



## WISE WFD Reference Spatial Datasets reported under Water Framework Directive 2022 - PUBLIC VERSION - version 1.5, Jul. 2023

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 3rd 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 3rd RBMPs due in 2022 (hereafter WFD2022). See <http://rod.eionet.europa.eu/obligations/803> for further information on the WFD2022 reporting.

### Simple

Date (Creation)	2023-07-12				
Date (Revision)	2023-07-12				
Date (Publication)	2023-07-12				
Edition	01.05				
Citation identifier	eea_v_4326_250_k_wise-wfd2022_p_2019-2023_v01_r05				
Citation identifier	DAT-30-en				
Status	Superseded				
Point of contact	Organisation name	Individual name	Electronic mail address	Website	Role
	European Environment Agency		sdi@eea.europa.eu	<a href="http://www.eea.europa.eu">http://www.eea.europa.eu</a>	Point of contact

### Point of contact

No information provided.

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No information provided.

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No information provided.

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No information provided.

Maintenance and update frequency	As needed
EEA topics	<ul style="list-style-type: none"><li>Water</li></ul>
GEMET - INSPIRE themes, version 1.0	<ul style="list-style-type: none"><li>Environmental monitoring facilities</li><li>Area management/restriction/regulation zones and reporting units</li></ul>
WISE metadata keywords, version 1.0, 2009-10-01	<ul style="list-style-type: none"><li>Water Information System for Europe (WISE)</li></ul>

	<ul style="list-style-type: none"><li>• Water Framework Directive (WFD)</li><li>• River basin district</li><li>• Sub unit</li><li>• Monitoring station</li><li>• Groundwater body</li><li>• Surface water body</li><li>• Surface water</li><li>• Water body</li></ul>
Keywords	
Keywords	
Continents, countries, sea regions of the world.	<ul style="list-style-type: none"><li>• Denmark</li><li>• Germany</li><li>• Poland</li><li>• Portugal</li><li>• Slovakia</li><li>• Belgium</li><li>• Austria</li><li>• Spain</li><li>• Slovenia</li><li>• France</li><li>• Ireland</li><li>• Iceland</li><li>• Finland</li><li>• Croatia</li><li>• Netherlands</li><li>• Cyprus</li><li>• Latvia</li><li>• Bulgaria</li><li>• Czechia</li><li>• Norway</li><li>• Greece</li><li>• Luxembourg</li><li>• Romania</li><li>• Sweden</li><li>• Lithuania</li><li>• Italy</li><li>• Estonia</li><li>• Malta</li><li>• Hungary</li></ul>
INSPIRE - Feature Concept Dictionary, version 3	<ul style="list-style-type: none"><li>• River Basin</li><li>• WFD Surface Water Body</li></ul>

	<ul style="list-style-type: none"> <li>• WFD Ground Water Body</li> <li>• Surface Water</li> <li>• WFD Coastal Water</li> <li>• WFD Lake</li> <li>• WFD River</li> <li>• WFD Transitional Water</li> </ul>
<b>GEMET</b>	<ul style="list-style-type: none"> <li>• river basin</li> <li>• water body</li> <li>• water (geographic)</li> <li>• water resources management</li> <li>• groundwater</li> <li>• aquifer</li> <li>• surface water</li> <li>• monitoring station</li> <li>• river basin management</li> </ul>
<b><a href="#">Spatial scope</a></b>	<ul style="list-style-type: none"> <li>• <a href="#">European</a></li> </ul>
<b>INSPIRE priority data set</b>	<ul style="list-style-type: none"> <li>• Monitoring stations (Water Framework Directive)</li> <li>• River network (Water Framework Directive)</li> <li>• Directive 2000/60/EC</li> <li>• Groundwater bodies (Water Framework Directive)</li> <li>• River basin districts sub-units (Water Framework Directive)</li> <li>• Water bodies (Water Framework Directive)</li> <li>• Lakes (Water Framework Directive)</li> <li>• River basin districts (Water Framework Directive)</li> <li>• Rivers (Water Framework Directive)</li> <li>• Transitional waters (Water Framework Directive)</li> <li>• Surface water bodies (Water Framework Directive)</li> <li>• Coastal waters (Water Framework Directive)</li> </ul>
<b><a href="#">Reporting obligations</a></b>	<ul style="list-style-type: none"> <li>• <a href="#">Water Framework Directive - Characterisation of River Basin Districts</a></li> <li>• <a href="#">Water Framework Directive - Monitoring Programmes</a></li> <li>• <a href="#">Water Framework Directive - River Basin Management Plans - 2022 Reporting</a></li> <li>• <a href="#">Water Framework Directive - Programmes of Measures - 2024 reporting</a></li> <li>• <a href="#">Water Framework Directive - River Basin Management Plans - 2022 RBDSUCA XML data</a></li> <li>• <a href="#">Water Framework Directive - River Basin Districts and Competent Authorities</a></li> <li>• <a href="#">Water Framework Directive - River Basin Management Plans - 2022 Spatial data</a></li> </ul>
<b>EEA Management Plan</b>	<ul style="list-style-type: none"> <li>• 2023 1.1.2</li> </ul>
<b>Access constraints</b>	Other restrictions
<b>Other constraints</b>	<a href="#">no limitations to public access</a>
<b>Use constraints</b>	Other restrictions
<b>Other constraints</b>	For further information and specification regarding the use limitations and constraints please consult the technical report which is provided together with the data.
<b>Spatial representation type</b>	Vector

Denominator	250000
Language of dataset	English
Character set	UTF8
Topic category	<ul style="list-style-type: none"><li>• Environment</li><li>• Inland waters</li><li>• Geoscientific information</li></ul>

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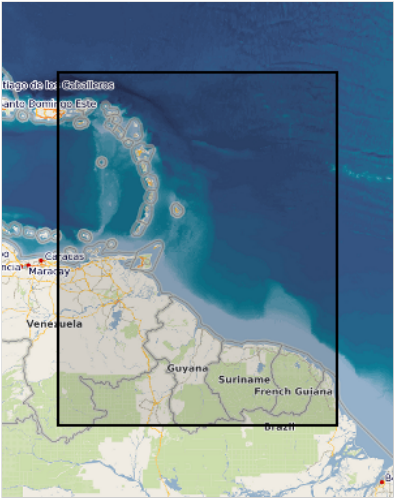


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<b>Begin date</b>	2019-08-28
<b>End date</b>	2023-07-12
<b>Additional Information</b>	<p>Relevant concepts:</p> <p>River basin district (RBD): The area of land and sea, made up of one or more neighboring river basins together with their associated 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 kilometers should be divided into comparable sub-units with an area between 5000 and 50000 square kilometers. 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 kilometers, 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> <p>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.</p>

	<p>Groundwater body: 'Body of groundwater' means a distinct volume of groundwater within an aquifer or aquifers.</p> <p>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.</p> <p>Monitoring site: [Operational definition. Not in the WFD] Monitoring point included in a WFD surveillance, operational or investigative monitoring programme.</p>		
Coordinate reference system identifier	<a href="#">EPSG:4326</a>		
Distribution format	<ul style="list-style-type: none"> <li>Geopackage ( 1.0)</li> </ul>		
OnLine resource	<p><b>Protocol</b></p> <p>EEA:FOLDERPATH</p> <p>WWW:URL</p> <p>ESRI:REST</p> <p>ESRI:REST</p> <p>ESRI:REST</p> <p>ESRI:REST</p> <p>OGC:WMS</p> <p>OGC:WMS</p> <p>OGC:WMS</p>	<p><b>Linkage</b></p> <p><a href="https://sdi.eea.europa.eu/webdav/datastore/public/eea_v_4326_250_k_wise-wfd2022_p_2019-2023_v01_r05/">https://sdi.eea.europa.eu/webdav/datastore/public/eea_v_4326_250_k_wise-wfd2022_p_2019-2023_v01_r05/</a></p> <p><a href="https://sdi.eea.europa.eu/data/fe9a31a0-9595-41b1-9f33-9dcda219acf3">https://sdi.eea.europa.eu/data/fe9a31a0-9595-41b1-9f33-9dcda219acf3</a></p> <p><a href="https://water.discomap.eea.europa.eu/arcgis/services/WISE_WFD/WFD2016_SurfaceWaterBody_WM/MapServer?wsdl">https://water.discomap.eea.europa.eu/arcgis/services/WISE_WFD/WFD2016_SurfaceWaterBody_WM/MapServer?wsdl</a></p> <p><a href="https://water.discomap.eea.europa.eu/arcgis/services/WISE_WFD/WFD2016_GroundWaterBody_WM/MapServer/WMServer?request=GetCapabilities&amp;service=WMS">https://water.discomap.eea.europa.eu/arcgis/services/WISE_WFD/WFD2016_GroundWaterBody_WM/MapServer/WMServer?request=GetCapabilities&amp;service=WMS</a></p> <p><a href="https://water.discomap.eea.europa.eu/arcgis/services/WISE_WFD/WFD2022_MonitoringSite_WM/MapServer?wsdl">https://water.discomap.eea.europa.eu/arcgis/services/WISE_WFD/WFD2022_MonitoringSite_WM/MapServer?wsdl</a></p> <p><a href="https://water.discomap.eea.europa.eu/arcgis/services/WISE_WFD/WFD2022_RiverBasinDistrict_WM/MapServer?wsdl">https://water.discomap.eea.europa.eu/arcgis/services/WISE_WFD/WFD2022_RiverBasinDistrict_WM/MapServer?wsdl</a></p> <p><a href="https://water.discomap.eea.europa.eu/arcgis/services/WISE_WFD/WFD2022_MonitoringSite_WM/MapServer/WMServer?request=GetCapabilities&amp;service=WMS">https://water.discomap.eea.europa.eu/arcgis/services/WISE_WFD/WFD2022_MonitoringSite_WM/MapServer/WMServer?request=GetCapabilities&amp;service=WMS</a></p> <p><a href="https://water.discomap.eea.europa.eu/arcgis/services/WISE_WFD/WFD2022_RiverBasinDistrict_WM/MapServer/WMServer?request=GetCapabilities&amp;service=WMS">https://water.discomap.eea.europa.eu/arcgis/services/WISE_WFD/WFD2022_RiverBasinDistrict_WM/MapServer/WMServer?request=GetCapabilities&amp;service=WMS</a></p> <p><a href="https://water.discomap.eea.europa.eu/arcgis/services/WISE_WFD/WFD2022_GroundWaterBody_WM/MapServer/WMServer?request=GetCapabilities&amp;service=WMS">https://water.discomap.eea.europa.eu/arcgis/services/WISE_WFD/WFD2022_GroundWaterBody_WM/MapServer/WMServer?request=GetCapabilities&amp;service=WMS</a></p>	<p><b>Name</b></p> <p>Direct download</p> <p>WISE WFD surface water bodies reported under Water Framework Directive 2022 - Web Service</p> <p>WISE WFD groundwater bodies reported under Water Framework Directive 2022 - Web Service</p> <p>WISE WFD monitoring sites reported under Water Framework Directive 2022 - Web Service</p> <p>WISE WFD river basin district and river basin district sub-units reported under Water Framework Directive 2022 - Web Service</p> <p>0</p> <p>1</p> <p>0</p>



OGC:WMS	<a href="https://water.discomap.eea.europa.eu/arcgis/services/WISE_WFD/WFD2022_SurfaceWaterBody_WM/MapServer/WMSServer?request=GetCapabilities&amp;service=WMS">https://water.discomap.eea.europa.eu/arcgis/services/WISE_WFD/WFD2022_SurfaceWaterBody_WM/MapServer/WMSServer?request=GetCapabilities&amp;service=WMS</a>	1
OGC:WMS	<a href="https://water.discomap.eea.europa.eu/arcgis/services/WISE_WFD/WFD2022_SurfaceWaterBody_WM/MapServer/WMSServer?request=GetCapabilities&amp;service=WMS">https://water.discomap.eea.europa.eu/arcgis/services/WISE_WFD/WFD2022_SurfaceWaterBody_WM/MapServer/WMSServer?request=GetCapabilities&amp;service=WMS</a>	2
OGC:WMS	<a href="https://water.discomap.eea.europa.eu/arcgis/services/WISE_WFD/WFD2022_RiverBasinDistrict_WM/MapServer/WMSServer?request=GetCapabilities&amp;service=WMS">https://water.discomap.eea.europa.eu/arcgis/services/WISE_WFD/WFD2022_RiverBasinDistrict_WM/MapServer/WMSServer?request=GetCapabilities&amp;service=WMS</a>	0
WWW:DOWNLOAD-1.0-http--download	<a href="https://sdi.eea.europa.eu/catalogue/srv/api/records/fe9a31a0-9595-41b1-9f33-9dcda219acf3/attachments/WISE_WFD_ReferenceSpatialDataSets_2023-07-12.pdf?approved=true">https://sdi.eea.europa.eu/catalogue/srv/api/records/fe9a31a0-9595-41b1-9f33-9dcda219acf3/attachments/WISE_WFD_ReferenceSpatialDataSets_2023-07-12.pdf?approved=true</a>	WISE WFD reference spatial data sets

## OnLine resource

No information provided.

Hierarchy level	Dataset
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## Conformance 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

Statement	<p>1) Data model</p> <p>The data set follows the WISE spatial data model described in the WISE GIS guidance, available at <a href="https://cdr.eionet.europa.eu/help/WFD/WFD_780_2022/GISGuidance/WISE_GIS_Guidance.pdf">https://cdr.eionet.europa.eu/help/WFD/WFD_780_2022/GISGuidance/WISE_GIS_Guidance.pdf</a></p> <p>Some additional fields are present:</p> <p>cYear: Integer field containing the value 2022 for the 3rd River Basin Management Plans data.</p> <p>country: Two-letter ISO code of the country (ISO 3166 alpha-2), except for Greece for which the abbreviations EL.</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 3rd River Basin Management Plans, spatial data was reported under the "Water Framework Directive - River Basin Management Plans - 2022 Spatial data" (hereafter WFD2022). See <a href="https://rod.eionet.europa.eu/obligations/780%20for%20further%20information%20on%20the%20reporting">https://rod.eionet.europa.eu/obligations/780 for further information on the reporting</a>.</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>
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Basic automated editing of string values (upper-casing, trimming, removal of invalid characters or values) was performed.

Refer to the Data Quality report of the CDR deliveries ( <https://rod.eionet.europa.eu/obligations/780/deliveries>) for further information.

5) WISE registers

For river basin districts and sub-units, the register of WISE thematic identifiers is kept in <http://dd.eionet.europa.eu/vocabulary/wise/SpatialUnit>

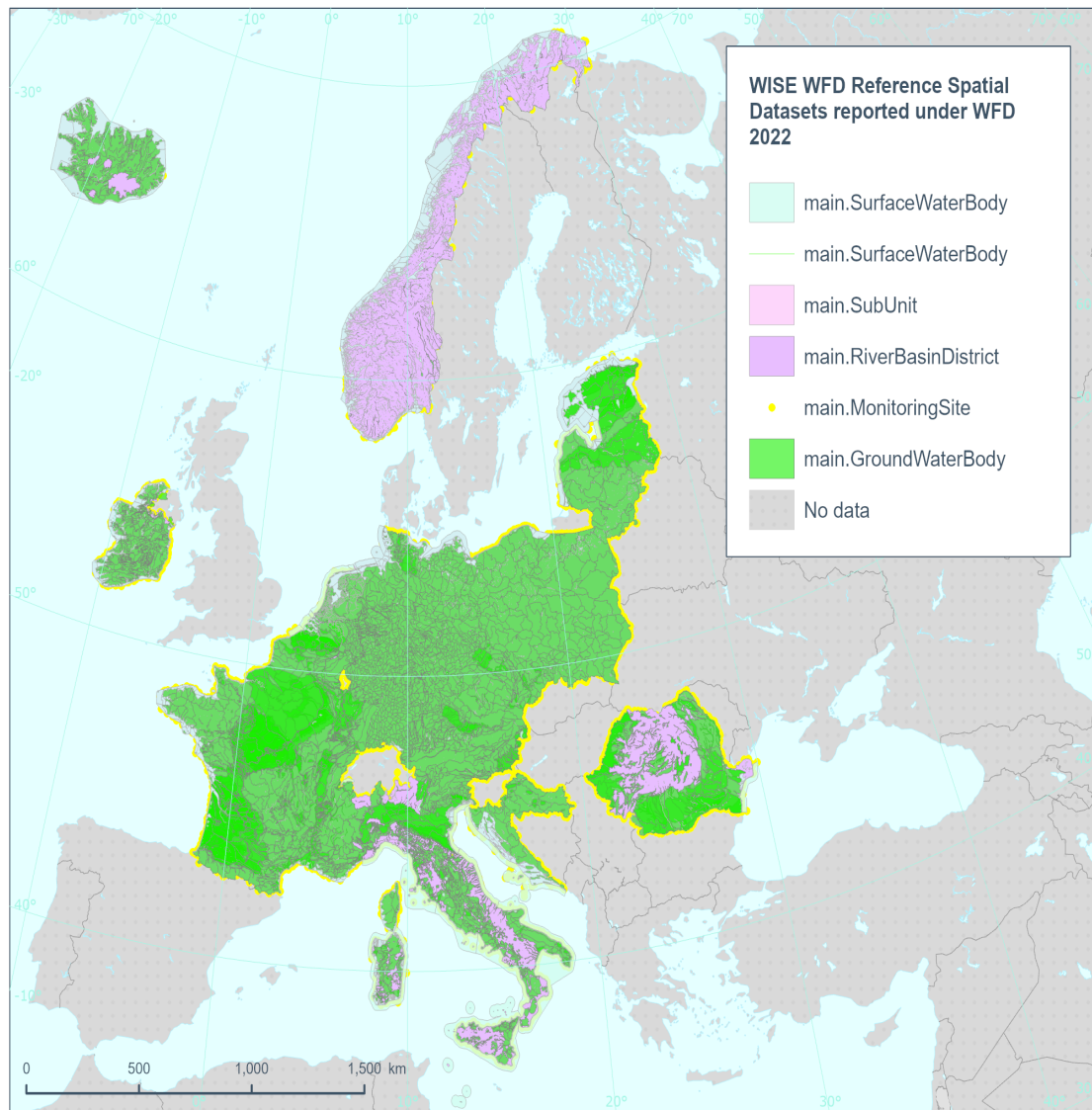
For surface water bodies and groundwater bodies, the register of WISE thematic identifiers is kept in <http://dd.eionet.europa.eu/vocabulary/wise/WaterBody>

For monitoring sites, the register of WISE thematic identifiers is kept in <http://dd.eionet.europa.eu/vocabulary/wise/MonitoringSite>

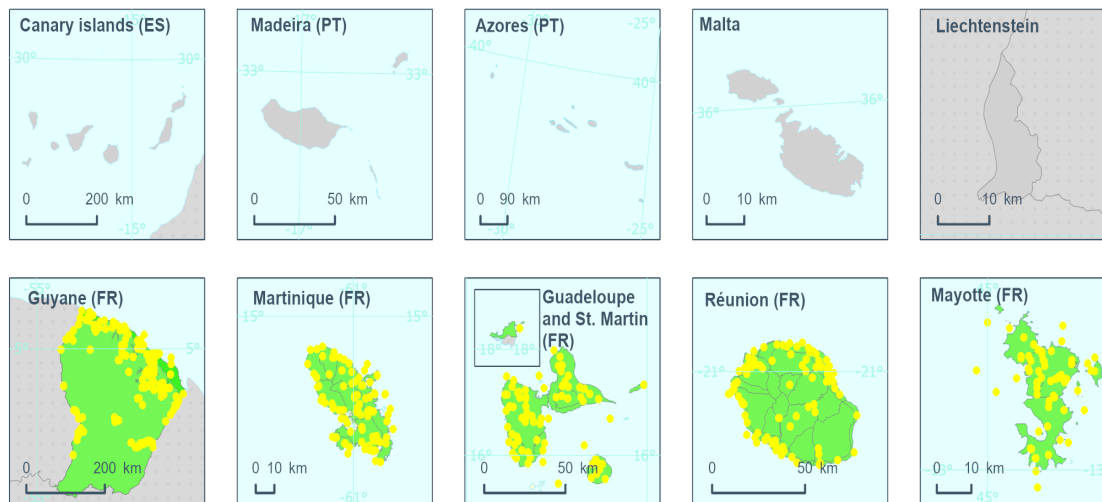
Metadata

File identifier	fe9a31a0-9595-41b1-9f33-9dcda219acf3 <a href="#">XML</a>		
Metadata language	English		
Character set	UTF8		
Hierarchy level	Dataset		
Date stamp	2024-05-23T08:42:48.188812Z		
Metadata standard name	ISO 19115/19139		
Metadata standard version	1.0		
Metadata author	Organisation name	Individual name	Electronic mail addressWebsite Role
	European Environment Agency		sdi@eea.europa.euPoint of contact

Overviews



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



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