



Pan-European High Resolution Image Mosaic 2018 - False Colour, Coverage 1 (10 m), Sept. 2019

The pan-European High Resolution (HR) Image Mosaic 2018 provides cloud-free high resolution false colour imagery for EEA39 countries. The mosaic has been produced using Sentinel-2 data in 10 meter resolution, at a Sentinel 2 tile level, and consists of 1079 Sentinel-2 tiles. The imagery for each state is acquired within a predefined window corresponding to the vegetation season in 2018.

The false colour composite consists of a three band stack and includes the following bands:

Band 8 – NIR (0.842 m)

Band 4 – Red (0.665 m)

Band 3 – Green (0.560 m)

The mosaic primarily is used as input data in the production of various Copernicus Land Monitoring Service (CLMS) datasets and services, such as land cover maps and high resolution layers on land cover characteristic and can be also useful for CLMS users for visualizations and classifications on land.

can be also used to automatically create mosaics over the area of interest.

Simple

Date (Creation)	2019-09-05T00:00:00				
Date (Publication)	2019-09-05T00:00:00				
Edition	01.00				
Citation identifier	copernicus_r_3035_10_m_hrim-fc-cov1-2018_p_2017-2019_v01_r00				
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	As needed				
GEMET - INSPIRE themes, version 1.0	<ul style="list-style-type: none">• Orthoimagery				
Keywords					
Keywords					
GEMET	<ul style="list-style-type: none">• satellite image• raster• mosaic• environmental policy• general				
Continents, countries, sea regions of the world.	<ul style="list-style-type: none">• EEA38 (from 2020)• United Kingdom				

Spatial scope	<ul style="list-style-type: none"> • European
Temporal resolution	<ul style="list-style-type: none"> • As needed
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> <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	Grid
Distance	10 m
Language of dataset	English
Topic category	<ul style="list-style-type: none"> • Environment • Imagery base maps earth cover

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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 WWW:LINK-1.0-http--link OGC:WMS	Linkage https://land.copernicus.eu/en/products/european-image-mosaic/high-resolution-image-mosaic-2018-false-colour-10m https://image.discomap.eea.europa.eu/arcgis/services/GioLand/HRIM_HR_FalseColour_2018/ImageServer/WMSServer?request=GetCapabilities&service=WMS	Name
OnLine resource	Protocol ESRI:REST	Linkage https://image.discomap.eea.europa.eu/arcgis/rest/services/GioLand/HRIM_HR_FalseColour_2018/ImageServer	Name
Hierarchy level	Dataset		

Conformance result

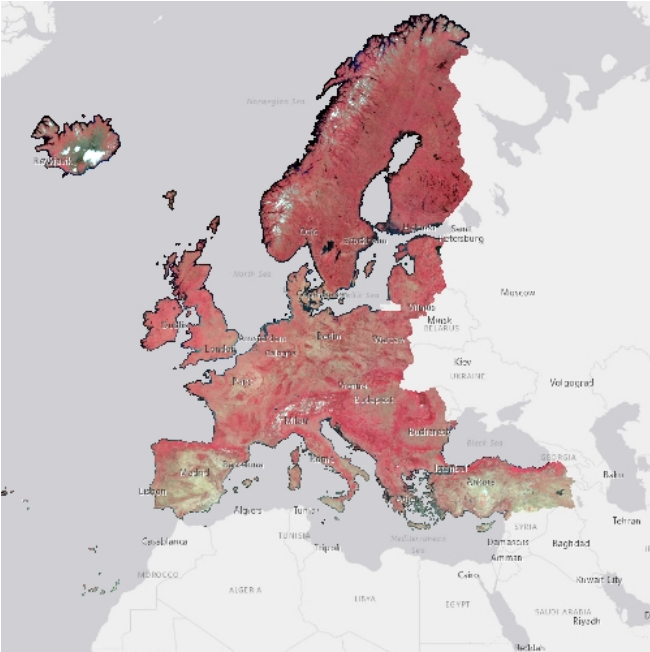
Title	Commission Regulation (EU) No 1089/2010 of 23 November 2010 implementing Directive 2007/2/EC of the European Parliament and of the Council as regards interoperability of spatial data sets and services
Date (Publication)	2010-12-08
Explanation	See the referenced specification

Statement	<p>Presence of perennial snow and glaciers is to be expected in products.</p> <p>Haze: acceptability assessed by EEA.</p> <p>The sun elevation angle is higher than 20° to ensure sufficient illumination and to minimize the effect of shadows</p> <p>The off-nadir viewing angle is less than 25°.</p> <p>Pixel alignment: The values of the coordinates for the upper-left corner (x and y) of the upper-left pixel of an image dataset shall be an integer multiple of the pixel size (resolution) in the corresponding direction (x and y)</p> <p>Time window:</p> <p>A narrow time window for the 2018 growing season was respected where possible. If too many clouds, gaps, or cloud shadow artefacts were observed in the tile, the time window was extended to utilize a slightly wider time window. This was fully utilized in Iceland and the UK and Ireland. Various other tiles within the dataset were also processed using the wide time window. Iceland was an extreme case, and around Vatnajökull National Park data from 2017 was used to gapfill. In this area the 2018 composite was overlayed on top of a clearest image from 2017 to avoid no-data gaps. The 2017 and 2019 data usage is minimal throughout the coverage.</p>
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Metadata

File identifier	f0fd46fb-bd19-4e37-b6be-a3f75c84ccb9 XML		
Metadata language	English		
Character set	UTF8		
Hierarchy level	Dataset		
Date stamp	2025-02-25T10:42:53.389053Z		
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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