



Forest morphological spatial pattern 2018 based on Copernicus High Resolution Layer (HRL) Forest products - version 1, Jun. 2021

This metadata refers to the dataset providing information about morphological spatial pattern of European forest in 2018 covering the all EEA38 member countries and United Kingdom. The input data is the Copernicus HRL Forest Type (FTY) 2018 product at 100m spatial resolution. This FTY2018 layer was converted to binary forest mask (forest / non-forest). The forest mask is divided, by MSPA tool, into seven morphological spatial pattern classes:

- * Core
- * Islet
- * Perforation
- * Edge
- * Loop
- * Bridge
- * Branch (Forest)

The Background (Non-Forest) is divided into three classes:

- * Core-Opening (Background inside Core)
- * Border-Opening (Background along Foreground boundary)
- * Background outside of Foreground.

Simple

Date (Creation)	2021-02-08		
Date (Publication)	2021-02-08		
Edition	v01_r00		
Citation identifier	eea_r_3035_100_m_forest-mspa-2018_p_2018_v01_r00		
Point of contact	Organisation name European Environment Agency European Environment Agency	Individual name Electronic mail sdi@eea.europa.eu Website http://www.eea.europa.eu Role Point of contact sdi@eea.europa.eu	Role Custodian
Maintenance and update frequency	Not planned		
GEMET - INSPIRE themes, version 1.0	<ul style="list-style-type: none">• Land cover• Land use		
Keywords			
Keywords			
GEMET	<ul style="list-style-type: none">• index• forestry• spatial distribution		
Continents, countries, sea regions of the world.	<ul style="list-style-type: none">• EEA38 (from 2020)		

	<ul style="list-style-type: none"> • United Kingdom
Spatial scope	<ul style="list-style-type: none"> • European
EEA topics	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • Environment

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Begin date	2018-01-01		
End date	2018-12-31		
Coordinate reference system identifier	EPSG:3035		
Distribution format	<ul style="list-style-type: none">GeoTIFF ()		
OnLine resource	Protocol EEA: FOLDERPATH WWW: URL OGC: WMS	Linkage https://sd.eea.europa.eu/webdav/datastore/public/eea_r_3035_100_m_forest-mspa-2018_p_2018_v01_r00/GTiff/ https://sd.eea.europa.eu/data/a050df5e-d074-4518-9fa0-13c23a4f6d8a https://forest.discomap.eea.europa.eu/arcgis/services/Forest_spatial_pattern/MSPA_forest_2018/MapServer/WMServer?request=GetCapabilities&service=WMS	Name Direct download WMS Web Map Service
OnLine resource	Protocol ESRI: REST	Linkage https://forest.discomap.eea.europa.eu/arcgis/rest/services/Forest_spatial_pattern/MSPA_forest_2018/MapServer	Name ESRI Rest service
Hierarchy level	Dataset		
Conformance result			
Date (Publication)	2010-12-08		
Explanation	See the referenced specification		
Statement	<p>The dataset provides information about morphological spatial pattern of European forest in 2018 covering the all EEA38 member countries and the United Kingdom. This dataset is the result to apply the full version of the MSPA analysis (8-connectivity rule) to the forest pixels identify by the Copernicus HRL Forest Type (FTY) product at 100m spatial resolution. This FTY 2018 layer was converted to binary forest mask (forest/non-forest). This is divided into seven MSPA classes: Core, Islet, Perforation, Edge, Loop, Bridge, and Branch (Forest), while the Background (Non-Forest) is divided into three classes: Core-Opening (Background inside Core), Border-Opening (Background along Foreground boundary) and Background outside of Foreground.</p> <p>The Morphological Spatial Pattern Analysis (MSPA) methodology was developed by JRC. Details on the methodology and processing are described in MSPA-Manual, which is included in the Guido's Toolbox software; Vogt & Riitters (2017) and Soille & Vogt (2008). In short, MSPA is a customized sequence of mathematical morphological operators targeted at the description of the geometry and connectivity of the image components.</p> <p>https://forest.jrc.ec.europa.eu/en/activities/lpa/mspa/</p>		

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.2008.10.015>

Source

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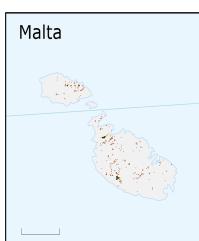
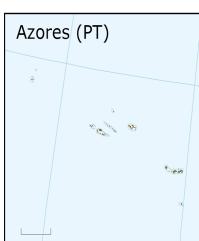
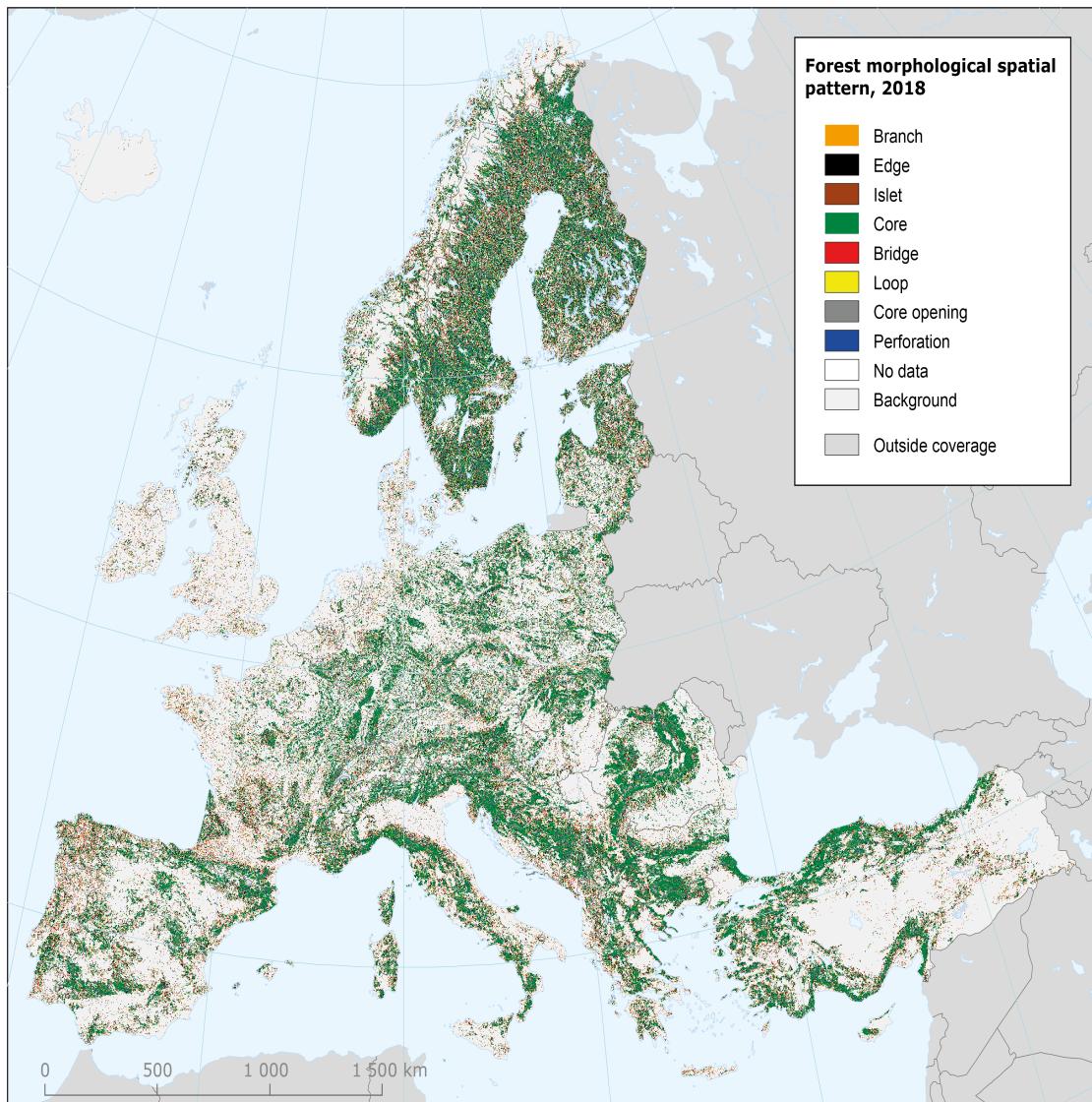
Metadata

File identifier	a050df5e-d074-4518-9fa0-13c23a4f6d8a XML			
Metadata language	English			
Character set	UTF8			
Hierarchy level	Dataset			
Date stamp	2023-02-09T07:38:27.493Z			
Metadata standard name	ISO 19115/19139			
Metadata standard version	1.0			
Metadata author	Organisation name European Environment Agency	Individual name	Electronic mail sdi@eea.europa.eu	Website Role address Point of contact

Metadata author

No information provided.

Overviews



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