EEA geospatial data catalogue

Medium Resolution Vegetation Phenology and Productivity

The Copernicus Land Monitoring Service (CLMS) provides geographical information on land cover and its changes, land use, vegetation state, water cycle and earth surface energy variables to a broad range of users in Europe and across the world in the field of environmental terrestrial applications. CLMS is jointly implemented by the European Environment Agency and the European Commission DG Joint Research Centre (JRC).

Vegetation phenology is the description of periodic plant life cycle events across the growing seasons. Vegetation phenology with remote sensing is typically monitored by means of time series of vegetation indices. Vegetation indices address the amount of green biomass and allow the differentiation of the intensity of photosynthetic activity. This in turn depends on the plant functional types and dynamics during the growing season.

The MR-VPP product suite contains 2 product groups for 23 tiles, concluding to 1612 images per tile for the period 1.1.2000 to 31.12.2021. The three main groups of products, being (in order of production), are:

1) The raw Vegetation Index (VI). Plant Phenology Index (PPI);

2) The Vegetation Phenology Parameters (VPPs) product bundle are derived from the PPI index, on a yearly basis, after the end of the growing season. VPP metrics are provided for up to two growing seasons, being e.g. start of the season, end of season, seasonal productivity, etc.

The Medium-Resolution Vegetation Phenology and Productivity product suite is part of the European Union's Copernicus Land Monitoring Service.

IMPORTANT: The full on-line access to open and free data for this resource will be made available in the second half of 2024. Until then the data will be made available 'on-demand' by filling in the form at: https://land.copernicus.eu/contact-form

Simple

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Point of contact

No information provided.

Continents, countries, sea regions of the world.	• United Kingdom • EEA38 (from 2020)
Keywords	
Keywords	
EEA topics	• Agriculture and food • Forests and forestry • Land use
GEMET	• plant ecology • index • remote sensing • vegetation • land • plant production • productivity
GEMET - INSPIRE themes, version 1.0	• Habitats and biotopes

	• Habitats and biotopes • Environmental monitoring facilities • Environmental monitoring facilities • Orthoimagery • Orthoimagery
Spatial scope	• European
Temporal resolution	• Annually
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Spatial representation type	Grid
Language of dataset	English
Character set	UTF8
Topic category	• Climatology, meteorology, atmosphere • Environment • Imagery base maps earth cover

72.00	N	26.00	S	45.00	E	-25.00	W

Begin date	2000-01-01

Metadata

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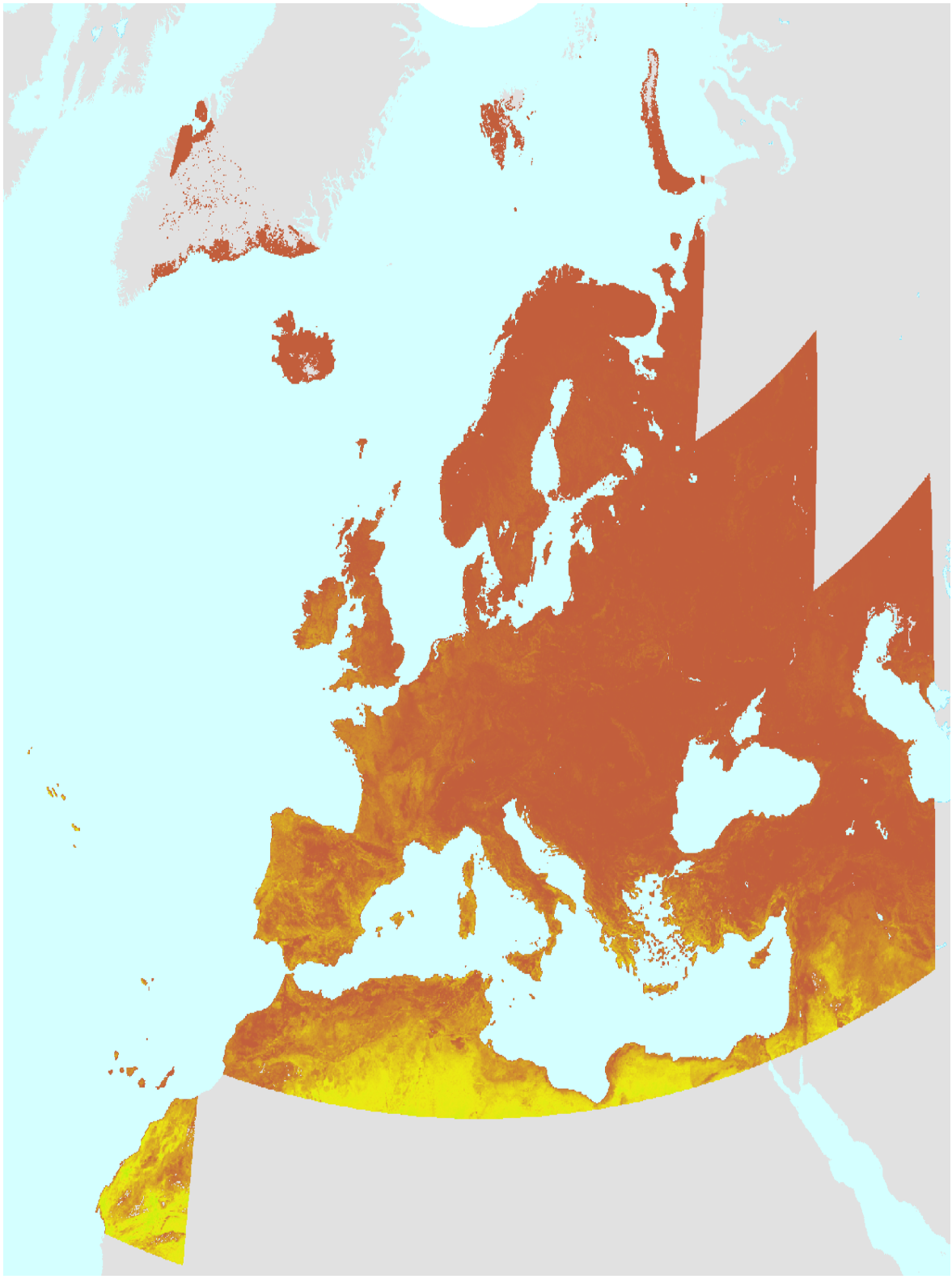
Overviews



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