

Coastal Zones Land Cover/Land Use Change 2012-2018 (vector), Europe, 6-yearly, Feb. 2021

The Coastal Zones LC/LU Change (CZC) 2012-2018 is providing the Land Cover / Land Use (LC/ LU) change for areas along the coastline of the EEA38 countries and the United Kingdom, between the reference years 2012 and 2018. The Coastal Zones 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 Change product covers a buffer zone of coastline derived from EU-Hydro v1.1. The Land Cover/Land Use (LC/LU) Change layer is extracted from Very High Resolution (VHR) satellite data and other available data. The reference years for the change are 2012 and 2018. 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 status product is available for the 2012 and 2018 reference years.

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

You can read more about the product here: <https://land.copernicus.eu/en/products/coastal-zones/coastal-zones-change-2012-2018>.

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_czc-2012-2018_p_2010-2019_v01_r00				
Code	10.2909/c88e743d-e838-49e1-8c80-54f26bcf4ab8				
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No information provided.

Maintenance and update frequency	Continual
GEMET - INSPIRE themes, version 1.0	<ul style="list-style-type: none"> Land use Hydrography 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 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	2010-01-01
End date	2019-12-31

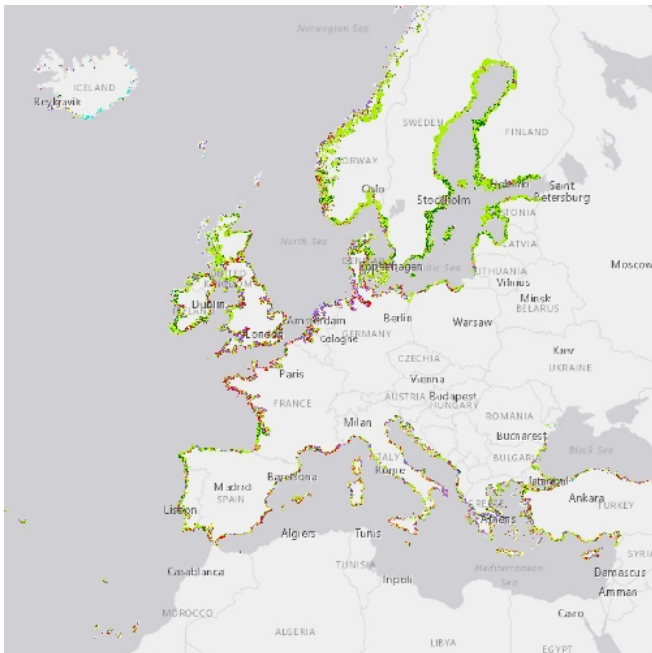


Additional Information	Spatial Resolution information: The Minimum Mapping Width is 10 m		
Coordinate reference system identifier	EPSG:3035		
Distribution format	<ul style="list-style-type: none"> • Geopackage () 		
OnLine resource	Protocol	Linkage	Name
	ESRI:REST	https://image.discomap.eea.europa.eu/arcgis/rest/services/CoastalZones/CZ_CoastalZonesChange_2012_2018/MapServer	
	OGC:WMS	https://image.discomap.eea.europa.eu/arcgis/services/CoastalZones/CZ_CoastalZonesChange_2012_2018/MapServer/WMSServer?service=WMS&request=GetCapabilities&version=1.3.0	
	WWW:LINK-1.0-http--link	https://land.copernicus.eu/en/products/coastal-zones/coastal-zones-change-2012-2018#download	Download (requires authentication)
OnLine resource	Protocol	Linkage	Name
	DOI	https://doi.org/10.2909/c88e743d-e838-49e1-8c80-54f26bcf4ab8	
OnLine resource	No information provided.		
Hierarchy level	Dataset		
Conformance result			
Date (Publication)	2010-12-08		
Explanation	See the referenced specification		
Statement	<p>Computer assisted visual mapping of LC/LU change between the reference years 2012 and 2018. The main dataset for visual image interpretation of reference year 2012 was the DWH_MG2b_CORE_03 dataset (Optical VHR2 coverage over EU 2011-2013) while for 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): 99.6%. Accuracy Assessment approach: Stratified Random Point Sampling with 11619 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"> • 		

Metadata

File identifier	c88e743d-e838-49e1-8c80-54f26bcf4ab8 XML		
Metadata language	English		
Character set	UTF8		
Hierarchy level	Dataset		
Date stamp	2024-02-09T13:40:04.693Z		
Metadata standard name	ISO 19115/19139		
Metadata standard version	1.0		
Metadata author	Organisation name	Individual name	Electronic mail address Website Role
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Overviews



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