EEA geospatial data catalogue

WISE statistics - nutrients (1990-2022), 2024

WISE Statistics – Nutrients

The WISE Statistics are aggregated data products for creation of the Freshwater indicators "Oxygen consuming substances in European rivers" and "Nutrients in Freshwater in Europe", which are published at the EEA website.

The data tables provides several aggregation levels, e.g. waterbody, country, Europe. The EEA combines and aggregates the reported data from the annual WISE SoE data flows. Data can be reported on three levels: Disaggregated (individual observations on monitoring site level), aggregated (annual aggregation of observations per monitoring site), aggregated by water body (annual aggregation of observations per water body). The Nutrients AggregatedData table combines reported disaggregated and aggregated data, while all higher aggregation levels can also include data aggregated by water body.

Simple

Identification info

Date (Creation)	2024-06-30
Date (Publication)	2024-12-19
Edition	01.00
Citation identifier	eea_t_wise-statistics-nutrient-1990-2022_p_2024_v01_r00

Identifier

Code	10.2909/d6d02ce8-be33-4bf0-bcdc-71853d252c75
Status	Superseded

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

Topic category	• Environment

Extent

Temporal extent

Time period	1990-01-01 2022-12-31
Maintenance and update frequency	Annually
GEMET	• environmental policy • water statistics
Continents, countries, sea regions of the world.	• EEA38 (from 2020)
Reporting obligations	• WISE SoE - Water quality (WISE-6)

EEA Management Plan	• 2024 1.1.16 • 2024 1.1.6
EEA topics	• Water

Resource constraints

Use constraints	Other restrictions
Other constraints	License CC-BY 4.0 (https://creativecommons.org/licenses/by/4.0/). Copyright holder: European Environment Agency (EEA).
Language	English
Additional Information	The following combinations of properties and water body categories are included under Nutrients (* marks data included in the indicators): Ammonium in groundwater *Ammonium in rivers Ammonium in lakes *BOD5 in rivers BOD5 in lakes Chlorophyll a in rivers Chlorophyll a in lakes Cyanobacteria biomass in lakes Cyanobacteria biomass in rivers Dissolved organic carbon (DOC) in rivers Dissolved organic carbon (DOC) in groundwater Dissolved organic carbon (DOC) in lakes *Nitrate in groundwater *Nitrate in rivers Nitrate in lakes Nitrite in groundwater Nitrite in rivers Nitrite in lakes *Phosphate in rivers Phosphate in groundwater Phosphate in lakes Secchi depth in lakes Secchi depth in rivers Total organic carbon (TOC) in rivers Total organic carbon (TOC) in groundwater Total organic carbon (TOC) in lakes Total phosphorus in rivers Total phosphorus in groundwater *Total phosphorus in lakes Total phytoplankton biomass in lakes Total phytoplankton biomass in rivers For more information on the data processing, see the Ancillary tables for WISE Statistics on both Nutrients and Biology: AncillaryData – TimeSeries: Provides an overview of which timeseries of properties and waterbody categories are created for the WISE Statistics. AncillaryData – Classification: Provides an overview of classification types and class boundaries for the different combinations of properties and waterbody categories. AncillaryData – QualityControl: Gives an overview of quality control (QC) statements, and whether records with a given statement are include/excluded when processing the WISE Statistics data. The disaggregated data, aggregated data, and aggregated data by water body is also published in Waterbase – Water Quality ICM, see: https://www.eea.europa.eu/en/datahub/datahubitem-view/fbf3717c-cd7b-4785-933a-d0cf510542e1

	The WISE Statistics and Waterbase – Water Quality ICM are based on reported data from the WISE SoE - WISE-6 dataflow, see Reporting Obligations Database (ROD) entry: https://rod.eionet.europa.eu/obligations/14

Distribution Information

Distribution format	• ascii (.csv, .txt, .sql)
OnLine resource	Nutrients - AncillaryData_TimeSeries
OnLine resource	Nutrients - AncillaryData_Classification
OnLine resource	Nutrients - AncillaryTable_QualityControl
OnLine resource	Nutrients - AggregatedData_Country
OnLine resource	Nutrients - AggregatedData_Europe
OnLine resource	Nutrients - AggregatedData_SpatialUnit
OnLine resource	Nutrients - AggregatedData_Summary
OnLine resource	Nutrients - AggregatedDataByWaterBody
OnLine resource	Nutrients - AggregatedDataByWaterBody_Country
OnLine resource	Nutrients - AggregatedDataByWaterBody_Europe
OnLine resource	Nutrients - AggregatedDataByWaterBody_SpatialUnit
OnLine resource	Nutrients - AggregatedDataByWaterBody_Summary
OnLine resource	Nutrients - WISE6_AggregatedData_Statistics
OnLine resource	Nutrients - WISE6_AggregatedDataByWaterBody_Statistics
OnLine resource	Nutrients - AggregatedData
OnLine resource	Detailed metadata for each discodata table and column
OnLine resource	SpatialData_Country
OnLine resource	SpatialData_MonitoringSite
OnLine resource	SpatialData_SpatialUnit
OnLine resource	SpatialData_WaterBody
OnLine resource	EEA Indicator: Nutrients in freshwater in Europe (8th EAP)
OnLine resource	EEA Indicator: Oxygen consuming substances in European rivers
OnLine resource	

Resource lineage

Statement	The WISE Statistics – nutrients is created from data reported under the annual WISE SoE - WISE-6 dataflow, see https://reportnet.europa.eu/public/dataflow/1319. The processing is revised and run on an annual basis. WISE-6 and QC: WISE-6 water quality reporting was introduced in 2019 and fully replaced WISE-4 water quality reporting in 2020. WISE-6 has a similar structure to WISE-4 but also allows the reporting of concentrations in matrices such as biota and sediment, and with improved performance and better options for feedback on reported data. The reporting of WISE 6 data is done on the reportnet 3 platform, see https://reportnet.europa.eu/public/dataflow/1319. The reported data is subjected to automatic QC upon delivery. A copy of the QC tests can be found here: https://cdr.eionet.europa.eu/help/WISE_SoE/wise6/WISE6_RN3_QC_tests_2024 and the ObservedProperty QC reference table here: https://cdr.eionet.europa.eu/help/WISE_SoE/wise6/WISE6_ObservedProperty_QC_reference.xlsx. The data is used for indicators are also subjected to expert QC. The quality controlled data is published as Waterbase – Water Quality ICM in the EEA Datahub. Ancillary tables: When processing the WISE Statistics from Waterbase – Water Quality ICM data, the QC statements from automatic and expert QC are used to exclude problematic records. The QC statements that results in exclusion of Waterbase – Water Quality ICM records from the WISE Statistics can be seen in the “ancillarytable_qualitycontrol” table. The selection of time series that are created for WISE Statistics are defined in the table “ancillarydata_timeseries”. The classification used for a given time series are noted in the “ancillarydata_classification” The Ancillary tables can be downloaded – see “Links”.
Hierarchy level	Dataset

Metadata

Metadata identifier	d6d02ce8-be33-4bf0-bcdc-71853d252c75
Language	English
Character encoding	UTF8
Contact	**Organisation**: European Environment Agency **Individual**: **Electronic mail address**: sdi@eea.europa.eu **Website**: **Role**: Point of contact

Type of resource

Resource type	Non geographic dataset
Name	Tabular dataset

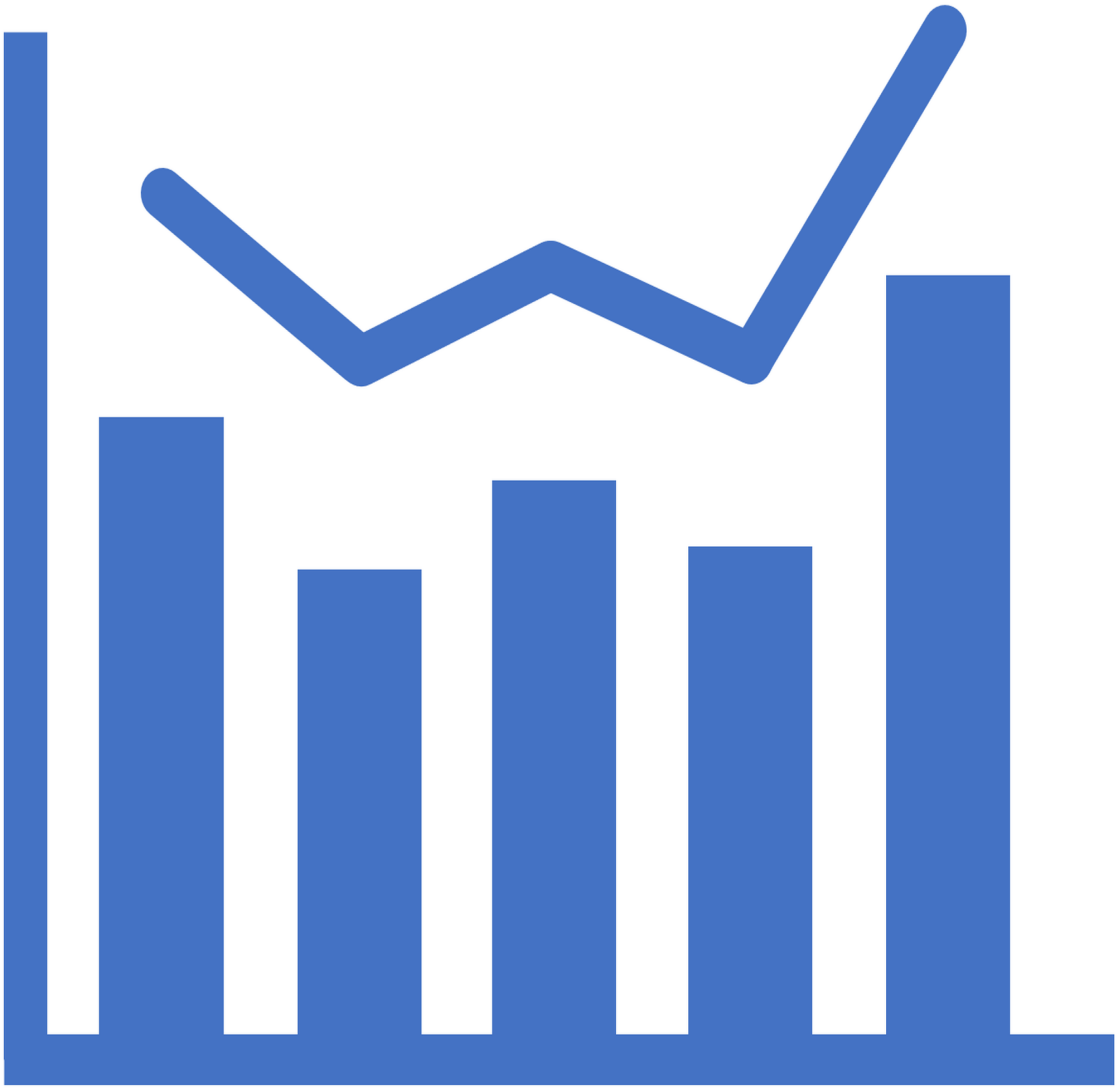
Metadata linkage	https://doi.org/10.2909/d6d02ce8-be33-4bf0-bcdc-71853d252c75
Date info (Creation)	2024-12-12T10:52:53.218552Z
Date info (Revision)	2026-09-25T11:18:19.204029Z

Metadata standard

Title	ISO 19115/19139

Edition	1.0

Overviews



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