



WISE WFD surface water body centrelines reported under Water Framework Directive 2022 - PUBLIC VERSION - version 1.9, Sep. 2025

This dataset contains information on the European surface water body centrelines delineated for the 3rd River Basin Management Plans (RBMP) under the Water Framework Directive (WFD). The information was reported to the European Commission under the Water Framework Directive (WFD) reporting obligations. The dataset compiles the available spatial data related to the 3rd RBMPs due in 2022 (hereafter WFD2022). See <https://rod.eionet.europa.eu/obligations/803> for further information on the WFD2022 reporting.

The dataset contains information on the centrelines of rivers, lakes and transitional European surface bodies delineated for the 3rd River Basin Management Plans (RBMP) under the Water Framework Directive (WFD). The structure and content of the SurfaceWaterBodyCentreline dataset is documented in the WISE GIS Guidance (https://cdr.eionet.europa.eu/help/WFD/WFD_780_2022/GISGuidance/WISE_GIS_Guidance.pdf).

Note:

* This dataset has been reported by the member states. The subsequent QC revealed some problems caused by self-intersections elements.

Simple

Identification info

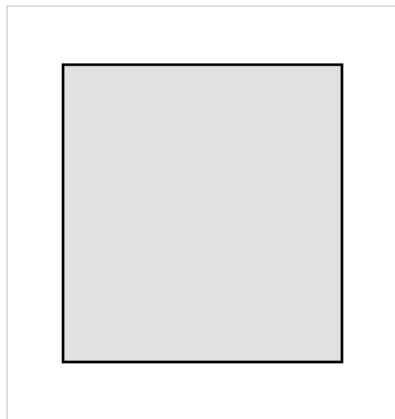
Date (Creation)	2025-08-18		
Date (Publication)	2025-11-21		
Edition	01.09		
Citation identifier	eea_v_4326_250_k_wise-swb-centrelin-wfd2022_p_2019-2025_v01_r09		
Point of contact	Organisation	Individual	Electronic mail address Website Role
	European Environment Agency		sdi@eea.europa.eu http://www.eea.europa.eu Custodian
Spatial representation type	Vector		

Spatial resolution

Equivalent scale

Denominator	250000
Topic category	<ul style="list-style-type: none"> Environment

Extent



Temporal extent

Time period	2019-03-31 2025-08-18
Extent	
Maintenance and update frequency	As needed
GEMET	<ul style="list-style-type: none"> • Water Framework Directive • ecological status • water (geographic) • inland water • transitional waters • water resources management • river • hydrography • surface water • water • lake • coastal water • water body
GEMET - INSPIRE themes, version 1.0	<ul style="list-style-type: none"> • Area management/restriction/regulation zones and reporting units
Continents, countries, sea regions of the world.	<ul style="list-style-type: none"> • EU27 (from 2020) • Norway • Iceland
Spatial scope	<ul style="list-style-type: none"> • European
INSPIRE priority data set	<ul style="list-style-type: none"> • Coastal waters (Water Framework Directive) • Rivers (Water Framework Directive) • Directive 2000/60/EC • Water bodies (Water Framework Directive) • Lakes (Water Framework Directive) • Transitional waters (Water Framework Directive) • River network (Water Framework Directive) • Surface water bodies (Water Framework Directive)
EEA topics	<ul style="list-style-type: none"> • Water
EEA Management Plan	<ul style="list-style-type: none"> • 2025 EEA/DATA/2025/040
Reporting obligations	<ul style="list-style-type: none"> • Water Framework Directive - River Basin Management Plans - 2022 Spatial data

Resource constraints

Access constraints	Other restrictions
Other constraints	no limitations to public access

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).

Associated resource

Association Type	Cross reference
Metadata Reference	<ul style="list-style-type: none">• WISE WFD surface water body centrelines reported under Water Framework Directive 2016 - INTERNAL VERSION - version 1.0, Aug. 2021
Language	English

Distribution Information

Distribution format	<ul style="list-style-type: none">• Geopackage
OnLine resource	https://sdi.eea.europa.eu/webdav/datastore/public/eea_v_4326_250_k_wise-swb-centrelin-wfd2022_p_2019-2025_v01_r09
OnLine resource	Direct download
OnLine resource	0 SurfaceWaterBodyCentreline
OnLine resource	Centrelines of rivers, lakes and transitional European surface bodies delineated for the 3rd River Basin Management Plans

Data quality info

Hierarchy level	Dataset
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Report

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

Resource lineage

Statement	<p>Relevant concepts:</p> <p>Surface water body: Body of surface water means a discrete and significant element of surface water such as a lake, a reservoir, a stream, river or canal, part of a stream, river or canal, a transitional water or a stretch of coastal water.</p> <p>Surface water: Inland waters, except groundwater; transitional waters and coastal waters, except in respect of chemical status for which it shall also include territorial waters.</p> <p>Inland water: All standing or flowing water on the surface of the land, and all groundwater on the landward side of the baseline from which the breadth of territorial waters is measured.</p>
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River: Body of inland water flowing for the most part on the surface of the land but which may flow underground for part of its course.

Lake: Body of standing inland surface water.

Transitional waters: Bodies of surface water in the vicinity of river mouths which are partly saline in character as a result of their proximity to coastal waters but which are substantially influenced by freshwater flows.

Coastal water: Surface water on the landward side of a line, every point of which is at a distance of one nautical mile on the seaward side from the nearest point of the baseline from which the breadth of territorial waters is measured, extending where appropriate up to the outer limit of transitional waters.

Territorial sea: The territorial waters, or territorial sea as defined by the 1982 United Nations Convention on the Law of the Sea, extend up to a limit not exceeding 12 nautical miles (22.2 km), measured from the baseline. The normal baseline is the low-water line along the coast.

Territorial waters [Operational definition. Not in WFD.]: Reporting unit. The zone between the limit of the coastal water bodies and the limit of the territorial sea, geometrically subdivided in Thiessen polygons according to the adjacent coastal sub-unit (or using any alternative delineation provided by the national competent authorities), and assigned to an adjacent sub-unit for the purpose of reporting the chemical status of the territorial waters under the Water Framework Directive.

The dataset contains information the centrelines of rivers, lakes and transitional European surface bodies delineated for the 3rd River Basin Management Plans (RBMP) under the Water Framework Directive (WFD). The structure and content of the SurfaceWaterBodyCentreline dataset is documented in the WISE GIS Guidance (https://cdr.eionet.europa.eu/help/WFD/WFD_780_2022/GISGuidance/WISE_GIS_Guidance.pdf). A total of 21 countries reported the dataset: AT, BE, BG, CZ, DE, DK, EE, ES, FR, HR, HU, IE, IS, IT, LT, LV, NO, PL, PT, RO, SK. For the remaining countries reporting under WFD, and for some missing water bodies in the 23 countries listed above, the [hydroIdLocalId], [hydroIdNamespace], [geographicalNameText], [geographicalNameLanguage] and [continua] values are empty. The [geometry] column was directly copied from the SurfaceWaterBodyLine dataset, or contains an empty geometry if the the surface water body had been reported as polygon in the SurfaceWaterBody dataset. These cases are documented in the [qcCheck] value.

Data model:

The data set follows the WISE spatial data model described in the WISE GIS guidance, available at https://cdr.eionet.europa.eu/help/WFD/WFD_780_2022/GISGuidance/WISE_GIS_Guidance.pdf

The formal specification is available at https://dd.eionet.europa.eu/schema/WFD2022/GML_SurfaceWaterBodyCentreline_2022.xsd/view

The shapefile templates are available at https://cdr.eionet.europa.eu/help/WFD/WFD_780_2022/Shapes/SurfaceWaterBodyCentreline.zip

Refer to the WISE GIS guidance for the mapping between the GML elements in the XML schema and the corresponding fields in Shapefile format.

Data sources:

For the 3rd River Basin Management Plans, spatial data was reported under the "Water Framework Directive - River Basin Management Plans - 2022 Spatial data" See https://rod.eionet.europa.eu/obligations/780_for_further_information_on_the_reporting.

Hierarchy level

Dataset

Reference System Information

Reference System Information

Code

[EPSG:4326](#)

Metadata

Metadata identifier

ab581748-a757-4056-b6bb-f7797b91be6f

Language

English

Character encoding

UTF8

Contact

Organisation

Individual

Electronic
mail
address

Website Role

European Environment Agency

sdi@eea.
europa.eu

Point
of
contact

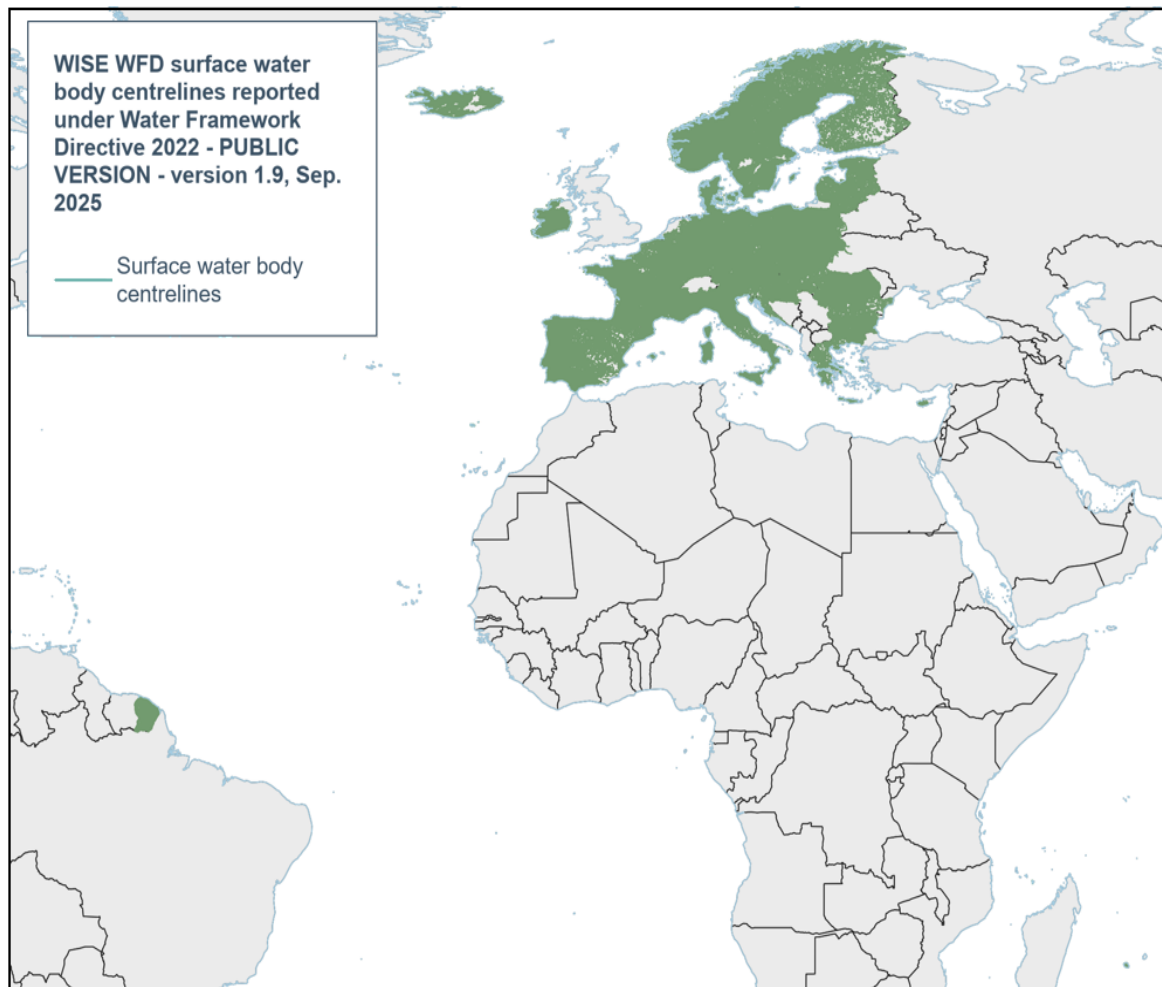
Type of resource

Resource type	Dataset
Metadata linkage	https://sdi.eea.europa.eu/catalogue/srv/api/records/ab581748-a757-4056-b6bb-f7797b91be6f
Date info (Creation)	2025-09-15T06:56:08.688942Z
Date info (Revision)	2025-11-25T14:48:45.062888Z

Metadata standard

Title	ISO 19115/19139
Edition	1.0

Overviews



Provided by

