

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

The Quality Flag of the 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 Quality Flag indicates the quality of the PPI seasonal trajectory computation, in the form of a confidence level.

The QFLAG 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.

Simple

Date (Publication)	2021-09-02				
Date (Creation)	2021-09-02				
Edition	01.01				
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Point of contact

No information provided.

Maintenance and update frequency	Continual
GEMET - INSPIRE themes, version 1.0	- Environmental monitoring facilities - Orthoimagery - Habitats and biotopes
Keywords	
Keywords	
GEMET	- plant production - plant ecology - vegetation - land - productivity - index

	remote sensing
Spatial scope	European
Temporal resolution	Continual
Continents, countries, sea regions of the world.	- United Kingdom - EEA38 (from 2020)
EEA topics	- Land use - Biodiversity - Agriculture and food
Access constraints	Other restrictions
Other constraints	no limitations to public access
Use constraints	Other restrictions
Other constraints	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. Free, full and open access to this data set is made on the conditions that: - 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. - Users shall make sure not to convey the impression to the public that the user's activities are officially endorsed by the Union. - Where that data or information has been adapted or modified, the user shall clearly state this. - 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
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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	- Environment - Imagery base maps earth cover - Climatology, meteorology, atmosphere

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Begin date	2017-01-01		
Coordinate reference system identifier	EPSG:32625		
Coordinate reference system identifier	EPSG:32626		
Coordinate reference system identifier	EPSG:32627		
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Coordinate reference system identifier	EPSG:32635		
Coordinate reference system identifier	EPSG:32636		
Coordinate reference system identifier	EPSG:32637		
Coordinate reference system identifier	EPSG:32638		
Distribution format	GeoTIFF (1.0)		
OnLine resource	Protocol WWW: LINK-1.0- http--link	Linkage https://www.wekeo.eu/data?view=viewer&t=1562219742857&z=0&center=13.08408%2C48.33915&zoom=12.34&layers=W3siaWQiOiJjMSIsInJlcGxhY2VtZW50Q29sb3JNYXBjJZCI6bnVsbCwibGF5ZXJJZCI6IkVPOkVFEQTpEQVQ6Q6Q3D%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-seasonal-trajectories-quality-flag	

	WWW: LINK-1.0- http--link WWW: LINK-1.0- http--link OGC:WMS WWW: LINK-1.0- http--link https://land.copernicus.eu/en/technical-library/product-user-manual-of-seasonal-trajectories/@@download/file https://phenology.vgt.vito.be/wms?request=GetCapabilities https://land.copernicus.eu/en/products/vegetation/high-resolution-seasonal-trajectories-quality-flag#download
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/en/technical-library/validation-report-of-seasonal-trajectories-vpp-parameters/@@download/file .
Source	

Metadata

File identifier	56e4b64c-1834-4c65-a6f5-ade7af18cb4b XML		
Metadata language	English		
Character set	UTF8		
Hierarchy level	Dataset		
Date stamp	2024-02-06T16:46:02.261Z		
Metadata standard name	ISO 19115/19139		
Metadata standard version	1.0		
Metadata author	Organisation name European Environment Agency	Individual name	Electronic mail address sdi@eea.europa.eu Website Role Point of contact

Overviews



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