

High Resolution Vegetation Phenology and Productivity: PPI Seasonal Trajectories (raster 10m) version 1 revision 1, Sep. 2021

This metadata refers to the Plant Phenology Index (PPI) Seasonal Trajectories, is one of the products of the pan-European High Resolution Vegetation Phenology and Productivity (HR-VPP) component of the Copernicus Land Monitoring Service (CLMS).

The Plant Phenology Index (PPI) is a physically based vegetation index for improved monitoring of plant phenology, that is developed from a simplified solution to the radiative transfer equation by Jin and Eklundh (2014) and that has a linear relationship with green leaf area index. The PPI Seasonal Trajectories (ST) product is derived from a TIMESAT-based function fitting of the time series of the PPI vegetation index and thus provides a filtered time series of Plant Phenology Index (PPI), with regular 10-day time step.

The PPI dataset is made available as raster files with 10 x 10m resolution, in UTM/WGS84 projection corresponding to the Sentinel-2 tiling grid, for those tiles that cover the EEA38 countries and the United Kingdom and for the period from 2017 until today. It is updated in the first quarter of each year.

Each file has an associated quality indicator (QFLAG) that provides a confidence level.

Simple

Date (Publication)	2021-09-02
Date (Creation)	2021-09-02
Edition	01.01
Citation identifier	copernicus_r_utm-wgs84_10_m_hrvpp-st-ppi_p_2017-now_v01_r01

Point of contact

No information provided.

Point of contact

No information provided.

Point of contact

No information provided.

Point of contact

No information provided.

Maintenance and update frequency	Continual
GEMET - INSPIRE themes, version 1.0	<ul style="list-style-type: none"> Environmental monitoring facilities Habitats and biotopes Orthoimagery
Keywords	
Keywords	
GEMET	<ul style="list-style-type: none"> remote sensing vegetation land

	<ul style="list-style-type: none"> • index • productivity • plant ecology • plant production
Spatial scope	<ul style="list-style-type: none"> • European
Temporal resolution	<ul style="list-style-type: none"> • Continual
Continents, countries, sea regions of the world.	<ul style="list-style-type: none"> • United Kingdom • EEA38 (from 2020)
EEA topics	<ul style="list-style-type: none"> • Biodiversity • Land use • Agriculture and food
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 Datasetidentifier	copernicus_r_utm-wgs84_10_m_hrvpp-vi-qflag2_p_2017-ongoing_v01_r01
Association Type	Cross reference
Aggregate Datasetidentifier	copernicus_r_utm-wgs84_10_m_hrvpp-vi-ndvi_p_2017-ongoing_v01_r01
Association Type	Cross reference
Aggregate Datasetidentifier	copernicus_r_utm-wgs84_10_m_hrvpp-vi-fapar_p_2017-ongoing_v01_r01
Association Type	Cross reference
Aggregate Datasetidentifier	copernicus_r_utm-wgs84_10_m_hrvpp-vi-lai_p_2017-ongoing_v01_r01
Association Type	Cross reference
Spatial representation type	Grid
Distance	10 m
Language of dataset	English
Character set	UTF8

Topic category

- Environment
- Imagery base maps earth cover
- Climatology, meteorology, atmosphere

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Begin date	2017-01-01																
CRS identifier	EPSG:32625																
CRS identifier	EPSG:32626																
CRS identifier	EPSG:32627																
CRS identifier	EPSG:32628																
CRS identifier	EPSG:32629																
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CRS identifier	EPSG:32635																
CRS identifier	EPSG:32636																
CRS identifier	EPSG:32637																
CRS identifier	EPSG:32638																
Distribution format	<ul style="list-style-type: none"> • GeoTIFF (1.0) 																
OnLine resource	<table border="0"> <thead> <tr> <th>Protocol</th> <th>Linkage</th> </tr> </thead> <tbody> <tr> <td>WWW:</td> <td>https://www.wekeo.eu/data?view=viewer&t=1562219742857&z=0&center=13.08408%2C48.33915&zoom=12.34&layers=W3siaWQiOiJjMlslmxeWVySWQiOiJFTzplUjZQUUpEQVQ6U0VBU09OQUwVfJBSkVdVE9SSUVTL19fREV3D%3D</td> </tr> <tr> <td>LINK-1.0-http-link</td> <td>3D%3D</td> </tr> <tr> <td>OGC:WMTS</td> <td>https://phenology.vgt.vito.be/wmts?request=GetCapabilities</td> </tr> <tr> <td>WWW:</td> <td>https://wekeo-broker.apps.mercator.dpi.wekeo.eu/databroker/ui/</td> </tr> <tr> <td>LINK-1.0-http-link</td> <td></td> </tr> <tr> <td>OGC:OpenSearch</td> <td>https://phenology.vgt.vito.be/description?collection=copernicus_r_utm-wgs84_10_m_hrvpp-st_p_2017-now_v01</td> </tr> <tr> <td></td> <td>https://land.copernicus.eu/pan-european/biophysical-parameters/high-resolution-vegetation-phenology-and-productivity/sea</td> </tr> </tbody> </table>	Protocol	Linkage	WWW:	https://www.wekeo.eu/data?view=viewer&t=1562219742857&z=0&center=13.08408%2C48.33915&zoom=12.34&layers=W3siaWQiOiJjMlslmxeWVySWQiOiJFTzplUjZQUUpEQVQ6U0VBU09OQUwVfJBSkVdVE9SSUVTL19fREV3D%3D	LINK-1.0-http-link	3D%3D	OGC:WMTS	https://phenology.vgt.vito.be/wmts?request=GetCapabilities	WWW:	https://wekeo-broker.apps.mercator.dpi.wekeo.eu/databroker/ui/	LINK-1.0-http-link		OGC:OpenSearch	https://phenology.vgt.vito.be/description?collection=copernicus_r_utm-wgs84_10_m_hrvpp-st_p_2017-now_v01		https://land.copernicus.eu/pan-european/biophysical-parameters/high-resolution-vegetation-phenology-and-productivity/sea
Protocol	Linkage																
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	WWW: LINK-1.0- http--link WWW: https://land.copernicus.eu/user-corner/technical-library/product-user-manual-of-seasonal-trajectories/ LINK-1.0- http--link OGC:WMS https://phenology.vgt.vito.be/wms?request=GetCapabilities
Hierarchy level	Dataset

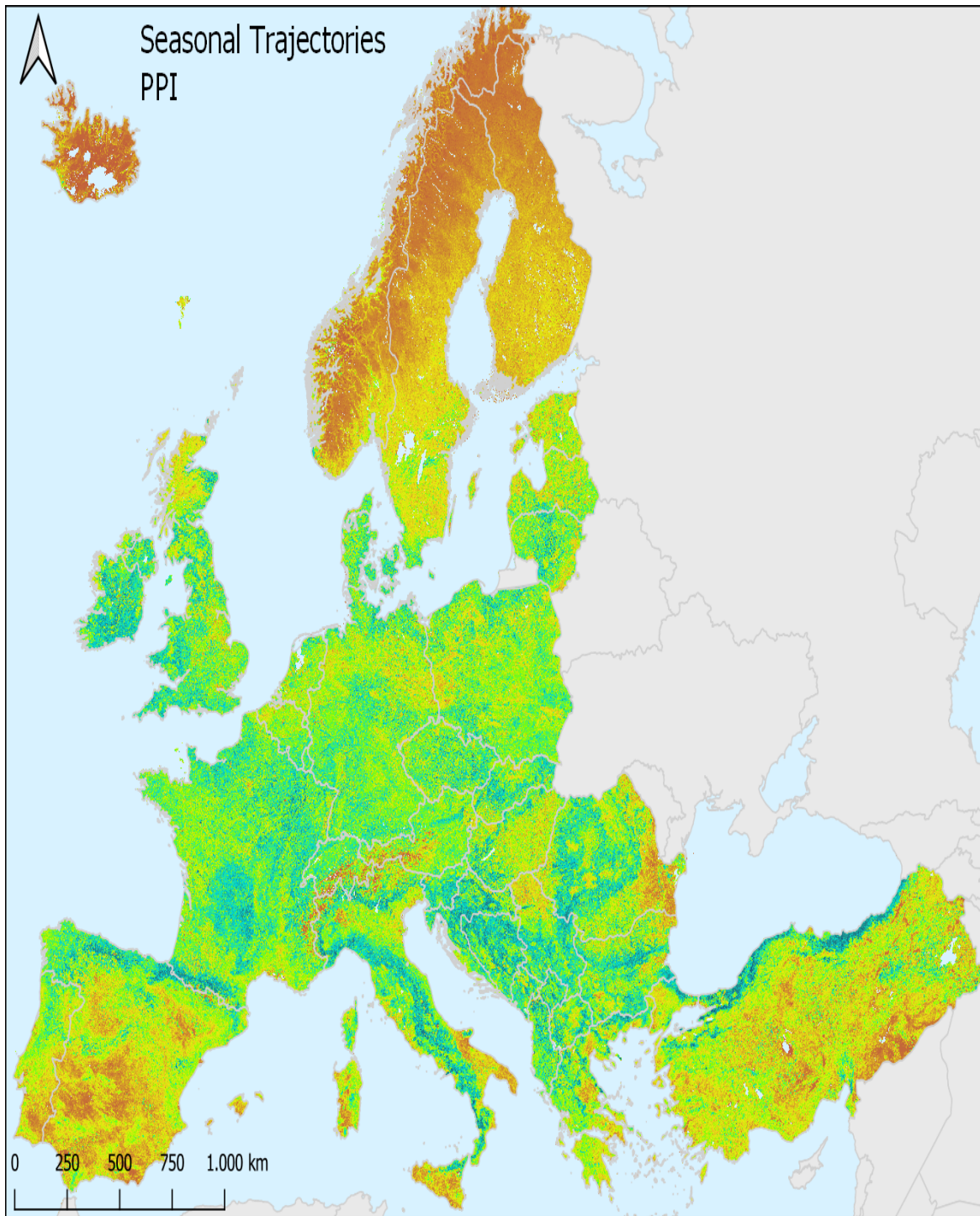
Conformance result

Date (Publication)	2010-12-08
Explanation	See the referenced specification
Statement	The latest validation results are described in the validation report at https://land.copernicus.eu/user-corner/technical-library/validation-report-of-seasonal-trajectories-vpp-parameters
Source	<ul style="list-style-type: none"> • High Resolution Vegetation Phenology and Productivity: Plant Phenology Index (raster 10m) version 1 revision 1, Sep. 2021 • High Resolution Vegetation Phenology and Productivity: Vegetation Indices Quality Flag (raster 10m) - version 1 revision 1, Sep. 2021

Metadata

File identifier	2512bab8-9221-422c-acbf-08167ed90649 XML										
Metadata language	English										
Character set	UTF8										
Hierarchy level	Dataset										
Date stamp	2023-03-24T15:16:36.85Z										
Metadata standard name	ISO 19115/19139										
Metadata standard version	1.0										
Metadata author	<table border="0"> <thead> <tr> <th>Organisation name</th> <th>Individual name</th> <th>Electronic mail address</th> <th>Role</th> </tr> </thead> <tbody> <tr> <td>European Environment Agency</td> <td></td> <td>sdi@eea. eur sdi@eea. europa.eu</td> <td>Point of contact</td> </tr> </tbody> </table>	Organisation name	Individual name	Electronic mail address	Role	European Environment Agency		sdi@eea. eur sdi@eea. europa.eu	Point of contact		
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European Environment Agency		sdi@eea. eur sdi@eea. europa.eu	Point of contact								

Overviews



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