EEA geospatial data catalogue

Forest patches 2018 based on Copernicus HRL Forest products - version 1, Jun. 2021

This metadata refers to the raster dataset providing information about European forest patches in 2018 covering the EEA38 member states and the United Kingdom. The data show the extent and the location of these forest patches.

The methodology behind the dataset has been developed by JRC and is designed to provide a first overview and concise summary of the location and size class distribution of forest patches in a given forest map. The methodology provides a map product together with a statistical summary for a series of forest area classes. The forest area size classes can be used to describe the forest patch distribution at a given point in time, to directly compare the size distribution of different sites, as well as for temporal analysis which is of key importance in questions of landscape connectivity, restoration, risk assessment, habitat suitability and biodiversity studies (Vogt et al., 2019a, 2019b).

Details on the methodology, are described in Accounting-Manual, which is included in the GuidosToolbox software; Soille & Vogt, 2008.

Simple

Date (Creation)	2021-02-08
Date (Publication)	2021-02-08
Edition	01.00
Citation identifier	eea_r_3035_100_m_forest-patches-2018_p_2018_v01_r00

Point of contact

No information provided.

Maintenance and update frequency	Not planned
GEMET - INSPIRE themes, version 1.0	• Land cover • Land use
Keywords	
Keywords	
GEMET	• index • forestry • spatial distribution
Continents, countries, sea regions of the world.	• EEA38 (from 2020) • United Kingdom
Spatial scope	• European
EEA topics	• Land use • Forests and forestry • Biodiversity
Access constraints	Other restrictions
Other constraints	no limitations to public access
Use constraints	Other restrictions

Other constraints	EEA standard re-use policy: unless otherwise indicated, re-use of content on the EEA website for commercial or non-commercial purposes is permitted free of charge, provided that the source is acknowledged (http://www.eea.europa.eu/legal/copyright). Copyright holder: European Environment Agency (EEA).
Spatial representation type	Grid
Distance	100 m
Language of dataset	English
Topic category	• Environment

71.16	N	27.64	S	44.81	E	-31.28	W

Begin date	2018-01-01
End date	2018-12-31
Coordinate reference system identifier	EPSG:3035
Distribution format	• GeoTIFF ( )

OnLine resource

Protocol	Linkage	Name
EEA:FOLDERPATH	https://sdi.eea.europa.eu/webdav/datastore/public/eea_r_3035_100_m_forest-patches-2018_p_2018_v01_r00/GeoTIFF/	
OGC:WMS	https://forest.discomap.eea.europa.eu/arcgis/services/Forest_spatial_pattern/Patches_forest_2018/MapServer/WMSServer?request=GetCapabilities&service=WMS	
WWW:URL	https://sdi.eea.europa.eu/data/a178f24b-5b33-45ec-bd01-99b00b749de4	Direct download

OnLine resource

Protocol	Linkage	Name
ESRI:REST	https://forest.discomap.eea.europa.eu/arcgis/rest/services/Forest_spatial_pattern/Patches_forest_2018/MapServer	

Hierarchy level	Dataset

Conformance result

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

Statement

The dataset provides information about European forest patches in 2018, showing the extent and the location of these forest patches. The raster value is the identificator (ID) of each independent forest patch. The dataset is the result to apply the Accounting module on the forest pixels identified by the Copernicus HRL Forest Type (FTY) 2018 status layer at 100m spatial resolution covering the all EEA38 member countries and the United Kingdom. The FTY layer was converted to binary forest mask (forest/non-forest). By the Accounting sub-tool of GUIDOS toolbox, the independent forest patches are identified and labelled with unique object ID. A forest patch becomes independent if not a single '8-connection' to an adjacent forest pixel exists. All pixels connected by 'touching' at a corner point belong to the same patch.

The methodology was developed by JRC. Details on the methodology and processing are described in Accounting-Manual, which is included in the GuidosToolbox software; Vogt & Riitters (2017) and Soille & Vogt (2008).

https://ies-ows.jrc.ec.europa.eu/gtb/GTB/psheets/GTB-Objects-Accounting.pdf

Vogt P, Riitters, K, 2017. GuidosToolbox: universal digital image object analysis. European Journal of Remote Sensing, 50, 1, pp. 352-361, DOI: https://dx.doi.org/10.1080/22797254.2017.1330650

	Soille P, Vogt P, 2008. Morphological segmentation of binary patterns. Pattern Recognition Letters 30, 4:456-459, DOI: https://dx.doi.org/10.1016/j.patrec.2008.10.0 15
Source	• Forest Type 2018 (raster 100 m), Europe, 3-yearly, Oct. 2020

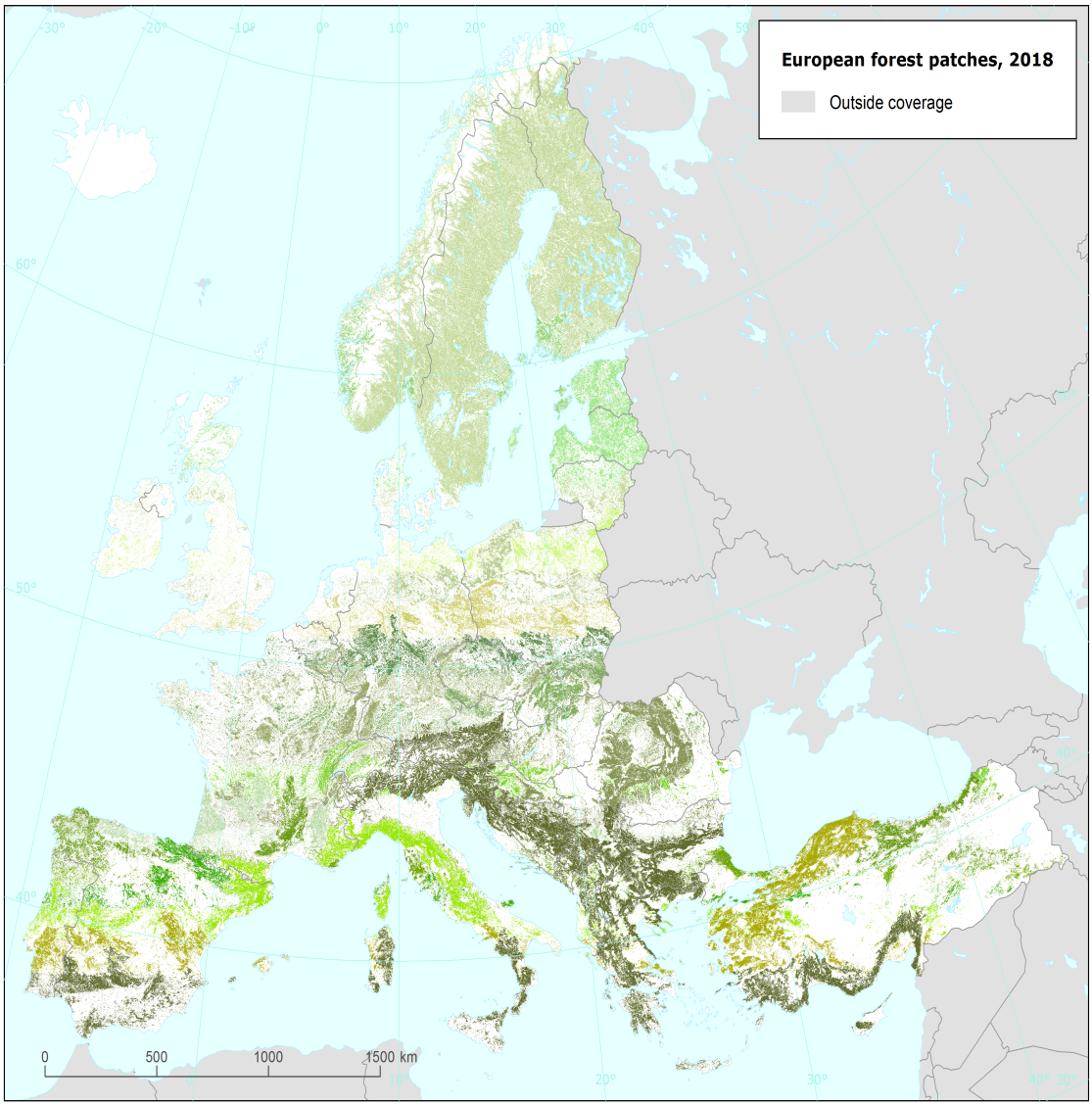
Metadata

File identifier	a178f24b-5b33-45ec-bd01-99b00b749de4 XML
Metadata language	English
Character set	UTF8
Hierarchy level	Dataset
Date stamp	2023-02-09T07:34:27.056Z
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

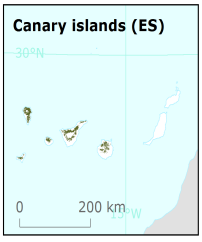
Metadata author

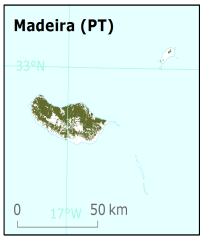
No information provided.

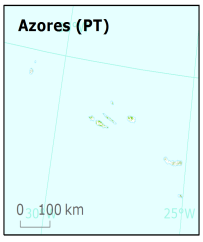
Overviews

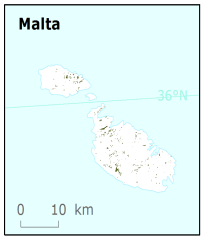


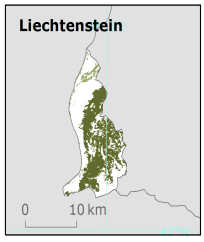
Reference data: © EuroGeographics, © FAO (UN), © TurkStat Source: European Commission – Eurostat/GISCO











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