

Grassland 2018 (raster 100 m), Europe, 3-yearly, Aug. 2020

The HRL Grassland 2018 100 m aggregate raster product provides a basic land cover classification with two thematic classes (grassland / non-grassland) at 100m spatial resolution, covering the EEA38 area 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.

The main High Resolution Grassland product is the Grassland layer. This grassy and non-woody vegetation baseline product includes all kinds of grasslands: managed grassland, semi-natural 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.

The 100 meter aggregate raster is provided as a full EEA38 and United Kingdom mosaic (fully conformant with the EEA reference grid).

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

Simple

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| Date (Creation) | 2020-08-18 | | | | |
| Date (Publication) | 2020-08-18 | | | | |
| Edition | 01.00 | | | | |
| Citation identifier | copernicus_r_3035_100_m_gra-2018_p_2018_v01_r00 | | | | |
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| Code | 10.2909/5ebf3d6e-b148-4d22-b5e5-173a9d8fd661 | | | | |
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Point of contact

No information provided.

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| Maintenance and update frequency | Continual |
| GEMET - INSPIRE themes, version 1.0 | <ul style="list-style-type: none"> 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"> forest management |

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| | <ul style="list-style-type: none"> • land cover • land use • landscape alteration • grassland |
| Spatial scope | <ul style="list-style-type: none"> • European |
| EEA Management Plan | <ul style="list-style-type: none"> • 2018 3.6.1 |
| 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". |
| Aggregate Dataset identifier | b77b7ce3-04f8-44ae-aaae-b5e5af0f9682 |
| Association Type | Cross reference |
| Spatial representation type | Grid |
| Distance | 100 m |
| Language of dataset | English |
| Character set | UTF8 |
| Topic category | <ul style="list-style-type: none"> • Environment • Imagery base maps earth cover |
| Begin date | 2018-03-01 |
| End date | 2018-10-31 |

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| Coordinate reference system identifier | EPSG:3035 | | |
| Distribution format | <ul style="list-style-type: none"> GeoTIFF (1.0) | | |
| OnLine resource | Protocol WWW:LINK-1.0-http--link | Linkage https://land.copernicus.eu/en/products/high-resolution-layer-grassland/grassland-2018#Download | Name Download (requires authentication) |
| OnLine resource | Protocol DOI | Linkage https://doi.org/10.2909/5ebf3d6e-b148-4d22-b5e5-173a9d8fd661 | Name |
| Hierarchy level | Dataset | | |

Conformance result

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

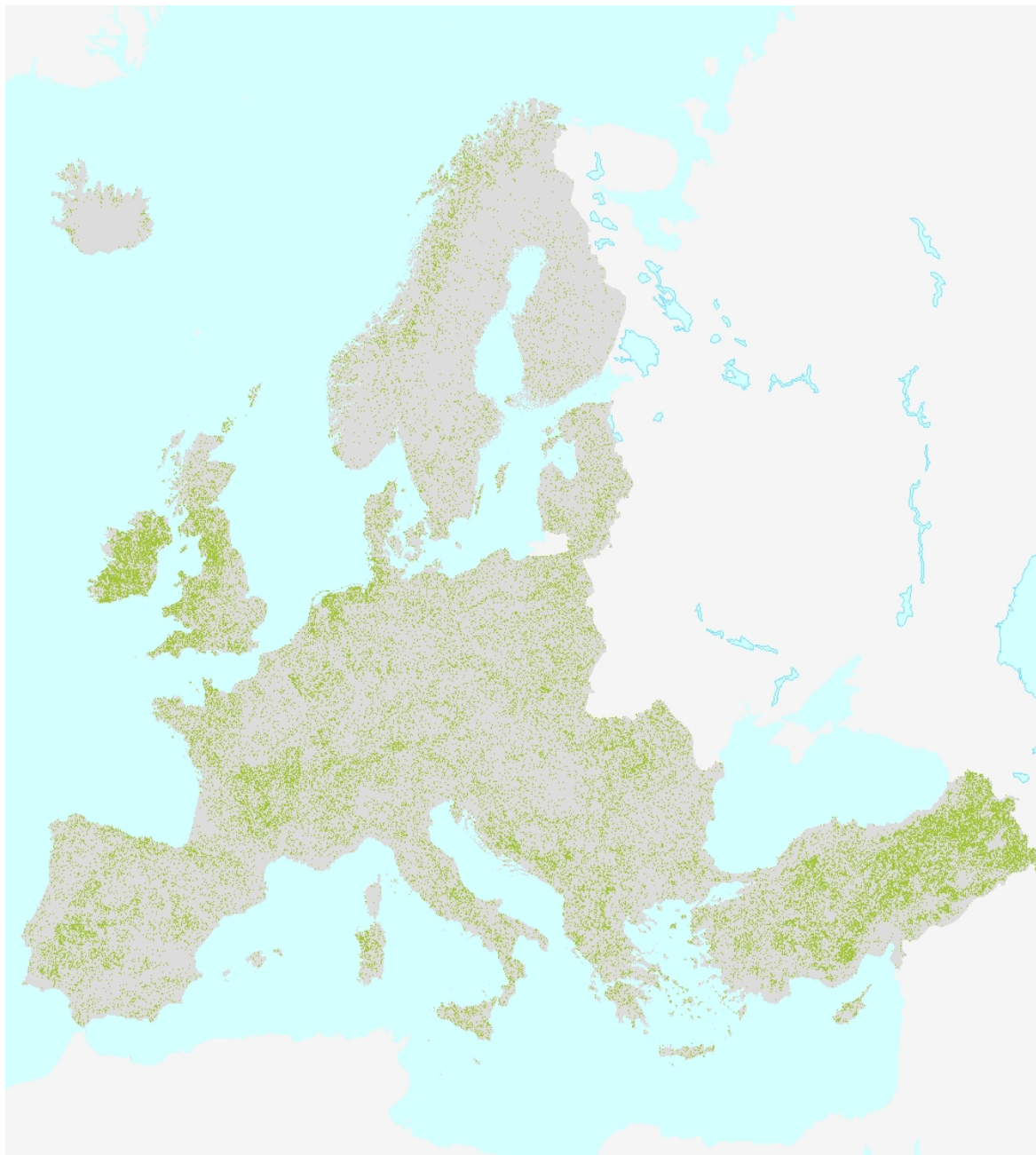
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| Statement | <p>The primary grassland status layer at 10m spatial resolution was produced with a hierarchical spatio-temporal classification of time features derived from Sentinel-2A+B time series (Level-2A data) using a Random Forest (RF) classifier with 200 trees. The selected time window ranges from 01-02-2018 to 30-11-2018, adapted to regional conditions where needed. In total, 137 statistical time features have been calculated and more than 700,000 samples were automatically collected from the LUCAS 2018 database, various CLMS products and additional manual sampling. The final product will be accompanied by a series of expert and reference products (PLOUGH, GRAVPI, Confidence Layer).</p> <p>Quality assurance follows the ISO 9001:2015 standards for Quality Management and comprises of dedicated procedures of quality checks (QA breakpoints) during implementation of the production chain, in order to keep persistent control over the various stages of production, assure fitness-for-purpose of the end-products and that all quality requirements are fulfilled. Priority has been given to the target thematic accuracy to be achieved by each product, as well as to the issues of product consistency (spatial, thematic, temporal) and homogeneity. Quality Assessment: The quality assessment has been performed according to INSPIRE Data Specifications. The data quality elements considered are: (i) Completeness, (ii) Logical Consistency, (iii) positional accuracy, (iv) Thematic Accuracy, (v) Temporal quality and (vi) Usability.</p> <p>Geometric accuracy (positioning scale): Less than one pixel (10m) according to ortho-rectified satellite image base (Sentinel-2 Level-2A) delivered by ESA.</p> <p>Thematic target accuracy: 85% overall accuracy within each bio-geographic region.</p> <p>Achieved overall accuracy: 95.31% with a 95% confidence level applied. Thematic accuracy has been assessed using a stratified random point sampling approach with 11708 points (area weighted), visually interpreted using VHR_IMAGE_2018 data, Sentinel-2 time series data and complemented by additional data sources like LPIS data sets and Google Earth imagery.</p> |
| Source | <ul style="list-style-type: none"> Grassland 2018 (raster 10 m), Europe, 3-yearly, Aug. 2020 |

Metadata

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| File identifier | 5ebf3d6e-b148-4d22-b5e5-173a9d8fd661 XML |
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|---------------------------|-----------------------------|-----------------|-------------------------------------|
| Metadata language | English | | |
| Character set | UTF8 | | |
| Hierarchy level | Dataset | | |
| Date stamp | 2024-02-06T16:45:09.955Z | | |
| 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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