

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_hrpp-st-ppi_p_2017-now_v01_r01			
Point of contact	Organisation name	Individual name	Electronic mail address	Website Role
	European Environment Agency		copernicus@eea.europa.eu	https://land.copernicus.eu Distributor
	European Environment Agency		copernicus@eea.europa.eu	https://land.copernicus.eu Custodian
	European Environment Agency		copernicus@eea.europa.eu	https://land.copernicus.eu Point of contact

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"> land remote sensing vegetation index productivity

	<ul style="list-style-type: none"> • 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"> • EEA38 (from 2020) • United Kingdom
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
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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 10 m
Language of dataset	English
Character set	UTF8
Topic category	<ul style="list-style-type: none"> • Environment • Imagery base maps earth cover • Climatology, meteorology, atmosphere



Begin date	2017-01-01																		
Coordinate reference system identifier	EPSG:32625																		
Coordinate reference system identifier	EPSG:32626																		
Coordinate reference system identifier	EPSG:32627																		
Coordinate reference system identifier	EPSG:32628																		
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Coordinate reference system identifier	EPSG:32636																		
Coordinate reference system identifier	EPSG:32637																		
Coordinate reference system 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=W3siaWQiOiJjMSIsInJlcGxhY2VtZW50Q29sb3JNYXBjZC16bnVsbCwibGF5ZXJJZC16ikVPOkVFQTPpEQVQ6Qc3D</td> </tr> <tr> <td>LINK-1.0-http-link</td> <td>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://land.copernicus.eu/en/technical-library/hr-vpp-data-access-manual/@_@download/file</td> </tr> <tr> <td>LINK-1.0-http-link</td> <td></td> </tr> <tr> <td>OGC:</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>OpenSearch</td> <td></td> </tr> <tr> <td></td> <td>https://land.copernicus.eu/en/products/vegetation/high-resolution-plant-phenology-index-seasonal-trajectories</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=W3siaWQiOiJjMSIsInJlcGxhY2VtZW50Q29sb3JNYXBjZC16bnVsbCwibGF5ZXJJZC16ikVPOkVFQTPpEQVQ6Qc3D	LINK-1.0-http-link	3D	OGC:WMTS	https://phenology.vgt.vito.be/wmts?request=GetCapabilities	WWW:	https://land.copernicus.eu/en/technical-library/hr-vpp-data-access-manual/@_@download/file	LINK-1.0-http-link		OGC:	https://phenology.vgt.vito.be/description?collection=copernicus_r_utm-wgs84_10_m_hrvpp-st_p_2017-now_v01	OpenSearch			https://land.copernicus.eu/en/products/vegetation/high-resolution-plant-phenology-index-seasonal-trajectories
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Hierarchy level	Dataset

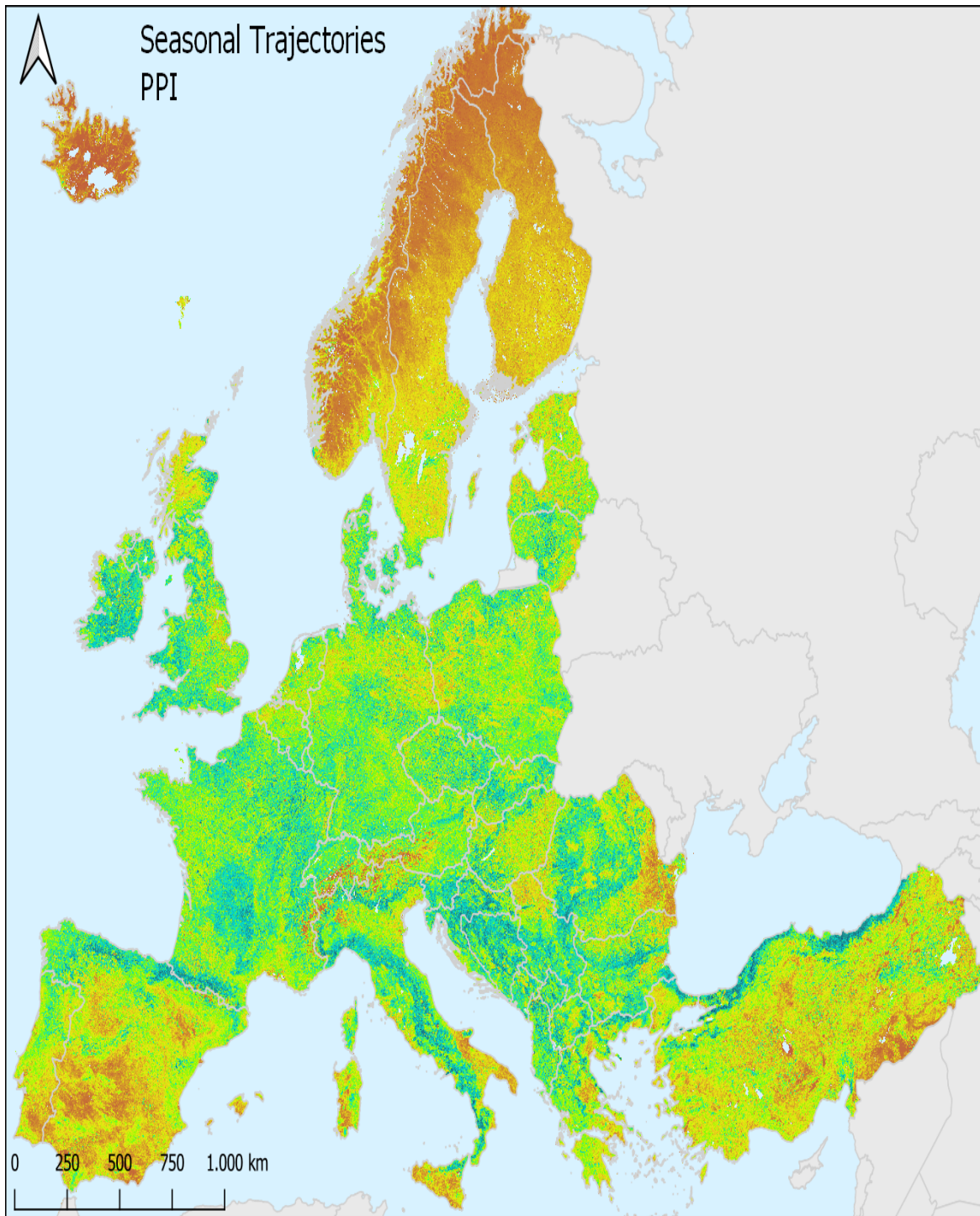
Conformance result

Date (Publication)	2010-12-08
Explanation	See the referenced specification
Statement	<p>The latest validation results are described in the validation report at</p> <p>https://land.copernicus.eu/en/technical-library/validation-report-of-seasonal-trajectories-vpp-parameters/@_@download/file .</p>
Source	•

Metadata

File identifier	2512bab8-9221-422c-acbf-08167ed90649 XML								
Metadata language	English								
Character set	UTF8								
Hierarchy level	Dataset								
Date stamp	2024-02-06T16:46:04.98Z								
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>Website Role</th> </tr> </thead> <tbody> <tr> <td>European Environment Agency</td> <td></td> <td>sdi@eea.europa.eu</td> <td>Point of contact</td> </tr> </tbody> </table>	Organisation name	Individual name	Electronic mail address	Website Role	European Environment Agency		sdi@eea.europa.eu	Point of contact
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Overviews



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