

# CLCplus Backbone 2018 (raster 10 m), Europe, 3-yearly, Feb. 2023

This metadata refer to the 'Corine Land Cover plus Backbone' (CLCplus Backbone) which is a spatially detailed, large scale, Earth Observation-based land cover inventory. The CLCplus Backbone Raster Product is a 10m pixel-based land cover map based on Sentinel satellite time series from July 2017 to June 2019. For each pixel it shows the dominant land cover among the 11 basic land cover classes.

The product has a three years update cycle and is available for the 2018 reference year.

## Simple

Date (Creation)	2022-03-07					
Date (Publication)	2023-01-23					
Edition	01.1	01.1				
Citation identifier	copernicus_r_3035_10_m_chaplus-bac	ckbone2017-2019_p_2018_v01_r1				
Code	10.2909/cd534ebf-f553-42f0-9ac1-62c	1dc36d32c				
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	Land cover					
Keywords						
Continents, countries, sea regions of the world.	<ul><li>United Kingdom</li><li>EEA38 (from 2020)</li></ul>					
Keywords						
GEMET	<ul><li> land cover</li><li> land</li></ul>					
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.
	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	10 m
Language of dataset	English
Character set	UTF8
Topic category	Environment Imagery base maps earth cover

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Begin date	2017-07-01		
	0040.00.00		
End date	2019-06-30		
Additional Information	Thematic pixel values:		
	1: Sealed		
	2: Woody – needle leaved trees		
	3: Woody – Broadleaved deciduous trees		
	4: 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		
	254: outside area		
	255: No data		
Coordinate reference system identifier	EPSG:3035		
Distribution format	• GeoTIFF()		
OnLine resource	Protocol	Linkage	Name
	WWW:LINK	https://land.copernicus.eu/en/products/clc-backbone/clc- backbone-2018	CLCplus Backbone — Copernicus Land Monitoring Service
	WWW:LINK-1.0-httplink	https://land.copernicus.eu/en/products/clc-backbone/clc- backbone-2018#download	Download (requires authentication)
	OGC:WMS	https://copernicus.discomap.eea.europa.eu/arcgis/services /CLC plus/CLMS CLCplus RASTER 2018 010m eu /ImageServer/WMSServer? service=WMS&request=GetCapabilities&version=1.3.0	0
	ESRI:REST	https://copernicus.discomap.eea.europa.eu/arcgis/rest/services /CLC_plus/CLMS_CLCplus_RASTER_2018_010m_eu /ImageServer	i.
	WWW:LINK-1.0-httplink	https://land.copernicus.eu/en/technical-library/product-user- manual-for-clc-backbone-raster-only/@@download/file	Product user manual – CLCplus Backbone 2018

#### https://land.copernicus.eu/en/technical-library/clc-backboneproduct-user-manual/@@download/file

			vector data)
OnLine resource	Protocol DOI	Linkage https://doi.org/10.2909/cd534ebf-f553-42f0-9ac1- 62c1dc36d32c	Name
Hierarchy level	Dataset		
Conformance result	I		
Title	Commission Regulation (EU) No 1089/2 of the Council as regards interoperability	010 of 23 November 2010 implementing Directive 2007/2/EC of the European I of spatial data sets and services	Parliament and
Date (Publication)	2010-12-08		
Explanation	See the referenced specification		
Statement	L2A including all scenes with a cloud cov	s primarily based on a supervised classification of satellite image time-series fr er below 80% and acquired from July 2017 and June 2019. The time series is n an equidistant time-series at 10-day intervals. Clouds and cloud shadows are Mask 4.1.	initially
	2018 survey point data; stratified automa	the reference year 2018 from various sources, such as from adjusted and filter ted LC class annotations based on existing land use/land cover maps, as well retation relying on VHR imagery, NDVI time series and auxiliary datasets.	
	series / features. Given the heterogeneit	with four hierarchical layers was calibrated on the collected training data and of the addressed European landscapes, all classifier training, testing and, fina ta based on biogeographical regions and existing LC layers.	
		bilateral filtering to reduce labelling noise, as well as adjustments of the class ch as street networks, national and regional land cover and land use maps or e	
	checks (QA breakpoints) during impleme production, assure fitness-for-purpose of	2015 standards for Quality Management and comprises of dedicated procedure ntation of the production chain, in order to keep persistent control over the vari the end-products and that all quality requirements are fulfilled. Priority has bee by each product, as well as to the issues of product consistency (spatial, thema	ous stages of n given to the
		nent has been performed according to INSPIRE Data Specifications. The data ss, (ii) Logical Consistency, (iii) positional accuracy, (iv) Thematic Accuracy, (v	
	Geometric accuracy (positioning scale):	Equals Sentinel-2 positional accuracy in 2018 (~11m at 95.5% confidence).	
	(plausibility analysis) assessed the overa 91.9% (+/-0.3%). The targeted producer growing woody plants, Lichens and Moss	nt internal accuracy assessment based on the interpretation of more than 42,0 Il accuracy for the EU27 area at 92.8% (+-0.3%) and for the full EEA38+UK co s and user's accuracies are above the target of at least 85% for all classes exc ses, and Non-and sparsely vegetated which are subject to regionally lower accur re presented in the Product User Manual.	verage at ept for Low-
Metadata	1		

## Metadata

File identifier cd534ebf-f553-42f0-9ac1-62c1dc36d32c XML		
Metadata language	English	
Character set	UTF8	

Hierarchy level	Dataset			
Date stamp	2025-01-13T11:02:30.316914Z			
Metadata standard name	ISO 19115/19139			
Metadata standard version	1.0			
Metadata author	Organisation name	Individual name	Electronic mail W address	/ebsite Role
	European Environment Agency		sdi@eea. europa.eu	Point of contact

### **Overviews**



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











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