

Extended wetland ecosystem layer 2012 (raster 100m) version 2, Jul. 2021

A great diversity of wetlands exists making the definition of a wetland ecosystem both challenging and controversial. The development of an extended wetland ecosystem layer according to the definition of the Ramsar convention is an explicit policy request in Europe which builds on an ecosystem-based justification of an inclusive definition, delimitation and delineation of wetlands, looking at the "hydro-ecological" boundaries of this ecosystem (including their wetness and flow characteristics).

This metadata refer to the raster dataset presenting the ecosystem wetlands extent in 2012. This includes 20 wetland classes which, besides inland and coastal wetlands, includes transitional ecosystems corresponding to wetlands such as riparian forests, wet grasslands, estuaries, or rice fields.

Simple

Date (Creation)	2021-07-31																	
Date (Publication)	2022-06-30																	
Edition	02.00																	
Citation identifier	eea_r_3035_100_m_extended-wetland-ecosystem_p_2012_v02_r00																	
Point of contact	<table border="1"> <thead> <tr> <th>Organisation name</th> <th>Individual name</th> <th>Electronic mail address</th> <th>Website</th> <th>Role</th> </tr> </thead> <tbody> <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> <tr> <td>European Environment Agency</td> <td></td> <td>sdi@eea.europa.eu</td> <td></td> <td>Custodian</td> </tr> </tbody> </table>	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		
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No information provided.

Maintenance and update frequency	As needed
GEMET - INSPIRE themes, version 1.0	<ul style="list-style-type: none"> Land cover
Keywords	
Keywords	
GEMET	<ul style="list-style-type: none"> wetlands ecosystem wetland biodiversity ecosystem assessment ecosystem Water Framework Directive
Continents, countries, sea regions of the world.	<ul style="list-style-type: none"> United Kingdom EEA38 (from 2020)
Spatial scope	<ul style="list-style-type: none"> European
EEA topics	<ul style="list-style-type: none"> Biodiversity

Access constraints	Other restrictions
Other constraints	no limitations to public access
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).
Spatial representation type	Grid
Distance	100 100 m
Language of dataset	English
Topic category	<ul style="list-style-type: none">• Environment

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Begin date	2012-01-01		
End date	2018-12-31		
Coordinate reference system identifier	EPSG:3035		
Distribution format	<ul style="list-style-type: none"> • GeoTIFF () 		
OnLine resource	Protocol	Linkage	Name
	EEA:FOLDERPATH	https://sdi.eea.europa.eu/webdav/datastore/public/eea_r_3035_100_m_extended-wetland-ecosystem_p_2012_v02_r00/TIFF/	
	WWW:URL	https://sdi.eea.europa.eu/data/20ffb807-db6f-4d06-8598-2103432cf45b	Direct download
	ESRI:REST	https://land.discomap.eea.europa.eu/arcgis/rest/services/Land/Extended_wetland_ecosystem_2012_v2021/ImageServer	
	OGC:WMS	https://land.discomap.eea.europa.eu/arcgis/services/Land/Extended_wetland_ecosystem_2012_v2021/ImageServer/WMServer?request=GetCapabilities&service=WMS	
Hierarchy level	Dataset		

Conformance result

Date (Publication)	2010-12-08
Explanation	See the referenced specification

Statement	<p>The dataset "Extended wetland ecosystem" is a derived product of the CLC layer for the year 2012 (v20) which has then been reclassified into 20 wetland classes on the basis of ancillary spatial layers ("Water and Wetness 2018" and "Riparian Zone Layer" Copernicus products, the "Ecosystem types of Europe" v3.1 and "The Global Spatial Water Explorer" datasets). Compared to the previous version (version 1, Nov. 2019), this dataset has been updated using the latest version of the Copernicus High Resolution Layer Water and Wetness (WAW) 2018, which fully replaces the previous incomplete product (v.1.1) and now identifies the "Temporary wet" class.</p> <p>The first holistic map of wetland ecosystems at European level (38 EIONET countries plus the UK), was produced and presented within the European Commission Mapping and Assessing Ecosystems and their Services Working Group (EC MAES WG), following an explicit policy request in Europe.</p> <p>Besides the traditional types of inland and coastal wetlands (i.e. marshes, rivers, lakes, lagoons, estuaries), the layer also covers the forest, grassland and agricultural ecosystems which are seasonally or permanently flooded (i.e. riparian forests, wet grasslands, rice fields) and are therefore considered as wetlands according to the Ramsar Convention definition and typology. This wetland reclassification and mapping considers their hydro-ecological characteristics and provides information about the real spatial extent and distribution of varied wetland habitats.</p>
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For more details, please refer to the Wetland Thematic Assessment chapter (Maes et al., 2020; <http://publications.jrc.ec.europa.eu/repository/handle/JRC12038> 3)

Wetland habitats are defined based on the revised classification of the MAES nomenclature, and the guidelines set within the Horizon 2020 Satellite-based Wetland Observation Service (SWOS; <https://www.swos-service.eu/>)

The dataset has been validated against the regional wetland inventories of Andalusia and continental Greece.

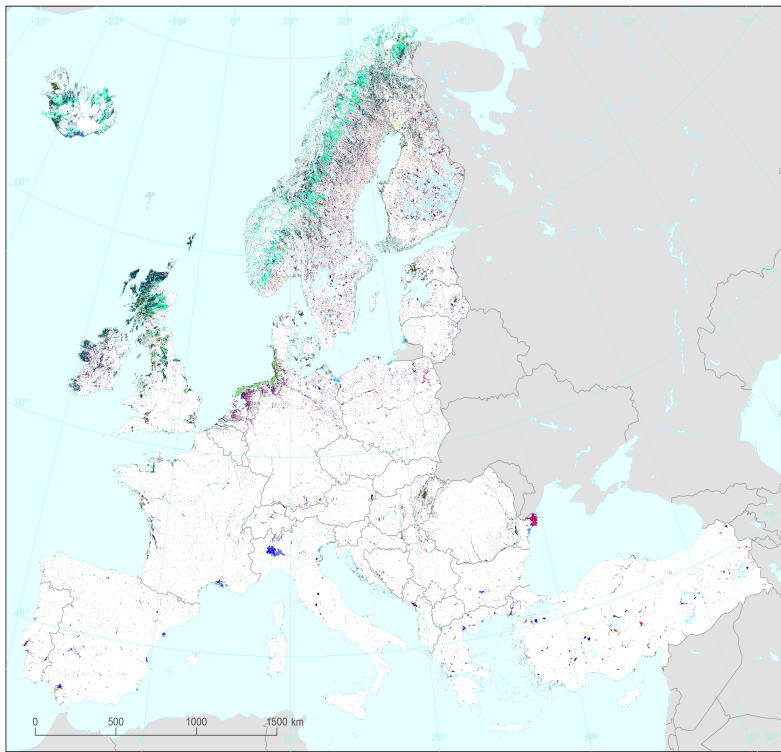
Source

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Metadata

File identifier	20ffb807-db6f-4d06-8598-2103432cf45b XML		
Metadata language	English		
Character set	UTF8		
Hierarchy level	Dataset		
Date stamp	2022-07-15T09:50:55.189Z		
Metadata standard name	ISO 19115/19139		
Metadata standard version	1.0		
Metadata author	Organisation name	Individual name	Electronic mail address Website Role
	European Environment Agency		sdi@eea.europa.eu Point of contact

Overviews



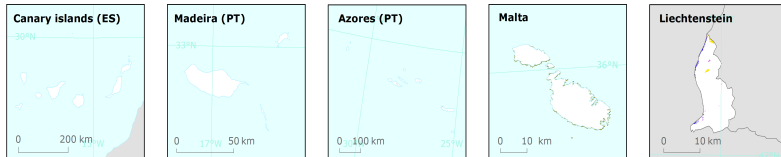
Extended wetland ecosystem layer 2012

Ext_wetland_2012.tif

Classes

- Inland marshes
- Beaches, dunes, sand
- Coastal lagoons
- Coastal saltpans (highly artificial salinas)
- Intertidal flats
- Lakes, ponds and reservoirs
- Managed or grazed wet meadow or pasture
- Marine waters less than six metres deep at low tide
- Natural seasonally or permanently wet grasslands
- No Wetland
- Open mires
- Rice Fields
- Riparian, fluvial and mixed forest
- Riparian, fluvial and swamp broadleaved forest
- Riparian, fluvial and swamp coniferous forest
- River estuaries and estuarine waters of deltas
- Riverine and fen scrubs
- Salt marshes
- Water courses
- Wet heaths
- Outside coverage

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



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