OnLine resource	<table border="0"> <thead> <tr> <th>Protocol</th> <th>Linkage</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td>EEA:FOLDERPATH</td> <td>https://sdi.eea.europa.eu/webdav/datastore/public/eea_s_eu-sdg-06-40_p_2000-2021_v03_r00</td> <td></td> </tr> <tr> <td>WWW:URL</td> <td>https://sdi.eea.europa.eu/data/28d0f587-a1b3-476a-b542-a65cd8ffcfcc</td> <td>Direct download</td> </tr> <tr> <td>WWW:LINK-1.0-http--link</td> <td>https://www.eea.europa.eu/en/analysis/indicators/nutrients-in-freshwater-in-europe</td> <td></td> </tr> </tbody> </table>	Protocol	Linkage	Name	EEA:FOLDERPATH	https://sdi.eea.europa.eu/webdav/datastore/public/eea_s_eu-sdg-06-40_p_2000-2021_v03_r00		WWW:URL	https://sdi.eea.europa.eu/data/28d0f587-a1b3-476a-b542-a65cd8ffcfcc	Direct download	WWW:LINK-1.0-http--link	https://www.eea.europa.eu/en/analysis/indicators/nutrients-in-freshwater-in-europe	
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EEA:FOLDERPATH	https://sdi.eea.europa.eu/webdav/datastore/public/eea_s_eu-sdg-06-40_p_2000-2021_v03_r00												
WWW:URL	https://sdi.eea.europa.eu/data/28d0f587-a1b3-476a-b542-a65cd8ffcfcc	Direct download											
WWW:LINK-1.0-http--link	https://www.eea.europa.eu/en/analysis/indicators/nutrients-in-freshwater-in-europe												

WWW:LINK-1.0-http--link	https://discomap.eea.europa.eu/App/DiscodataViewer/?fq=[metadata].[v2].[metadata]&parentIdentifier=%WISE_Indicators%v4r1%&objectType=table.column	EEA Indicator WAT003 - Nutrients in freshwater in Europe Detailed metadata for each discodata table and column
WWW:DOWNLOAD-1.0-http--download	https://discodata.eea.europa.eu/download/WISE_Indicators/v4r1/AggregatedDataByWaterBody	Nitrate in groundwater - AggregatedDataByWaterBody
WWW:LINK-1.0-http--link	https://ec.europa.eu/eurostat/databrowser/view/sdg_06_40/default/table?lang=en	Eurostat indicator: Nitrate in groundwater

OnLine resource

No information provided.

Hierarchy level	Dataset
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Accuracy of time measurement

Name of measure	Frequency of dissemination
Measure description	Indicator is updated annually.

Quantitative result

Value	Every year
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Accuracy of time measurement

Name of measure	Timeliness
Measure description	New data points are disseminated within two years after the reference year.

Quantitative result

Value	T+2 years
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Quantitative attribute accuracy

Name of measure	Reference area
Measure description	Data are presented for all EU Member States except Greece, Croatia, Lithuania, Luxembourg, Hungary, Netherlands, Poland, Romania, and Sweden.

Quantitative result

Value	< 75% EU MS or no EU aggregate
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Domain consistency

Name of measure	Comparability - geographical
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Quantitative result

Value	< 75% EU MS
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Domain consistency

Name of measure	Time coverage
Measure description	Presented time series (aggregate changing according to the context EU_V) starts in 2000.

Quantitative result

Value	> 10 years
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Domain consistency

Name of measure	Comparability - over time
Measure description	Length of comparable time series without methodological break is longer than 4 data points. A major revision is expected by the end of 2025.

Quantitative result

Value	> 4 data points
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Statement	<p>Based on the data from WISE-6 reporting, annual mean concentrations are used as a basis in the indicator analyses. Unless the country reports aggregated data, the aggregation to annual mean concentrations is done by the EEA.</p> <p>Automatic quality control procedures are applied both to the disaggregated and aggregated data, excluding data failing the tests for further analysis. In addition, a semi-manual procedure is applied, focusing on suspicious values having a major impact on the country time series and on the most recently reported data. This comprises e.g.:</p> <p>outliers;</p> <ul style="list-style-type: none"> • consecutive values deviating strongly from the rest of the time series; • whole time series deviating strongly in level compared to other time series for that country and determinand; • where values for a specific year are consistently far higher or lower than the remaining values for that country and determinand. <p>Such values are removed from the analysis and checked with the country.</p> <p>For time series analyses, only complete series after inter/extrapolation are used. This is to ensure that the aggregated time series are consistent, i.e. including the same sites throughout. Inter/extrapolation of gaps up to 3 years are allowed, to increase the number of available time series. At the beginning or end of the data series missing values are replaced by the first or last value of the original data series, respectively. In the middle of the data series, missing values are linearly interpolated. The selected time series are aggregated to country and European level by averaging across all sites for each year.</p>
Source	<ul style="list-style-type: none"> • Waterbase - Water Quality ICM, 2022

Metadata

File identifier	28d0f587-a1b3-476a-b542-a65cd8ffcefc XML
Metadata language	English
Character set	UTF8
Hierarchy level	Tabular dataset
Hierarchy level name	Tabular dataset
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Metadata standard version	1.0

