Riparian Zones Delineation (raster), Aug. 2015

Riparian zones represent transitional areas occurring between land and freshwater ecosystems, characterised by distinctive hydrology, soil and biotic conditions and strongly influenced by the stream water. They provide a wide range of riparian functions (e.g. chemical filtration, flood control, bank stabilization, aquatic life and riparian wildlife support, etc.) and ecosystem services.

The Riparian Zones products support the objectives of several European legal acts and policy initiatives, such as the EU Biodiversity Strategy to 2020, the Habitats and Birds Directives and the Water Framework Directive.

The delineation of Riparian Zones is based on a complex spatial modelling approach, making use of the Riparian Zones' LC/LU classification, large-scale earth observation data and a range of additional geo-data sources, as well as derived spatially explicit indicators. Inputs are regionally parameterised and weighted according to relative importance in a fuzzy modelling approach. The zones provide a majority of riparian functions with a focus on ecosystem services.

The production of the Riparian Zones products was coordinated by the European Environment Agency in the frame of the EU Copernicus programme.

Simple

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Status	Obsolete

Point of contact	Organisation name	Individual name	Electronic mail address	Website	Role
	European Commission			https://commission.europa.eu	Owner
	Copernicus Land Monitoring Service		copernicus@eea.europa.eu	https://land.copernicus.eu	Custodian
	European Environment Agency		sdi@eea.europa.eu	http://www.eea.europa.eu	Publisher
	Copernicus Land Monitoring Service helpdesk		copernicus@eea.europa.eu	https://land.copernicus.eu/en/contact-service-helpdesk	Point of contact

Maintenance and update frequency	Continual
GEMET - INSPIRE themes, version 1.0	• Land cover
Keywords	
Continents, countries, sea regions of the world.	• EEA39
Keywords	
GEMET	• freshwater ecosystem • bank (land) • riparian zone

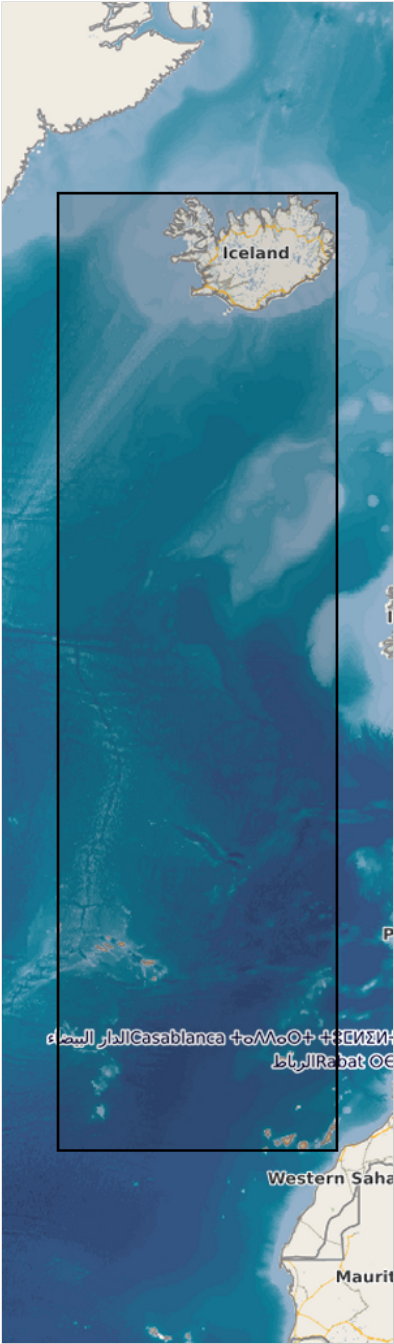|	
	- land use - filtration - landscape alteration
Spatial scope	European
EEA Management Plan	2017 3.6.2
EEA topics	- Biodiversity - Water - Land use
Access constraints	Other restrictions
Other constraints	no limitations to public access
Use constraints	Other restrictions
Other constraints	The Copernicus component is governed by Regulation (EU) No 2021/696 of the European Parliament and of the Council of 28 April 2021 establishing the Union Space Programme and the European Union Agency for the Space Programme and repealing Regulations (EU) No 912/2010, (EU) No 1285/2013 and (EU) No 377/2014 and Decision No 541/2014/EU. Within the Copernicus component, a portfolio of land monitoring activities has been delegated by the European Union to the European Environment Agency (EEA) and the DG Joint Research Centre of the European Commission. The Copernicus land monitoring products and services are made available on a principle of full, open and free access, as established by the Commission Delegated Regulation (EU) No 1159/2013 of 12 July 2013. Free, full and open access to the products and services of the Copernicus Land Monitoring Service is made on the conditions that: 1. When distributing or communicating Copernicus Land Monitoring Service products and services (data, software scripts, web services, user and methodological documentation and similar) to the public, users shall inform the public of the source of these products and services. 2. Where the Copernicus Land Monitoring Service products and services have been adapted or modified by the user, the user shall clearly state this. 3. Users shall make sure not to convey the impression to the public that the user's activities are officially endorsed by the European Union.
Spatial representation type	Grid
Distance	50 m
Language of dataset	English
Character set	UTF8
Topic category	- Environment - Imagery base maps earth cover
Begin date	2011-01-01
End date	2013-12-31

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Coordinate reference system identifier	EPSG:3035

Distribution format	• GeoTIFF (1.0)

Distributor

Distributor contact	Organisation name	Individual name	Electronic mail address	Website Role

Ordering instructions	This dataset is no longer accessible from the website of the Copernicus Land Monitoring Service. You can request access to this dataset by contacting the service desk of the Copernicus Land Monitoring Service at copernicus@eea.europa.eu.

Hierarchy level	Dataset

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	The calculation is based on the stratification of different hydrological and geomorphological parameters. These parameters are derived from the input datasets and are weighted differently dependent on their significance and quality. The resulting membership degree of each input parameter is finally combined into a single membership degree expressing the likelihood of an area to be part of a potential riparian zone. Qualitative assessment: due to the absence of European-wide harmonized reference data on the location and characteristics of riparian zones in sufficient thematic detail, a qualitative expert assessment approach has been chosen for the riparian zones layer, making use of the unique expertise of the freelance expert consultants who are available to the project team and who are recognized among the most renowned European experts in this domain, being also the authors of the most relevant scientific publications in the recent years. The experts conducted an in-depth review of the riparian zones delineation modelling approach and the associated relevant algorithms and membership functions, which were checked and approved by them. The experts provided also support and advise on the correct model parameterization and final modelling of the riparian zones products, such that the final results are considered properly quality-assessed and validated by this scientific expert-assessment approach.

Metadata

File identifier	e61d0641-ef07-4224-a6ed-6d2d42a4ef23 XML
Metadata language	English

Character set	UTF8
Hierarchy level	Dataset
Date stamp	2023-09-26T14:23:08.55Z
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

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