Pan-European High Resolution Image Mosaic 2012 - True Colour, Coverage 2 (20 m), Febr. 2015

The pan-European High Resolution (HR) Image Mosaic 2006 provides HR2 (High Resolution: 20 meter) coverage over Europe for the continuation of Corine Land Cover like exercises and for the generation of HR layers by the EU and EEA.

The surface covered by the image dataset is 5.8 million square kilometres and has a spatial resolution of 20 meters. The imagery is composed during specific acquisition windows in 2011, 2012 and 2013. Coverage 2 acquisitions are expected to be 6 weeks away from Coverage 1, down to a minimum of 2 weeks for northern countries, including United Kingdom. The ± 6 weeks criteria might not be strictly applied over Atlantic Islands and French DOMs (seasonal changes are limited in the equatorial DOMs). Images are derived from the following satellite sensors:

RapidEye constellation

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.

The input imagery for the creation of the mosaic is provided by ESA. Due to license restrictions, HR Image Mosaic 2006 is only available as a web service (WMS), and not for data download.

Simple

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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	• Orthoimagery
Keywords	
Keywords	
GEMET	• environmental policy • general • mosaic • satellite image • raster
Continents, countries, sea regions of the world.	• EEA38 (from 2020) • United Kingdom

Spatial scope	• European
Temporal resolution	• As needed
EEA topics	• Land use
Access constraints	Other restrictions
Other constraints	no limitations to public access
Use constraints	Other restrictions
Other constraints	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. 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. Free, full and open access to the products and services of the Copernicus Land Monitoring Service is made on the conditions that: 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	20 m
Language of dataset	English
Topic category	• Environment • Imagery base maps earth cover

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Begin date	2011-01-01
End date	2013-12-31
Coordinate reference system identifier	EPSG:3035
Distribution format	• GeoTIFF ( )

OnLine resource	Protocol	Linkage	Name
	WWW:LINK-1.0-http--link	https://land.copernicus.eu/en/products/european-image-mosaic/high-resolution-image-mosaic-2012-true-colour-cov2-20m	
	OGC:WMS	https://copernicus.discomap.eea.europa.eu/arcgis/services/GioLand/Core01Cov2_2012/MapServer/WMSServer?request=GetCapabilities&service=WMS	
	WWW:LINK-1.0-http--link		Download (requires authentication)

OnLine resource	Protocol	Linkage	Name
	ESRI:REST	https://copernicus.discomap.eea.europa.eu/arcgis/rest/services/GioLand/Core01Cov2_2012/MapServer	

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	Original narrow and extended acquisition windows have been progressively reviewed in 2012 and in 2013, in order to meet user requirements:
	• Cloud coverage: 5% per country.
	• 20m RMSE/ Geolocation accuracy after orthorectification. Exception is made for mountainous areas such as the Alps and the Pyrenees where slope angles are > 10%.
	In addition, products should mostly be:
	• Without haze
	• Snow coverage < 10%: [only for glaciers/perennial snow]
	• Instrument incidence/Pointing angle < 30%.
	Note: SPOT products are:
	• Not atmospherically corrected
	• 1% saturated pixels.
	Two Step Resampling is applied i.e. the 6.5 meter raw data are orthorectified with a single resampling step to 5 meters resolution in UTM projection. The UTM projection products are then reprojected to European projection with 25m resolution and National projection for the 38 countries with 20m resolution using CubicAlignment with the European grid since processing version CRS-v17-20130213. Convolution for the resampling kernel.

Metadata

File identifier	3646d800-2028-4dd4-94f2-ac4f724d6f46 XML
Metadata language	English
Character set	UTF8
Hierarchy level	Dataset
Date stamp	2025-02-18T07:27:53.943963Z
Metadata standard name	ISO 19115/19139
Metadata standard version	1.0

Metadata author					
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Overviews

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