

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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| Status | Obsolete | | | | | |
| Point of contact | Organisation name | Individual name | Electronic mail | Website | Role | |
| | European Commission | | | https://commission. | 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 | | | | | |
| | 1 | | | | | |

| | • land use | | |
|-----------------------------|---|--|--|
| | • filtration | | |
| | landscape alteration | | |
| Spatial scope | European | | |
| EEA Management Plan | • 2017 3.6.2 | | |
| | Biodiversity | | |
| EEA topics | • 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. | | |
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| | 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. | | |
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| | 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 | | |

N S E W



Е N s



| Coordinate reference system identifier | EPSG:3035 |
|--|---------------|
| Distribution format | GeoTIFF (1.0) |

| Distributor | | | | |
|-----------------------|--|--|--|--|
| Distributor contact | Organisation name | Individual name | Electronic mail Website Role address | |
| Ordering instructions | | e from the website of the Copernicus Land Monitoring Service aset by contacting the service desk of the Copernicus Land N | | |
| Hierarchy level | Dataset | | | |
| Conformance result | 1 | | | |
| Title | • • • • | 089/2010 of 23 November 2010 implementing Directive 2007 ability of spatial data sets and services | /2/EC of the European Parliament and | |
| Date (Publication) | 2010-12-08 | | | |
| Explanation | See the referenced specification | | | |
| Statement | from the input datasets and are wei each input parameter is finally comb riparian zone. Qualitative assessme | atification of different hydrological and geomorphological para ighted differently dependent on their significance and quality. bined into a single membership degree expressing the likelih ent: due to the absence of European-wide harmonized refere | The resulting membership degree of good of an area to be part of a potential ence 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

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|-------------------|--|--|
| Metadata language | English | |

| | European Environment Agency | | sdi@eea. europa.eu | | Point of contact |
|---------------------------|-----------------------------|-----------------|--------------------------------------|--|------------------|
| Metadata author | Organisation name | Individual name | Electronic mail Website Role address | | |
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| Metadata standard name | ISO 19115/19139 | | | | |
| Date stamp | 2023-09-26T14:23:08.55Z | | | | |
| Hierarchy level | Dataset | | | | |
| Character set | UTF8 | | | | |

Overviews



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