

Riparian Zones Delineation (vector), 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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Point of contact

No information provided.

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

	• land use
	freshwater ecosystem
	landscape alteration
	riparian zone
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	Access to data is based on a principle of full, open and free access as established by the Copernicus data and information policy Regulation (EU) No 1159/2013 of 12 July 2013. This regulation establishes registration and licensing conditions for GMES/Copernicus users.
	Free, full and open access to this data set is made on the conditions that:
	When distributing or communicating Copernicus dedicated data and Copernicus service information to the public, users shall inform the public of the source of that data and information.
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Spatial representation type	Vector
Distance	10 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

N S E W



N S E W



Additional Information	Spatial Resolution information: The Minimum Mapping Width is 10 m		
Coordinate reference system identifier	EPSG:3035		
Distribution format	• SHP (1.1)		

Distributor

Distributor contact	Organisation name	Elect Individual name mail addre	Website Role
Ordering instructions		the website of the Copernicus Land Monitoring Service. y contacting the service desk of the Copernicus Land Monitoring Service	at copernicus@eea.
OnLine resource	Protocol WWW:LINK-1.0-httplink	Linkage https://land.copernicus.eu/en/products/riparian-zones /delineation-of-riparian-zones-catchments- regions#Download	Name Download (requires authentication)
OnLine resource Hierarchy level		https://land.copernicus.eu/en/products/riparian-zones/delineation-of-riparian-zones-catchments-	Download (requires

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

Statement

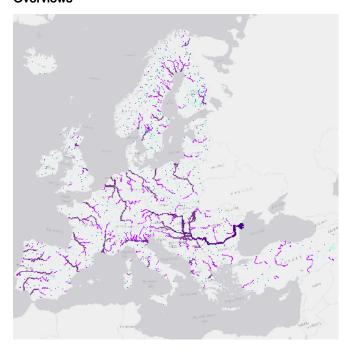
The calculation is based on the stratification of different hydrological and geomorphological parameters. These parameters are derived from the input datasets and are weighted differently dependent on their significance and quality. The resulting membership degree of each input parameter is finally combined 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.

Minimum Mapping Unit: 0.5 ha. Minimum Mapping Width: 10 m.

Metadata

File identifier	f0f9610c-8446-45ed-88bd-eaa137bef5ab XML			
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Overviews



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