

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

Date (Creation)	2015-08-08				
Date (Publication)	2015-08-08				
Edition	xx.xx				
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Citation identifier	DAT-191-en				
Status	Obsolete				
Point of contact	Organisation name	Individual name	Electronic mail address	Website	Role
	European Environment Agency		copernicus@eea.europa.eu	https://land.copernicus.eu	Distributor
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Point of contact

No information provided.

Maintenance and update frequency	Continual
GEMET - INSPIRE themes, version 1.0	<ul style="list-style-type: none"> Land cover
Keywords	
Continents, countries, sea regions of the world.	<ul style="list-style-type: none"> EEA39
Keywords	
GEMET	<ul style="list-style-type: none"> freshwater ecosystem bank (land)

	<ul style="list-style-type: none"> • riparian zone • land use • filtration • landscape alteration
Spatial scope	<ul style="list-style-type: none"> • European
EEA Management Plan	<ul style="list-style-type: none"> • 2017 3.6.2
EEA topics	<ul style="list-style-type: none"> • Biodiversity • Water • Land use
Access constraints	Other restrictions
Other constraints	no limitations to public access
Use constraints	Other restrictions
Other constraints	<p>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.</p> <p>Free, full and open access to this data set is made on the conditions that:</p> <ol style="list-style-type: none"> 1. 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. 2. Users shall make sure not to convey the impression to the public that the user's activities are officially endorsed by the Union. 3. Where that data or information has been adapted or modified, the user shall clearly state this. 4. The data remain the sole property of the European Union. Any information and data produced in the framework of the action shall be the sole property of the European Union. Any communication and publication by the beneficiary shall acknowledge that the data were produced "with funding by the European Union".
Spatial representation type	Grid
Distance	50 m
Language of dataset	English
Character set	UTF8
Topic category	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> GeoTIFF (1.0)

Distributor

Distributor contact	Distributor contact			
	Organisation name	Individual name	Electronic mail address	Website Role
Ordering instructions	<p>This dataset is no longer accessible from the website of the Copernicus Land Monitoring Service.</p> <p>You can request access to this dataset by contacting the service desk of the Copernicus Land Monitoring Service at copernicus@eea.europa.eu .</p>			

Hierarchy level	Dataset
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Conformance result

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

Statement	<p>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.</p>
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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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