



Main Crop Emergence 2017 - Present (raster 10m), Europe, yearly, Nov. 2024

The High Resolution Layer Cropping Patterns - Main Crop Emergence (CPMCE) raster product provides the emergence date of the main (annual) crop expressed in DOY (day of year). YYDOY where YY = last 2 digits of the year (e.g. 19 for 2019) and DOY is the day of the year (1-365).

This dataset is provided annually starting in 2017 with 10 meter rasters (fully conformant with the EEA reference grid) in 100 x 100 km tiles covering the EEA38 countries.

High Resolution Layer Croplands product is part of the European Union's Copernicus Land Monitoring Service. Confidence layer available for the dataset.

This dataset includes data from the French Overseas Territories (DOMs)

Simple

Identification info

Date (Creation)	2024-08-09
Date (Publication)	2024-12-01
Edition	01.00
Citation identifier	copernicus_r_3035_10_m_cpmce_p_2017-now_v01_r00

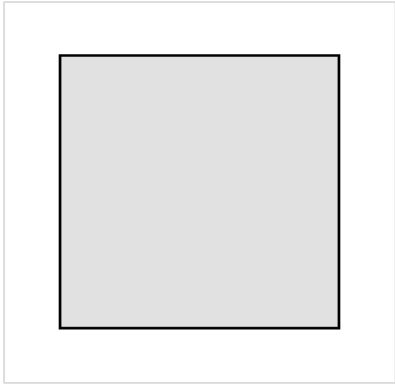
Identifier

Code	10.2909/93bdceca-30b6-41e8-94d8-f1d5f09eaa62
Spatial representation type	Grid

Spatial resolution

Spatial resolution	10 m
Topic category	<ul style="list-style-type: none">EnvironmentImagery base maps earth cover

Extent



Temporal extent

Time period

2017-01-01

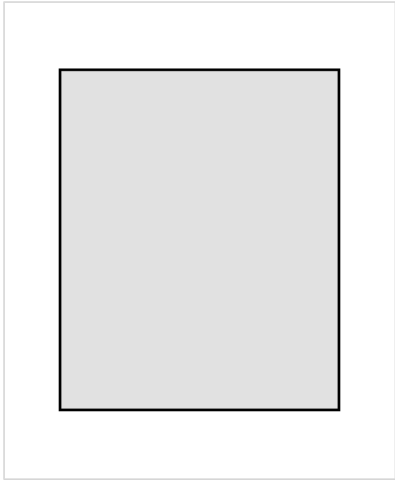
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S

E

W



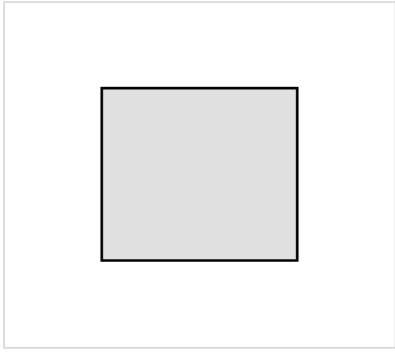
Extent

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S

E

W



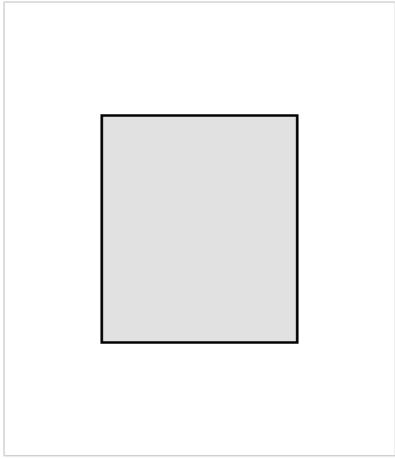
Extent

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S

E

W



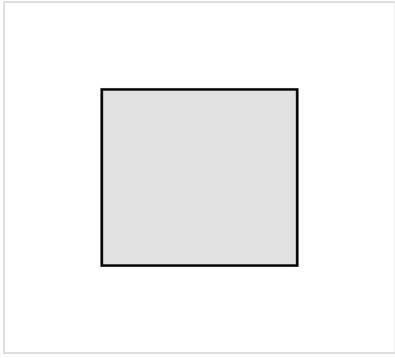
Extent

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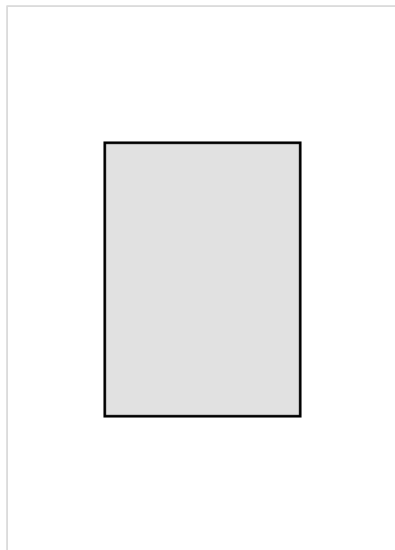
S

E

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Extent



Maintenance and update frequency	As needed
GEMET - INSPIRE themes, version 1.0	<ul style="list-style-type: none"> • Land cover • Land use
Continents, countries, sea regions of the world.	<ul style="list-style-type: none"> • EEA38 (from 2020)
GEMET	<ul style="list-style-type: none"> • agricultural method
Spatial scope	<ul style="list-style-type: none"> • European
EEA topics	<ul style="list-style-type: none"> • Land use • Agriculture and food
EEA Management Plan	<ul style="list-style-type: none"> • 2024 6.5.24

Resource constraints

Access constraints	Other restrictions
Other constraints	no limitations to public access

Resource constraints

Use constraints	Other restrictions
Other constraints	<p>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.</p> <p>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.</p> <p>Free, full and open access to the products and services of the Copernicus Land Monitoring Service is made on the conditions that:</p> <ol style="list-style-type: none"> 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.

Language	English
Character encoding	UTF8

Distribution Information

Distribution format	<ul style="list-style-type: none">• GTiff
OnLine resource	HRL_CPL:CPMCE_S2017 CLMS_HRL_MainCropEmergence_S2017_R10m
OnLine resource	HRL_CPL:CPMCE_S2018 CLMS_HRL_MainCropEmergence_S2018_R10m
OnLine resource	HRL_CPL:CPMCE_S2019 CLMS_HRL_MainCropEmergence_S2019_R10m
OnLine resource	HRL_CPL:CPMCE_S2020 CLMS_HRL_MainCropEmergence_S2020_R10m
OnLine resource	HRL_CPL:CPMCE_S2021 CLMS_HRL_MainCropEmergence_S2021_R10m
OnLine resource	WEKEO Portal Download (requires authentication)
OnLine resource	Product Information & Technical Documentation
OnLine resource	

Data quality info

Hierarchy level	Dataset
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Report

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

Resource lineage

Statement	
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Derived product from CTY, with parcel delination based on S2 data and S2 bands and FAPAR that has been corrected with CROPSAR algorithm.

The HRL Main Crop Emergence is a new dataset in the CLMS portfolio, starting its timeseries with annual updates from reference year 2017.

Quality assurance follows the ISO9000 standards for Quality Management and comprises of dedicated procedures of ongoing 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 accuracies 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) Thematic Accuracy,
- (iv) Temporal quality and
- (v) Usability.

Each of them (excl. the Thematic Accuracy hereafter) forms a section in the QA/QC Procedures.

Hierarchy level

Dataset

Reference System Information

Reference System Information

Code

[EPSG:3035](#)

Reference System Information

Reference System Information

Code

[EPSG:32738](#)

Reference System Information

Reference System Information

Code

[EPSG:32740](#)

Reference System Information

Reference System Information

Code

[EPSG:32620](#)

Reference System Information

Reference System Information

Code

[EPSG:32622](#)

Maintenance and update frequency

Metadata

Metadata identifier

93bdceca-30b6-41e8-94d8-f1d5f09eaa62

Language

English

Character encoding

UTF8

Contact

Organisation

Individual

Electronic
mail

Website Role

European Environment Agency

address

sdi@eea.
europa.eu

Point
of
contact

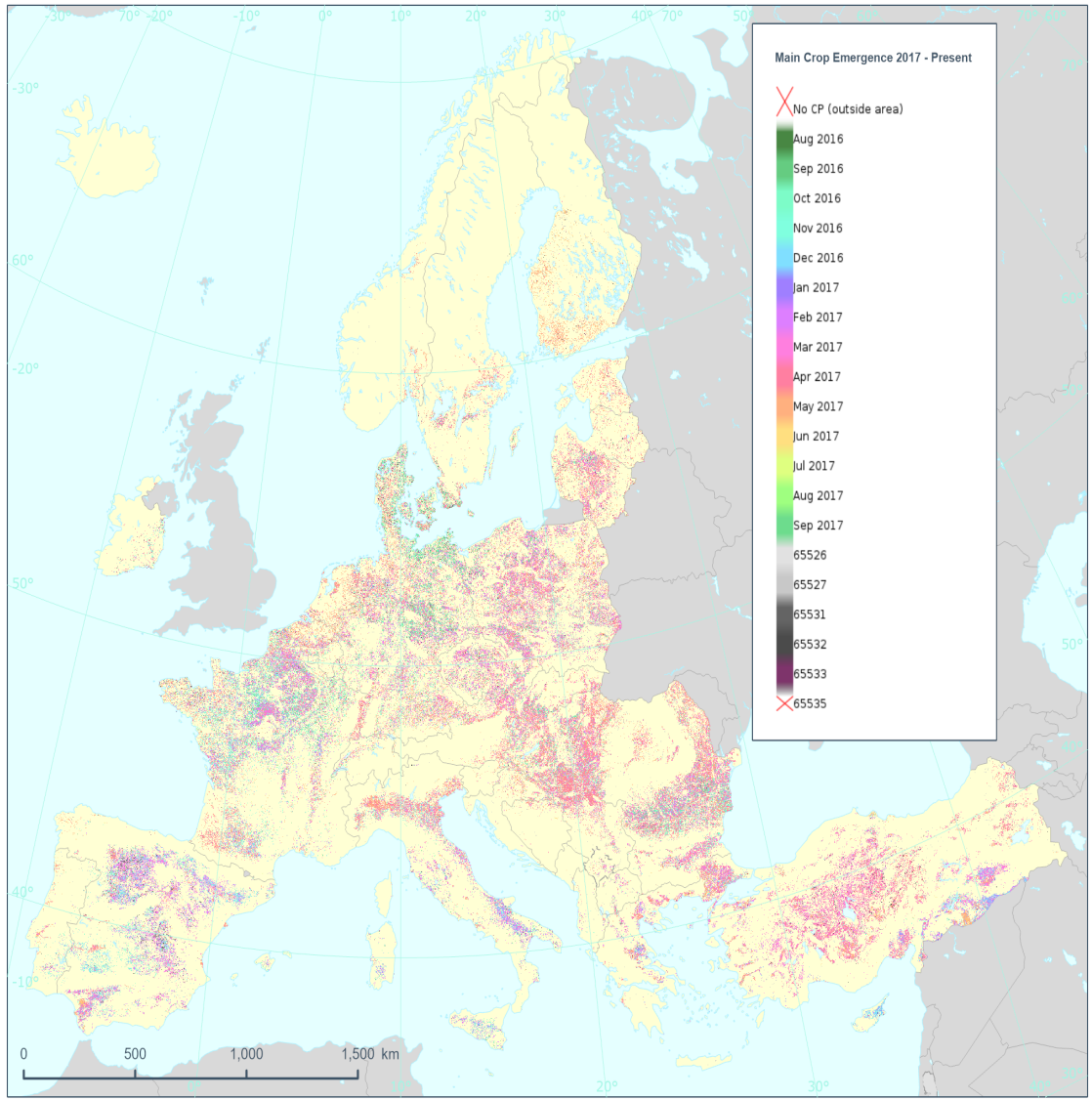
Type of resource

Resource type	Dataset
Metadata linkage	https://sdi.eea.europa.eu/catalogue/srv/api/records/93bdceca-30b6-41e8-94d8-f1d5f09eaa62
Date info (Creation)	2025-01-27T14:11:14.87841Z
Date info (Revision)	2025-10-09T11:03:59.000234Z

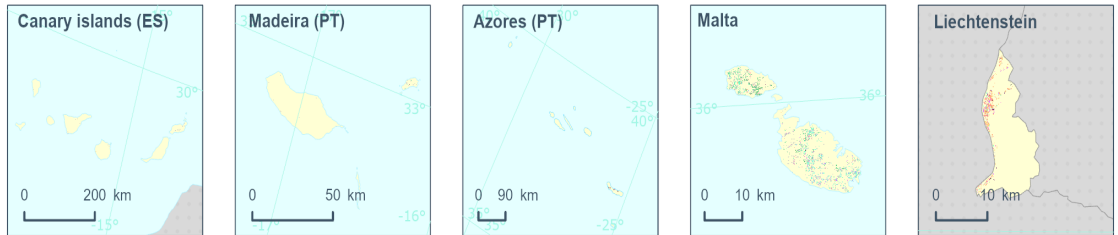
Metadata standard

Title	ISO 19115/19139
Edition	1.0

Overviews



Reference data: © EuroGeographics, © FAO (UN), © TurkStat Source: European Commission – Eurostat/GISCO



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