

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 \pm 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

Date (Creation)	2015-02-26T00:00:00			
Date (Publication)	2015-02-26T00:00:00			
Edition	01.00			
Citation identifier	copernicus_r_3035_20_m_hrim-tc-cov2-2012_i_2011-2013_v01_r00			
Point of contact	Organisation name	Individual name	Electronic mail address	Website Role
	European Environment Agency		copernicus@eea.europa.eu	http://www.eea.europa.eu Point of contact
	European Environment Agency		copernicus@eea.europa.eu	Custodian
	European Environment Agency		copernicus@eea.europa.eu	https://land.copernicus.eu Distributor

Point of contact

No information provided.

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"> general environmental policy mosaic raster

	<ul style="list-style-type: none"> • satellite image
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	Public access limited according to Article 13(1)(e) of the INSPIRE Directive
Use constraints	Other restrictions
Other constraints	<p>This dataset is based on inputs from several Copernicus Contributing Missions. Hence, the following license conditions apply: ESA-User license for the use of Copernicus Contributing Missions data - Data Warehouse phase 2 (2014-2020):</p> <p>https://spacedata.copernicus.eu/documents/20126/0/CSCDA_ESA_User_Licence_last_uploaded_2020_02_10.pdf/b879907e-bd00-688e-bf42-bf27a00d70cb?t=1581335391752</p>
Spatial representation type	Grid
Distance	20 20 m
Language of dataset	English
Topic category	<ul style="list-style-type: none"> • Environment • Imagery base maps earth cover

	N		S		E		W
--	---	--	---	--	---	--	---



Begin date	2011-01-01		
End date	2013-12-31		
Coordinate reference system identifier	EPSG:3035		
Distribution format	<ul style="list-style-type: none"> GeoTIFF () 		
OnLine resource	Protocol	Linkage	Name
	WWW:LINK-1.0-http--link	https://land.copernicus.eu/imagery-in-situ/european-image-mosaics/high-resolution/Image%202012/COV%202	
	OGC:WMS	https://copernicus.discomap.eea.europa.eu/arcgis/services/GioLand/Core01Cov2_2012/MapServer/WMServer?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

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	2021-11-25T09:07:52.869Z		
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

Overviews



Provided by

