



Riparian Zones Green Linear Elements (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.

Green Linear Elements (GLE) are ecologically significant, structural landscape elements which act as important dispersion vectors of biodiversity. GLEs comprise hedgerows and lines of trees and offer a wide range of ecosystem services: they are linked to both landscape richness and fragmentation of habitats, with a direct potential for restoration, and contribute also to hazard protection. Green linear elements form part of the Green Infrastructure and are specifically addressed in the EU Biodiversity Strategy 2020. The GLE product provides reliable and detailed geospatial information on the occurrence and spatial distribution of: Small linear vegetation features such as hedgerows, scrub and tree rows with a minimum length of 100m and a width of up to 10m; Isolated patches of trees and scrub with a size between 500 m² and 0.5 ha. Green linear elements including trees and hedgerows with 100m minimum length and 500 m² Minimum Mapping Unit (MMU).

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

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Date (Creation)	2015-08-08				
Date (Publication)	2015-08-08				
Edition	xx.xx				
Citation identifier	copernicus_v_3035_10_m_rz-gle_p_2011-2013_vxx_rxx				
Citation identifier	DAT-191-en				
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	<ul style="list-style-type: none">Land cover				
Keywords					
Continents, countries, sea regions of the world.	<ul style="list-style-type: none">EEA39				
Keywords					
	<ul style="list-style-type: none">hedge				

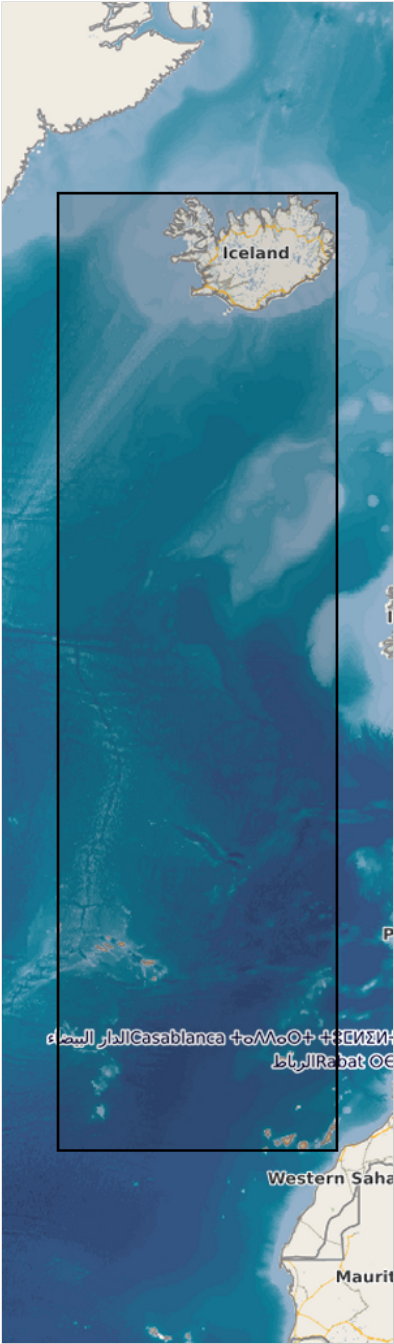
GEMET	<ul style="list-style-type: none"> land cover ecosystem services landscape alteration riparian zone tree land use
Spatial scope	<ul style="list-style-type: none"> European
EEA Management Plan	<ul style="list-style-type: none"> 2017 3.6.2
EEA topics	<ul style="list-style-type: none"> Water Land use Biodiversity
Access constraints	Other restrictions
Other constraints	no limitations to public access
Use constraints	Other restrictions
Other constraints	<p>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.</p> <p>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.</p> <p>Free, full and open access to the products and services of the Copernicus Land Monitoring Service is made on the conditions that:</p> <ol style="list-style-type: none"> 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	Vector
Distance	10 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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Additional Information	Spatial Resolution information: The Minimum Mapping Width is 10 m
Coordinate reference system identifier	EPSG:3035
Distribution format	<ul style="list-style-type: none"> SHP (1.1)

Distributor

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>			

OnLine resource	Protocol	Linkage	Name
	WWW:LINK-1.0-http--link	https://land.copernicus.eu/en/products/riparian-zones/green-linear-elements-in-riparian-zones-catchments-regions#Download	Download (requires authentication)
Hierarchy level	Dataset		

Conformance result

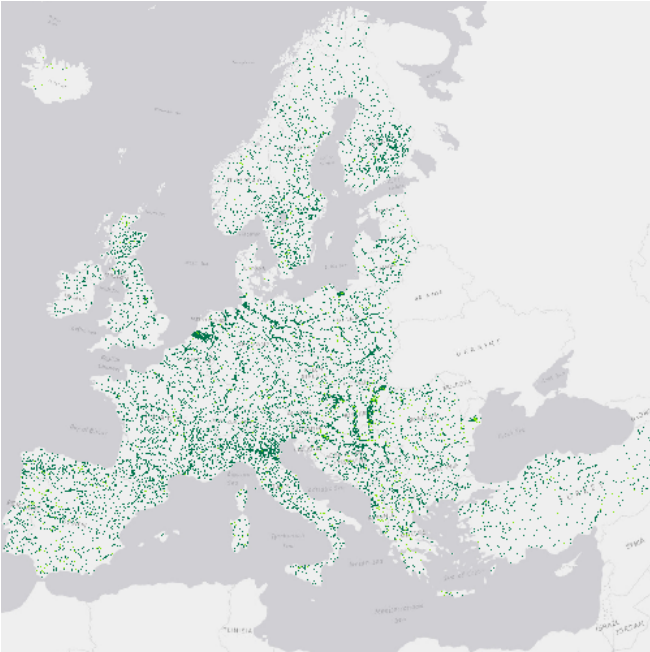
Title	Commission Regulation (EU) No 1089/2010 of 23 November 2010 implementing Directive 2007/2/EC of the European Parliament and of the Council as regards interoperability of spatial data sets and services
Date (Publication)	2010-12-08
Explanation	See the referenced specification

Statement	<p>Semi-automatic classification and visual interpretation of Green Linear Elements (Nomenclature: 1: trees; 2: hedgerows and scrub) on 1.5m SPOT-6 and 2.5m SPOT-5 HRG satellite data from the DWH_MG2b_CORE_03 dataset (Optical VHR2 coverage over EU 2011-2013 and Riparian zones) with subsequently automated GIS-based generalisation. Geometric differentiation into linear structures as well as patches by considering a compactness factor (1. Linear structures of hedgerows/scrub and tree rows; 2. Patches of tree and hedgerows/scrub).</p> <p>Minimum Mapping Unit: 0.5 ha. Minimum Mapping Width: 10 m.</p>
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Metadata

File identifier	9538a26a-d55d-4ba0-b77c-92eeb61d3061 XML		
Metadata language	English		
Character set	UTF8		
Hierarchy level	Dataset		
Date stamp	2023-09-26T14:24:00.677Z		
Metadata standard name	ISO 19115/19139		
Metadata standard version	1.0		
Metadata author	Organisation name	Individual name	Electronic mail addressWebsite Role
	European Environment Agency		sdi@eea.europa.euPoint of contact

Overviews



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