

## CLCplus Backbone 2021 (raster 10 m), Europe, 3-yearly, Jun. 2024

This metadata refers to the 'Corine Land Cover plus Backbone' (CLCplus Backbone), a spatially detailed, large-scale, Earth Observation-based land cover inventory which is produced by the Copernicus Land Monitoring Service (CLMS). The CLCplus Backbone is a 10m pixel-based land cover map based on Sentinel satellite time series. Each pixel contains the dominant land cover among the 11 basic land cover classes. See pixel class codes in the additional information section.

The product has an update cycle of three years and starting from the 2018 reference year. The update cycle for future products (from 2021 reference year onwards) will be 2 years.

### Simple

Date (Creation)	2023-11-30	
Date (Publication)	2024-06-21	
Edition	01.00	
Citation identifier	copernicus_r_3035_10_m_chaplus-backbone2020-2022_p_2021_v01_r00	
Code	10.2909/71fc9d1b-479f-4da1-aa66-662a2fff2cf7	

#### Point of contact

No information provided.

to information provided.		
Maintenance and update frequency	As needed	
GEMET - INSPIRE themes, version 1.0	Land cover	
Keywords		
Continents, countries, sea regions of the world.	• EEA38 (from 2020)	
Keywords		
	• land	
GEMET	land cover	
Spatial scope	European	
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.	

by the Commission Delegated Regulation (EU) No 1159/2013 of 12 July 2013.

The Copernicus land monitoring products and services are made available on a principle of full, open and free access, as established

	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	10 m
Language of dataset	English
Character set	UTF8
Topic category	Environment     Imagery base maps earth cover





Begin date	2020-10-01					
End date	2022-03-31	2022-03-31				
Additional Information	Pixel class codes:					
	1: Sealed	1: Sealed				
	2: Woody – needle leaved trees					
	3: Woody – Broadleaved decid	us trees				
	4: Woody – Broadleaved everg	Woody – Broadleaved evergreen trees				
	5: Low-growing woody plants (bushes, shrubs)					
	6: Permanent herbaceous					
	7: Periodically herbaceous 8: Lichens and mosses					
	9: Non- and sparsely-vegetated  10: Water  11: Snow and ice					
	253: Coastal Seawater buffer					
	254: Outside area					
	255: No data					
Coordinate reference system identifier	EPSG:3035					
Distribution format	• GeoTIFF()					
OnLine resource	Protocol	Linkage	Name			
	WWW:LINK-1.0-httplink	https://land.copernicus.eu/en/products/clc-backbone	CLCplus Backbone product description			
	OGC:WMS	https://copernicus.discomap.eea.europa.eu/arcgis /services/CLC_plus /CLMS_CLCplus_RASTER_2021_010m_eu //mageServer/WMSServer? request=GetCapabilities&service=WMS	CLMS_CLCplus_RASTER_2021_010m_eu			
	ESRI:REST	https://copernicus.discomap.eea.europa.eu/arcgis/res /services/CLC_plus /CLMS_CLCplus_RASTER_2021_010m_eu /ImageServer	it .			
	WWW:LINK-1.0-httplink	https://land.copernicus.eu/en/products/clc-backbone/clc-backbone-2021	CLCplus Backbone - Copernicus Land Monitoring Service			
	WWW:URL	https://land.copernicus.eu/en/products/clc-backbone/clc-backbone-2021#download	Download (requires authentication)			
	WWW:LINK-1.0-httplink	https://land.copernicus.eu/en/technical-library/product user-manual-clc-backbone-2021/@@download/file	Product user manual – CLCplus Backbone 2021			

OnLine resource	Protocol	Linkage Name	
Online resource	DOI	Linkage Name https://doi.org/10.2909/71fc9d1b-479f-4da1-aa66-662a2fff2cf7	
	501		
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	CLCplus Backbone Raster Product is primarily based on a	supervised classification of satellite image time-series.	
	Input data:		
	Copernicus Sentinel-2 L2A including all scenes with a clou	d cover below 80% and acquired between October 2020 and March 2022.	
	Training and test data:		
		2018 which was compiled from various sources, such as adjusted and C class annotations based on existing land use/land cover maps, visual I time series and auxiliary datasets.	
	Classification:		
	input time-series / features. Given the heterogeneity of the	th four hierarchical layers was calibrated on the collected training data and addressed European landscapes, all classifier training, testing and, finally, a biogeographical regions and existing LC layers (i.e. 132 production units).	
	Postprocessing:		
		obabilities, 2) blending of the probabilities along production unit borders and m the 2018 production to ensure best possible product consistency, while	
	Changes to previous release (2018):		
	- Area of Interest: EEA38 (exclusion of UK territory)		
	- Implementation of a Coastal Seawater buffer (class code:	: 253)	
	- Input time-series reduced to reference year +/- three mon	nths	
	- Minor updates of production units		
Metadata	I		

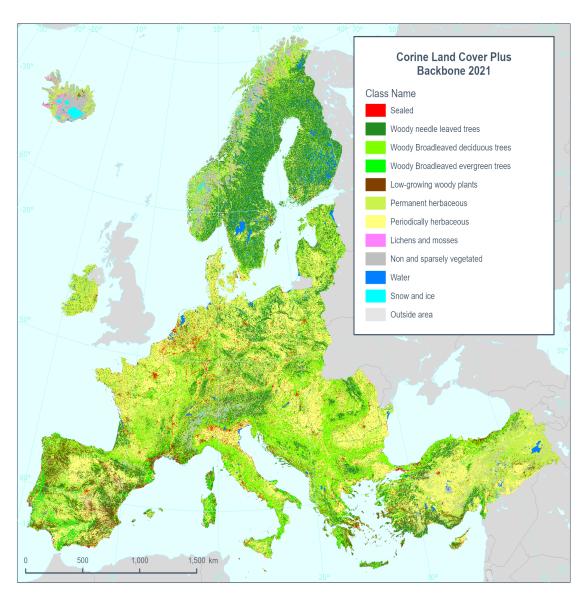
# M

File identifier	71fc9d1b-479f-4da1-aa66-662a2fff2cf7 <u>XML</u>
Metadata language	English
Character set	UTF8
Hierarchy level	Dataset
Date stamp	2024-12-12T10:07:23.512254Z
Metadata standard name	ISO 19115/19139
Metadata standard version	1.0
Metadata author	Electronic

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### **Overviews**



Reference data: © EuroGeographics, © FAO (UN), © TurkStat Source: European Commission – Eurostat/GISCO











