



Small Woody Features 2018 (raster 5 m), Europe, 3-yearly, May 2023

High Resolution land cover characteristics for the 2018 reference year. Small woody landscape features are important vectors of biodiversity and provide information on fragmentation of habitats with a direct potential for restoration while also providing a link to hazard protection and green infrastructure, amongst others. VHR_IMAGE_2018 made available in the ESA Copernicus DWH will be the main data source for the detection of small woody features identifiable within the given image resolution. The Small Woody Features (SWFs) layer contains woody linear and patchy elements but will not be further differentiated into trees, hedges, bushes and scrub. The spatial pattern shall be limited to linear structures and isolated patches on the basis of geometric characteristics.

Simple

Date (Publication)	2023-05-10
Edition	1.0
Citation identifier	copernicus_r_3035_5_m_swf-2018_p_2017-2019_v01_r00
Code	10.2909/a8e683b1-2f96-45c8-827f-580a79413018

Point of contact

No information provided.

Maintenance and update frequency	Annually
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">land useland coverlandscape alterationlandlandscape
Spatial scope	<ul style="list-style-type: none">European
EEA topics	<ul style="list-style-type: none">Land use
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>

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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	5 m
Language of dataset	English
Character set	UTF8
Topic category	<ul style="list-style-type: none">• Environment

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Begin date	2017-01-01		
End date	2019-12-31		
Coordinate reference system identifier	EPSG:3035		
Distribution format	<ul style="list-style-type: none"> • GeoTIFF () • () 		
OnLine resource	Protocol ESRI:REST OGC:WMS WWW:LINK-1.0-http--link	Linkage https://image.discomap.eea.europa.eu/arcgis/rest/services/GioLandPublic/HRL_SmallWoodyFeatures_2015_005m/ImageServer https://copernicus.discomap.eea.europa.eu/arcgis/services/GioLandPublic/HRL_SmallWoodyFeatures_2018_005m/ImageServer/WMSServer?request=GetCapabilities&service=WMS https://land.copernicus.eu/pan-european/high-resolution-layers/small-woody-features/small-woody-features-2018?tab=download	Name 0 Download (requires authentication)

OnLine resource

No information provided.

OnLine resource	Protocol DOI 	Linkage https://doi.org/10.2909/a8e683b1-2f96-45c8-827f-580a79413018	Name
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>The HRL Small Woody Feature Raster Product is primarily based on a supervised classification of satellite image time-series from VHR_IMAGE_2018 acquired from May 2017 to September 2019.</p> <p>Geometric specifications: The Pixel resolution is 5m x 5 m. MMU, MML and MMW is applied on the vector product from which the raster product is derived.</p>
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Vector product: For patchy structures of trees and scrub the MMU is >200 m2 (size limit of 50 000m2). The MMW for linear structures /elements is < 30m. The MML for linear structures/elements is of > 30 m length.

The positional accuracy is less than 5 m.

Quality assurance follows the ISO 9001:2015 standards for Quality Management and comprises of dedicated procedures of quality checks (QA breakpoints) during implementation of the production chain, in order to keep persistent control over the various stages of production, assure fitness-for-purpose of the end-products and that all quality requirements are fulfilled. Priority has been given to the target thematic accuracy to be achieved by each product, as well as to the issues of product consistency (spatial, thematic, temporal) and homogeneity.

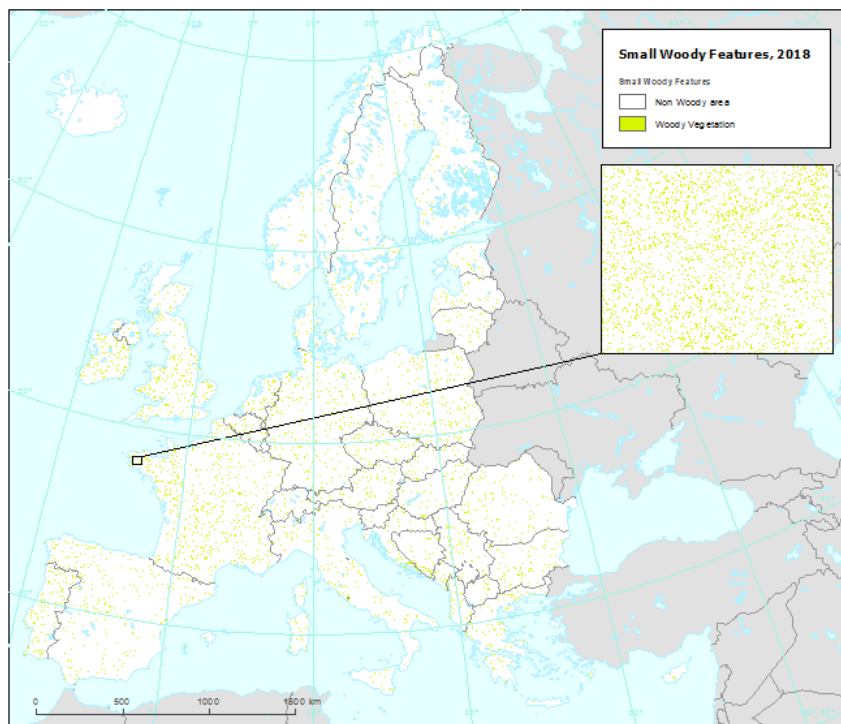
Quality Assessment: The quality assessment has been performed according to INSPIRE Data Specifications. The data quality elements considered are: (i) Completeness, (ii) Logical Consistency, (iii) positional accuracy, (iv) Thematic Accuracy, (v) Temporal quality and (vi) Usability.

Accuracy assessment approach: stratified random point sampling. Interpretation of sampling points has been performed on the best available reference data. The general accuracy level of the HRL SWF products shall be in the order of 80 % for Overall thematic Accuracy, User's Accuracy and Producer's Accuracy.

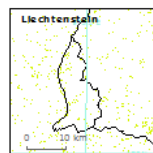
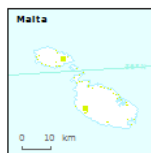
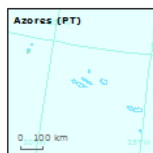
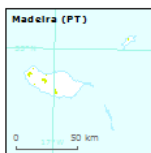
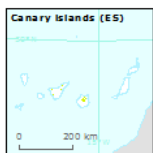
Metadata

File identifier	a8e683b1-2f96-45c8-827f-580a79413018 XML		
Metadata language	English		
Character set	UTF8		
Hierarchy level	Dataset		
Date stamp	2023-09-20T11:43:40.671Z		
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



Reference data: © EuroGeographics, © FAO (UN), © TurkStat Source: European Commission - Eurostat/GISCO



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