

Tree Cover Change Mask 2015-2018 (raster 20 m), Europe, 3-yearly, Dec. 2020

The Copernicus High Resolution Forest Layer Tree Cover Change Mask (TCCM) 2015-2018 raster product provides information on the change between the reference years 2015 and 2018 and consists of 4 thematic classes (unchanged areas with no tree cover / new tree cover / loss of tree cover / unchanged areas with tree cover) at 20m spatial resolution and covers EEA38 area and the United Kingdom.

The production of the High Resolution Forest layers was coordinated by the European Environment Agency (EEA) in the frame of the EU Copernicus programme.

The High Resolution Forest product consists of three types of (status) products and additional change products. The status products are available for the 2012, 2015 and 2018 reference years: 1. Tree cover density providing level of tree cover density in a range from 0-100%; 2. Dominant leaf type providing information on the dominant leaf type: broadleaved or coniferous; 3. A Forest type product. The forest type product allows to get as close as possible to the FAO forest definition. In its original (20m) resolution it consists of two products: 1) a dominant leaf type product that has a MMU of 0.5 ha, as well as a 10% tree cover density threshold applied, and 2) a support layer that maps, based on the dominant leaf type product, trees under agricultural use and in urban context (derived from CLC and high resolution imperviousness 2009 data). For the final 100m product trees under agricultural use and urban context from the support layer are removed.

Simple

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No information provided.

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"> EEA38 (from 2020) United Kingdom
Keywords	
GEMET	<ul style="list-style-type: none"> land cover landscape alteration forest management land use

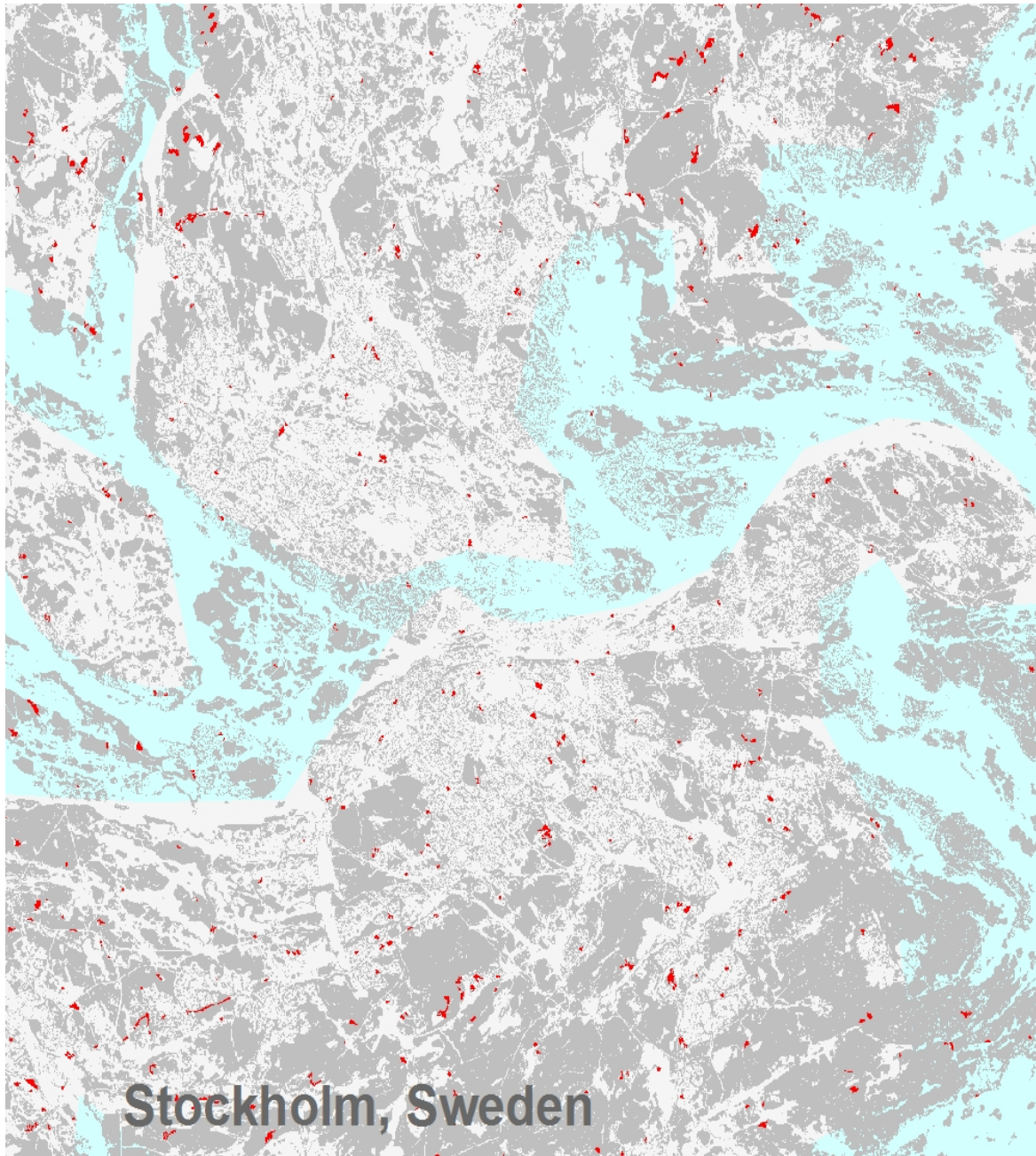
Spatial scope	<ul style="list-style-type: none"> • European
Access constraints	Other restrictions
Other constraints	no limitations to public access
Use constraints	Other restrictions
Other constraints	<p>Access to data is based on a principle of full, open and free access as established by the Copernicus data and information policy Regulation (EU) No 1159/2013 of 12 July 2013. This regulation establishes registration and licensing conditions for GMES/Copernicus users.</p> <p>Free, full and open access to this data set is made on the conditions that:</p> <ol style="list-style-type: none"> 1. When distributing or communicating Copernicus dedicated data and Copernicus service information to the public, users shall inform the public of the source of that data and information. 2. Users shall make sure not to convey the impression to the public that the user's activities are officially endorsed by the Union. 3. Where that data or information has been adapted or modified, the user shall clearly state this. 4. The data remain the sole property of the European Union. Any information and data produced in the framework of the action shall be the sole property of the European Union. Any communication and publication by the beneficiary shall acknowledge that the data were produced "with funding by the European Union".
Spatial representation type	Grid
Distance	20 m
Language of dataset	English
Character set	UTF8
Topic category	<ul style="list-style-type: none"> • Environment • Imagery base maps earth cover
Begin date	2014-01-01
End date	2018-10-31

	<p>Final validation results TCCM 1518 at pan-European level: 97.99% overall accuracy with a 95% confidence level applied (unchanged areas with no tree cover: 98.45% producer accuracy and 98.47% user accuracy; new tree cover: 58.74% producer accuracy and 86.73% user accuracy; loss of tree cover: 65.08% producer accuracy and 87.28% user accuracy; unchanged areas with tree cover: 98.02% producer accuracy and 97.93% user accuracy).</p> <p>Thematic accuracy has been assessed using a stratified random sampling approach with 9,695 points (area weighted), visually interpreted using VHR_IMAGE_2018, VHR_IMAGE_2015 and Sentinel-2 time series data, complemented by additional data sources like virtual globes (e.g. Google Earth Pro).</p>
Source	<ul style="list-style-type: none">• Tree Cover Density 2015 (raster 20 m), Europe, 3-yearly, Mar. 2018• Tree Cover Density 2018 (raster 10 m), Europe, 3-yearly, Sep. 2020

Metadata

File identifier	9723d33f-ac36-49d0-b2c7-80710d377a7d XML										
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Character set	UTF8										
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Date stamp	2023-08-15T14:36:04.433Z										
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Metadata standard version	1.0										
Metadata author	<table><tr><th>Organisation name</th><th>Individual name</th><th>Electronic mail address</th><th>Website Role</th></tr><tr><td>European Environment Agency</td><td></td><td>sdi@eea.europa.eu</td><td>Point of contact</td></tr></table>	Organisation name	Individual name	Electronic mail address	Website Role	European Environment Agency		sdi@eea.europa.eu	Point of contact		
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Overviews



Stockholm, Sweden

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