

Grassland Change 2015-2018 (raster 20 m), Europe, 3-yearly, Oct. 2020

The High Resolution Layer (HRL) Grassland Change 2015-2018 raster product at 20m resolution provides information on changes in grassland vegetation cover between the reference years 2015 and 2018. The thematic classes indicate all non-grassland areas, grassland gain and grassland loss, unchanged grassland in both years and unverified grassland gain and loss areas for the pan-European area of EEA38 and the United Kingdom. The production of the High Resolution grassland layers was coordinated by the European Environment Agency (EEA) in the frame of the EU Copernicus programme.

This dataset is provided as 20 meter rasters in 100 x 100 km tiles grouped according to the EEA38 countries and the United Kingdom (fully conformant with the EEA reference grid).

The HRL Grassland layer is the main High Resolution grassland product. This grassy and non-woody vegetation baseline product includes all kinds of grasslands: managed grassland, seminatural grassland and natural grassy vegetation. It is a binary status layer for the 2015 reference year mapping grassland and all non-grassland areas in 20m and (aggregated) 100m pixel size and, for the 2018 reference year, in 10m and (aggregated) 100m pixel size.

You can read more about the product here: https://land.copernicus.eu/en/products/high-resolution-layer-grassland/grassland-change-2015-2018.

Simple

Date (Creation)	2020-10-20				
Date (Publication)	2020-10-20				
Edition	01.00				
Citation identifier	copernicus_r_3035_20_m_grac-2015-2018_p_2010-2018_v01_r00				
Code	10.2909/a0925bc0-d3d8-49af-ba9d-c4f1cf2b654d				
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No information provided.

Maintenance and update frequency	Continual
GEMET - INSPIRE themes, version 1.0	Land cover
Keywords	
Continents, countries, sea regions of the world.	EEA38 (from 2020) United Kingdom
Keywords	
GEMET	forest management land cover
	landscape alteration
	land use

Spatial scope	• European		
EEA topics	Land use		
Access constraints	Other restrictions		
Other constraints	no limitations to public access		
Use constraints	Other restrictions		
Other constraints	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.		
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Spatial representation type	Grid		
Distance	20 m		
Language of dataset	English		
Character set	UTF8		
Topic category	Environment Imagery base maps earth cover		
Begin date	2010-01-01		
End date	2018-10-31		





Metadata

Coordinate reference system identifier	EPSG:3035				
Distribution format	• GeoTIFF (1.0)	• GeoTIFF (1.0)			
OnLine resource	Protocol	Linkage	Name		
	ESRI:REST	https://image.discomap.eea.europa.eu/arcgis/rest/services /GioLandPublic/HRL GrasslandChange 15 18/ImageServer			
	OGC:WMS	https://image.discomap.eea.europa.eu/arcgis/services /GioLandPublic/HRL_GrasslandChange_15_18/ImageServer /WMSServer?request=GetCapabilities&service=WMS			
	WWW:LINK-1.0-httplink	https://land.copernicus.eu/en/products/high-resolution-layer- grassland/grassland-change-2015-2018#Download	Download (requires authentication		
OnLine resource	Protocol	Linkage	Nam		
	DOI	https://doi.org/10.2909/a0925bc0-d3d8-49af-ba9d- c4f1cf2b654d			
Hierarchy level	Dataset				
Conformance result	1				
Date (Publication)	2010-12-08				
Explanation	See the referenced specification				
Statement	of the reference years 2015 (HRL GRA at EEA38 and the United Kingdom. The GR thematic classes. The production workflow	at 20m spatial resolution is derived from the primary Pan-European Grassland 20m resolution) and 2018 (HRL GRA at 10m spatial resolution) and covers the A Change Layer is the first of its kind indicating changes in grassland vegetation or consists of a map-to-map comparison of both years and takes adequate time on from PLOUGH 2015 and 2018 back to the year 2010 into account.	ne area of on cover in five		
	Due to substantial transformations concerning resolution (20m to 10m), significantly enhanced data availability and therefore technical approach, differences between the reference years of 2015 and 2018 are not always illustrating real changes in gravegetation cover but are sometimes technically induced. Areas differing in the years 2015 and 2018 that could not be verified change by the workflow are therefore labelled as unverified gain or loss areas.				
	Geometric accuracy (positioning scale): Less than one pixel (10m) according to ortho-rectified satellite image base (Sentinel-2 Level-2A) delivered by ESA.				
	classes 1-gain, 2-loss, 10-unchanged gra	accuracy has been assessed on the primary pan-European Change product an ssland in both years an 0-all non-grassland areas. Unverified areas are not paul accuracy is 88,97%. The weighted overall accuracy is 99,30% and consider	rt of the		
Source	Grassland 2015 (raster 20 m), Europe Grassland 2018 (raster 10 m), Europe				

High Resolution Layer: Ploughing Indicator 2015 (raster 20m), May 2018

File identifier	a0925bc0-d3d8-49af-ba9d-c4f1cf2b654d XML			
Metadata language	English			
Character set	UTF8			
Hierarchy level	Dataset			
Date stamp	2024-02-06T16:45:24.005Z			
Metadata standard name	ISO 19115/19139			
Metadata standard version	1.0			
Metadata author	Organisation name European Environment Agency	Individual name	Electronic mail address sdi@eea. europa.eu	Website Role Point of contact

Overviews



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