

Coastal Zones Land Cover/Land Use 2018 (vector), Europe, 6-yearly, Feb. 2021

The Coastal Zones (CZ) LC/LU product for 2018 is providing a detailed Land Cover / Land Use (LC/ LU) dataset for areas along the coastline of the EEA38 countries and the United Kingdom, with reference year 2018 for the classification. This product monitors landscape dynamics in European coastal territory to an inland depth of 10 km with a total area of approximately 730,000 km², with all the relevant areas (estuaries, coastal lowlands, nature reserves). The production of the coastal zone layers was coordinated by the European Environment Agency (EEA) in the frame of the EU Copernicus programme, as part of the Copernicus Land Monitoring Service (CLMS) Local Component.

The Coastal Zones product covers a buffer zone of coastline derived from EU-Hydro v1.1. Land Cover/Land Use (LC/LU) layer is extracted from Very High Resolution (VHR) satellite data and other available data. The class definitions follow the pre-defined nomenclature on the basis of Mapping and Assessment of Ecosystems and their Services (MAES) typology of ecosystems (Level 1 to Level 4) and CORINE Land Cover adapted to the specific characteristics of coastal zones. The classification provides 71 distinct thematic classes with a Minimum Mapping Unit (MMU) of 0.5 ha and a Minimum Mapping Width (MMW) of 10 m. The product is available for the 2012 and 2018 reference year including change mapping.

This CZ dataset is distributed in vector format, in a single OGC GeoPackage SQLite file covering the area of interest.

You can read more about the product here: <https://land.copernicus.eu/en/products/coastal-zones/coastal-zones-2018>.

Simple

Date (Creation)	2020-11-12			
Date (Publication)	2020-11-12			
Date (Revision)	2021-02-24			
Edition	01.00			
Citation identifier	copernicus_v_3035_10_m_cz-2018_p_2017-2019_v01_r00			
Code	10.2909/205e2db2-4e35-4b1b-bf84-271c4a82248c			
Point of contact	Organisation name	Individual name	Electronic mail address	Website Role
	European Environment Agency		copernicus@eea.europa.eu	https://land.copernicus.eu Distributor
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Point of contact

No information provided.

Maintenance and update frequency	Continual
GEMET - INSPIRE themes, version 1.0	<ul style="list-style-type: none"> Hydrography Land use Land cover
Keywords	
Continents, countries, sea regions of the world.	<ul style="list-style-type: none"> United Kingdom EEA38 (from 2020)

Keywords	
GEMET	<ul style="list-style-type: none"> • land use • hydrography • landscape alteration • land cover • coastal area
Spatial scope	<ul style="list-style-type: none"> • European
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>Access to data is based on a principle of full, open and free access as established by the Copernicus data and information policy Regulation (EU) No 1159/2013 of 12 July 2013. This regulation establishes registration and licensing conditions for GMES/Copernicus users.</p> <p>Free, full and open access to this data set is made on the conditions that:</p> <ol style="list-style-type: none"> 1. When distributing or communicating Copernicus dedicated data and Copernicus service information to the public, users shall inform the public of the source of that data and information. 2. Users shall make sure not to convey the impression to the public that the user's activities are officially endorsed by the Union. 3. Where that data or information has been adapted or modified, the user shall clearly state this. 4. The data remain the sole property of the European Union. Any information and data produced in the framework of the action shall be the sole property of the European Union. Any communication and publication by the beneficiary shall acknowledge that the data were produced "with funding by the European Union".
Spatial representation type	Vector
Distance	10 m
Denominator	10000
Language of dataset	English
Character set	UTF8
Topic category	<ul style="list-style-type: none"> • Environment • Imagery base maps earth cover
Begin date	2017-01-01
End date	2019-12-31

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Additional Information	Spatial Resolution information: The Minimum Mapping Width is 10 m		
Coordinate reference system identifier	EPSG:3035		
Distribution format	<ul style="list-style-type: none"> Geopackage () 		
OnLine resource	Protocol ESRI:REST OGC:WMS WWW:LINK-1.0-http--link	Linkage https://image.discomap.eea.europa.eu/arcgis/rest/services/CoastalZones/CZ_CoastalZones_2018/MapServer https://image.discomap.eea.europa.eu/arcgis/services/CoastalZones/CZ_CoastalZones_2018/MapServer/WMServer?request=GetCapabilities&service=WMS https://land.copernicus.eu/en/products/coastal-zones/coastal-zones-2018#download	Name Download (requires authentication)
OnLine resource	Protocol DOI	Linkage https://doi.org/10.2909/205e2db2-4e35-4b1b-bf84-271c4a82248c	Name
Hierarchy level	Dataset		

Conformance result

Date (Publication)	2010-12-08
Explanation	See the referenced specification

Statement	<p>Computer assisted visual mapping of LC/LU for reference year 2018. The main dataset for visual image interpretation of reference year 2018 was the VHR_IMAGE_2018 dataset (Optical VHR coverage of EEA-39 2017-2019), consisting of 2m Pléiades, Kompsat 3/3A, SuperView-1 and 4m SPOT-6/7, TripleSat, PlanetScope and Deimos satellite data. The nomenclature is the basis of the MAES typology of ecosystems adapted to the specific needs of coastal zones monitoring and it is composed by 71 classes.</p> <p>Positional Accuracy: less than 5 m (according to geo-location accuracy of satellite imagery delivered by ESA: less than 5m RMSE). Thematic accuracy (area-corrected Overall Accuracy): 97.7%. Accuracy Assessment approach: Stratified Random Point Sampling with 60001 sampling points. Interpretation of sampling points has been performed on the best available reference data.</p> <p>The Minimum Mapping Unit is 0.5 ha.</p> <p>The Minimum Mapping Width is 10 m.</p>
Source	<ul style="list-style-type: none"> Coastal Zones Land Cover/Land Use 2012 (vector), Europe, 6-yearly, Feb. 2021 Coastal Zones Land Cover/Land Use Change 2012-2018 (vector), Europe, 6-yearly, Feb. 2021

Metadata

File identifier	205e2db2-4e35-4b1b-bf84-271c4a82248c XML
Metadata language	English

Character set	UTF8		
Hierarchy level	Dataset		
Date stamp	2024-02-06T16:45:20.074Z		
Metadata standard name	ISO 19115/19139		
Metadata standard version	1.0		
Metadata author	Organisation name	Individual name	Electronic mail addressWebsite Role
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Overviews



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