



WISE WFD Reference Spatial Datasets reported under Water Framework Directive 2016 - PUBLIC VERSION - version 1.9, Sep. 2025

The dataset contains information on the European river basin districts, the river basin district sub-units, the surface water bodies and the groundwater bodies delineated for the 2nd River Basin Management Plans (RBMP) under the Water Framework Directive (WFD) as well as the European monitoring sites used for the assessment of the status of the above mentioned surface water bodies and groundwater bodies.

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 2nd RBMPs due in 2016 (hereafter WFD2016). See <http://rod.eionet.europa.eu/obligations/715> for further information on the WFD2016 reporting. See also <https://rod.eionet.europa.eu/obligations/766> for information on the Environmental Quality Standards Directive - Preliminary programmes of measures and supplementary monitoring.

Where available, spatial data related to the 3rd RBMPs due in 2022 (hereafter WFD2022) was used to update the WFD2016 data. See <https://rod.eionet.europa.eu/obligations/780> for further information on the WFD2022 reporting.

Note:

* This dataset has been reported by the member states. The subsequent QC revealed some problems caused by self-intersections elements. Data in GPKG-format should be processed using QGIS.

Simple

Identification info

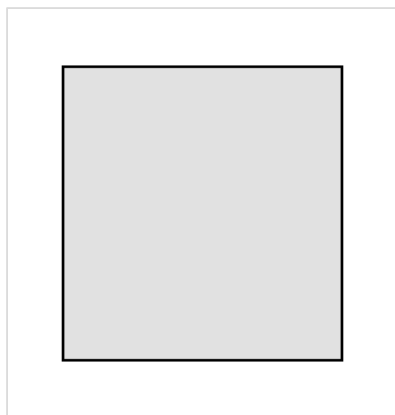
Date (Creation)	2025-07-09													
Date (Revision)	2025-08-29													
Date (Publication)	2025-10-23													
Edition	01.09													
Citation identifier	eea_v_4326_250_k_wise-wfd2016_p_2016-2025_v01_r09													
Citation identifier	DAT-30-en													
Point of contact	<table border="0"> <tr> <td>Organisation</td> <td>Individual</td> <td>Electronic mail address</td> <td>Website</td> <td>Role</td> </tr> <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> </table>	Organisation	Individual	Electronic mail address	Website	Role	European Environment Agency		sdi@eea.europa.eu	http://www.eea.europa.eu	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										
Spatial representation type	Vector													

Spatial resolution

Equivalent scale

Denominator	250000
Topic category	<ul style="list-style-type: none"> • Environment • Inland waters • Geoscientific information

Extent



Extent

Temporal extent

Time period	2016-05-05 2025-07-09
Maintenance and update frequency	As needed
EEA topics	<ul style="list-style-type: none"> • Water
GEMET - INSPIRE themes, version 1.0	<ul style="list-style-type: none"> • Area management/restriction/regulation zones and reporting units • Environmental monitoring facilities
WISE metadata keywords, version 1.0, 2009-10-01	<ul style="list-style-type: none"> • Water Information System for Europe (WISE) • Water Framework Directive (WFD) • River basin district • Sub unit • Monitoring station • Groundwater body • Surface water body • Surface water • Water body
Continents, countries, sea regions of the world.	<ul style="list-style-type: none"> • Finland • Denmark • Portugal • Estonia • Croatia • Slovakia • Iceland • Slovenia • Hungary • Belgium • Italy • Cyprus • Austria • Netherlands • Bulgaria • Latvia • Greece • France

	<ul style="list-style-type: none"> • Sweden • Spain • Germany • Poland • Norway • Czechia • Ireland • Malta • Luxembourg • Lithuania • Romania
INSPIRE - Feature Concept Dictionary, version 3	<ul style="list-style-type: none"> • River Basin • WFD Surface Water Body • WFD Ground Water Body • Surface Water • WFD Coastal Water • WFD Lake • WFD River • WFD Transitional Water
GEMET	<ul style="list-style-type: none"> • aquifer • river basin • water (geographic) • surface water • water body • water resources management • river basin management • monitoring station • groundwater
Spatial scope	<ul style="list-style-type: none"> • European
INSPIRE priority data set	<ul style="list-style-type: none"> • River basin districts (Water Framework Directive) • Directive 2000/60/EC • Water bodies (Water Framework Directive) • Lakes (Water Framework Directive) • Monitoring stations (Water Framework Directive) • River network (Water Framework Directive) • Groundwater bodies (Water Framework Directive) • Coastal waters (Water Framework Directive) • Rivers (Water Framework Directive) • River basin districts sub-units (Water Framework Directive) • Transitional waters (Water Framework Directive) • Surface water bodies (Water Framework Directive)
Reporting obligations	<ul style="list-style-type: none"> • Water Framework Directive - River Basin Districts and Competent Authorities • Water Framework Directive - Monitoring Programmes • Environmental Quality Standards Directive - Preliminary programmes of measures and supplementary monitoring • Water Framework Directive - River Basin Management Plans - 2016 RBD XML data • Water Framework Directive - River Basin Management Plans - 2016 RBDSUCA XML data • Water Framework Directive - River Basin Management Plans - 2016 Reporting • Water Framework Directive - Characterisation of River Basin Districts • Water Framework Directive - River Basin Management Plans - 2022 Spatial data • Water Framework Directive - River Basin Management Plans - 2010 Reporting • Water Framework Directive - River Basin Management Plans - 2016 Spatial data
EEA Management Plan	<ul style="list-style-type: none"> • 2024 1.1.6
Resource constraints	
Access constraints	Other restrictions

Other constraints	no limitations to public access
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Resource constraints

Use constraints	Other restrictions
Other constraints	For further information and specification regarding the use limitations and constraints please consult the technical report which is provided together with the data.

Associated resource

Association Type	Revision Of
Metadata Reference	<ul style="list-style-type: none"> • WISE WFD Reference Spatial Datasets reported under Water Framework Directive 2016 - PUBLIC VERSION - version 1.4, Apr. 2020

Language	English
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Character encoding	UTF8
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Additional Information	<p>Relevant concepts:</p> <p>River basin district (RBD): The area of land and sea, made up of one or more neighbouring river basins together with their associated groundwaters and coastal waters, which is the main unit for management of river basins.</p> <p>River basin: The area of land from which all surface run-off flows through a sequence of streams, rivers and, possibly, lakes into the sea at a single river mouth, estuary or delta.</p> <p>Sub-basin: The area of land from which all surface run-off flows through a series of streams, rivers and, possibly, lakes to a particular point in a water course (normally a lake or a river confluence).</p> <p>Sub-unit [Operational definition. Not in the WFD]: Reporting unit. River basin districts larger than 50000 square kilometre should be divided into comparable sub-units with an area between 5000 and 50000 square kilometre. The sub-units should be created using river basins (if more than one river basin exists in the RBD), set of contiguous river basins, or sub-basins, for example. If the RBD area is less than 50000 square kilometre, the RBD itself should be used as a sub-unit.</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> <p>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.</p> <p>Lake: Body of standing inland surface water.</p> <p>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.</p> <p>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.</p> <p>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.</p>
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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.

Groundwater body: 'Body of groundwater' means a distinct volume of groundwater within an aquifer or aquifers.

Groundwater: All water which is below the surface of the ground in the saturation zone and in direct contact with the ground or subsoil.
 Aquifer: Subsurface layer or layers of rock or other geological strata of sufficient porosity and permeability to allow either a significant flow of groundwater or the abstraction of significant quantities of groundwater.

Monitoring site: [Operational definition. Not in the WFD] Monitoring point included in a WFD surveillance, operational or investigative monitoring programme.

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-wfd2016_p_2016-2025_v01_r09
OnLine resource	Direct download
OnLine resource	WISE WFD reference spatial data sets Technical report
OnLine resource	Status and quality elements of European surface water bodies for the 2nd River basin management plans
OnLine resource	European groundwater bodies delineated for the 2nd River Basin Management
OnLine resource	European monitoring sites used for the 2nd River Basin Management Plans
OnLine resource	European river basin districts (RBD) and sub-units delineated for the 2nd River Basin Management Plans
OnLine resource	European surface bodies delineated for the 2nd River Basin Management Plans
OnLine resource	https://water.discomap.eea.europa.eu/arcgis/services/WISE_WFD/WFD2016_GroundWaterBody_WM/MapServer/WMServer?request=GetCapabilities&service=WMS
OnLine resource	https://water.discomap.eea.europa.eu/arcgis/services/WISE_WFD/WFD2016_MonitoringSite_WM/MapServer/WMServer?request=GetCapabilities&service=WMS
OnLine resource	https://water.discomap.eea.europa.eu/arcgis/services/WISE_WFD/WFD2016_RiverBasinDistrict_WM/MapServer/WMServer?request=GetCapabilities&service=WMS
OnLine resource	https://water.discomap.eea.europa.eu/arcgis/services/WISE_WFD/WFD2016_SurfaceWaterBody_WM/MapServer/WMServer?request=GetCapabilities&service=WMS
OnLine resource	https://water.discomap.eea.europa.eu/arcgis/services/WISE_WFD/WFD2016_QualityElements_WM/MapServer/WMServer?request=GetCapabilities&service=WMS

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>1) Data model</p> <p>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</p> <p>Some additional fields are present:</p> <p>cYear: Integer field containing the value 2016 for the 2nd River Basin Management Plans data, and 2018 for the Environmental Quality Standards Directive supplementary monitoring data.</p> <p>country: Two-letter ISO code of the country (ISO 3166 alpha-2), except for Greece and the United Kingdom, for which the abbreviations EL and UK are used.</p> <p>lat: Latitude, in decimal degrees, of an arbitrary point located within the geometry of the object (if available)</p> <p>lon: Longitude, in decimal degrees, of an arbitrary point located within the geometry of the object (if available)</p> <p>statusCode: Status code of the thematic identifier in the WISE register (refer to Status for further information).</p> <p>statusDate: Date of reference for the status code (typically the date when the data was extracted for publication).</p> <p>statusRemarks: Additional information about the status code of the superseding object, if any.</p> <p>2) Data sources</p> <p>For the 2nd River Basin Management Plans, spatial data was reported under the "Water Framework Directive - River Basin Management Plans - 2016 Spatial data" (hereafter WFD2016). See http://rod.eionet.europa.eu/obligations/717 for further information on the reporting.</p> <p>For the Environmental Quality Standards Directive - Preliminary programmes of measures and supplementary monitoring, see further information under https://rod.eionet.europa.eu/obligations/766</p> <p>For the EU27 countries, Iceland and Norway, the data was consolidated with the full national datasets reported under the "Water Framework Directive - River Basin Management Plans - 2022 Spatial data" (hereafter WFD2022). See http://rod.eionet.europa.eu/obligations/780 for further information on the reporting.</p> <p>Refer to the Technical Report which accompanies the data set the full list of CDR data sets.</p> <p>3) Data processing</p> <p>Refer to the Technical Report which accompanies the data set for further information.</p> <p>4) Data quality</p> <p>No geometric or topological error correction was performed.</p> <p>Basic automated editing of string values (upper-casing, trimming, removal of invalid characters or values) was performed.</p> <p>Refer to the Data Quality report of the CDR deliveries (http://rod.eionet.europa.eu/obligations/717/deliveries) for further information.</p> <p>5) WISE registers</p> <p>For river basin districts and sub-units, the register of WISE thematic identifiers is kept in http://dd.eionet.europa.eu/vocabulary/wise/SpatialUnit</p> <p>For surface water bodies and groundwater bodies, the register of WISE thematic identifiers is kept in http://dd.eionet.europa.eu/vocabulary/wise/WaterBody</p>
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For monitoring sites, the register of WISE thematic identifiers is kept in <http://dd.eionet.europa.eu/vocabulary/wise/MonitoringSite>

Hierarchy level

Dataset

Reference System Information

Reference System Information

Code

[EPSG:4326](#)

Metadata

Metadata identifier

6f122aa0-5677-47c3-a081-f6b14b87d81b

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/6f122aa0-5677-47c3-a081-f6b14b87d81b>

Date info (Creation)

2025-09-10T07:16:05.096932Z

Date info (Revision)

2025-10-23T12:15:10.008816Z

Metadata standard

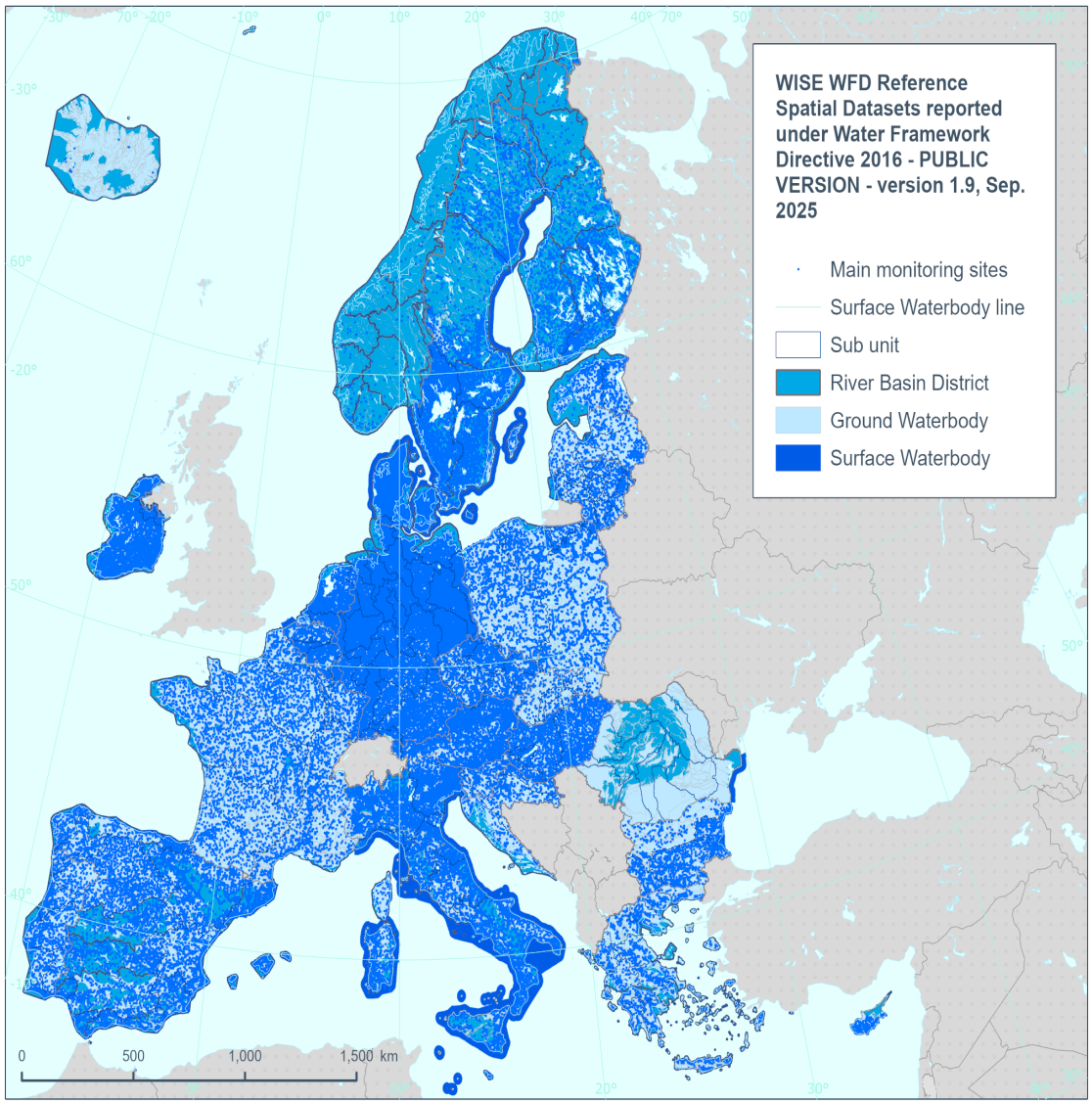
Title

ISO 19115/19139

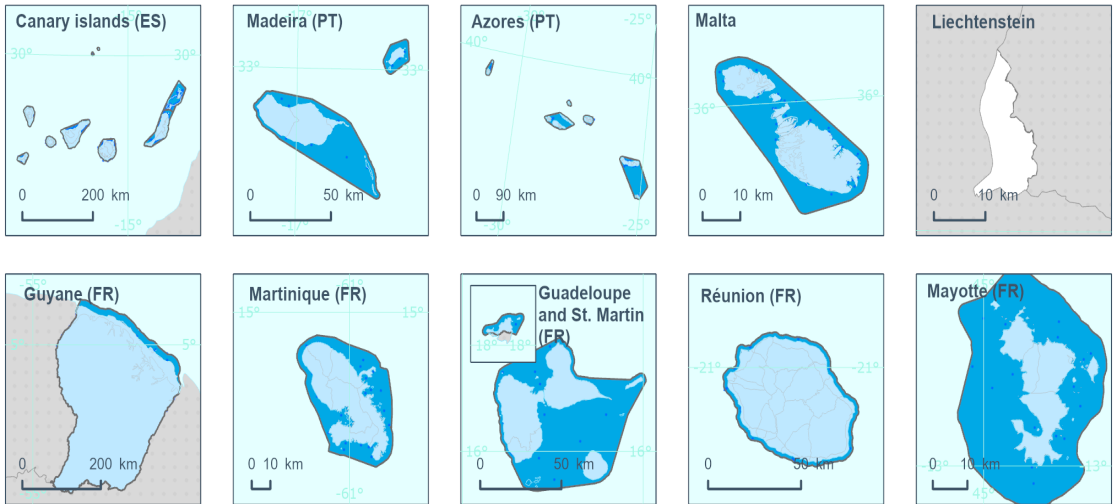
Edition

1.0

Overviews



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



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