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.

Simple

Date (Creation)	2020-11-12
Date (Publication)	2020-11-12
Date (Revision)	2021-02-24
Edition	01.00
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Code	10.2909/205e2db2-4e35-4b1b-bf84-271c4a82248c

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	Continual
GEMET - INSPIRE themes, version 1.0	• Hydrography • Land use • Land cover
Keywords	
Continents, countries, sea regions of the world.	• United Kingdom • EEA38 (from 2020)
Keywords	
GEMET	• land use

- hydrography
- landscape alteration
- land cover
- coastal area

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	Vector
Distance	10 m
Denominator	10000
Language of dataset	English
Character set	UTF8
Topic category	- 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	• Geopackage ( )

OnLine resource	Protocol	Linkage	Name
	ESRI:REST	https://image.discomap.eea.europa.eu/arcgis/rest/services/CoastalZones/CZ_CoastalZones_2018/MapServer	
	OGC:WMS	https://image.discomap.eea.europa.eu/arcgis/services/CoastalZones/CZ_CoastalZones_2018/MapServer/WMSServer?request=GetCapabilities&service=WMS	
	WWW:LINK-1.0-http--link	https://land.copernicus.eu/en/products/coastal-zones/coastal-zones-2018#download	Download (requires authentication)
	WWW:LINK-1.0-http--link	https://land.copernicus.eu/en/technical-library/coastal-zones-nomenclature-and-mapping-guideline/@@download/file	Nomenclature and mapping guideline – Coastal Zones Land Cover/Land Use 2012 and 2018 and Land Cover/Land Use Change 2012-2018
	WWW:LINK-1.0-http--link	https://land.copernicus.eu/en/technical-library/coastal-zones-nomenclature-table/@@download/file	Factsheet – Coastal Zones Land Cover/Land Use 2012 and 2018 and Land Cover/Land Use Change 2012-2018 - land cover and land use nomenclature
	WWW:LINK-1.0-http--link	https://land.copernicus.eu/en/technical-library/coastal-zones-qaqc-report/@@download/file	Quality assessment report – Coastal Zones Land Cover/Land Use 2012 and 2018 and Land Cover/Land Use Change 2012-2018

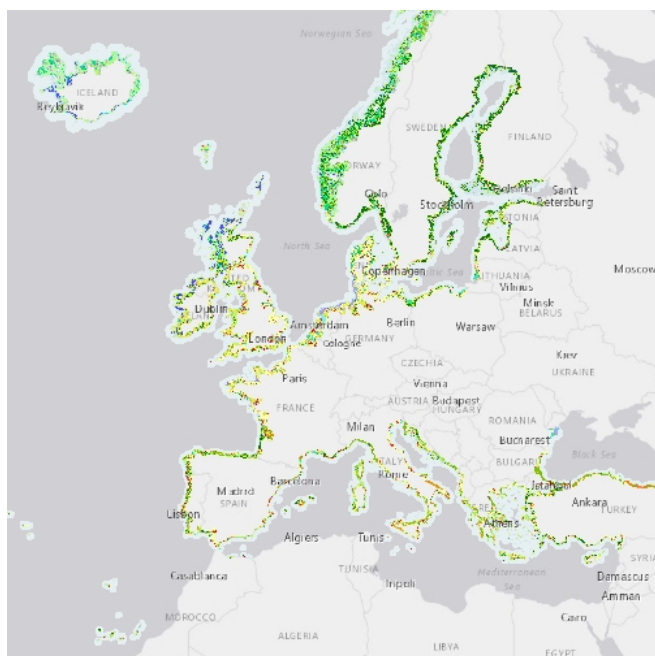| OnLine resource	Protocol	Linkage	Name
	DOI	https://doi.org/10.2909/205e2db2-4e35-4b1b-bf84-271c4a82248c	

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	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. 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. The Minimum Mapping Unit is 0.5 ha. The Minimum Mapping Width is 10 m.
Source	• 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	2024-10-18T08:35:50.38825Z
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

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