

High Resolution Vegetation Phenology and Productivity: Fraction of Absorbed Photosynthetically Active Radiation (raster 10m) version 1 revision 1, Sep. 2021

This metadata refers to the Fraction of Absorbed Photosynthetically Active Radiation (FAPAR) dataset, one of the near real-time (NRT) Vegetation Index products of the pan-European High Resolution Vegetation Phenology and Productivity (HR-VPP), component of the Copernicus Land Monitoring Service (CLMS).

The Fraction of Absorbed Photosynthetically Active Radiation (FAPAR) quantifies the fraction of the solar radiation absorbed by live leaves for the photosynthesis activity. Then, it refers only to the green and alive elements of the canopy. The FAPAR depends on the canopy structure, vegetation element optical properties, and illumination conditions.

The FAPAR 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 October 2016 until today, with daily updates.

Each file has an associated quality indicator (QFLAG2) to assist users with the screening of clouds, shadows from clouds and topography, snow and water surfaces.

Simple

Date (Publication)	2021-09-02			
Date (Creation)	2021-09-02			
Edition	01.01			
Citation identifier	copernicus_r_utm-wgs84_10_m_hrvpp-vi-fapar_p_2016-now_v01_r01			
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	European Environment Agency		copernicus@eea.europa.eu	https://land.copernicus.eu Distributor
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No information provided.

Maintenance and update frequency	Continual
GEMET - INSPIRE themes, version 1.0	- Orthoimagery - Land cover
Keywords	
Keywords	
GEMET	- plant ecology - plant production - remote sensing - land - photosynthesis - radiation - vegetation

Spatial scope	• European
Temporal resolution	• Daily
Continents, countries, sea regions of the world.	• United Kingdom • EEA38 (from 2020)
EEA topics	• Agriculture and food • Biodiversity • Land use
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: 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 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	2016-10-01		
Coordinate reference system identifier	EPSG:32625		
Coordinate reference system identifier	EPSG:32626		
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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 OGC:WMTS WWW: LINK-1.0- http--link OGC: OpenSearch	Linkage https://www.wekeo.eu/data?view=viewer&t=1566840390697&z=0&center=13.08408%2C48.33915&zoom=12.34&layers=W3siaWQiOiJlMilsInJlcGxhY2VrZW50Q29sb3JNYXBjZC16bnVsbCwibGE5ZlJJZC16IkVPOkVFQTPpEQVQ6Q0:3D https://phenology.vgt.vito.be/wmts?request=GetCapabilities https://land.copernicus.eu/en/technical-library/hr-vpp-data-access-manual/@@download/file https://phenology.vgt.vito.be/description?collection=copernicus_r_utm-wgs84_10_m_hrvpp-vi_p_2017-now_v01 https://land.copernicus.eu/en/products/vegetation/high-resolution-fraction-of-absorbed-photosynthetically-active-radiation	

	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-vegetation-indices/@@download/file https://phenology.vgt.vito.be/wms?request=GetCapabilities https://land.copernicus.eu/en/products/vegetation/high-resolution-fraction-of-absorbed-photosynthetically-active-radiation#d
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Hierarchy level	Dataset
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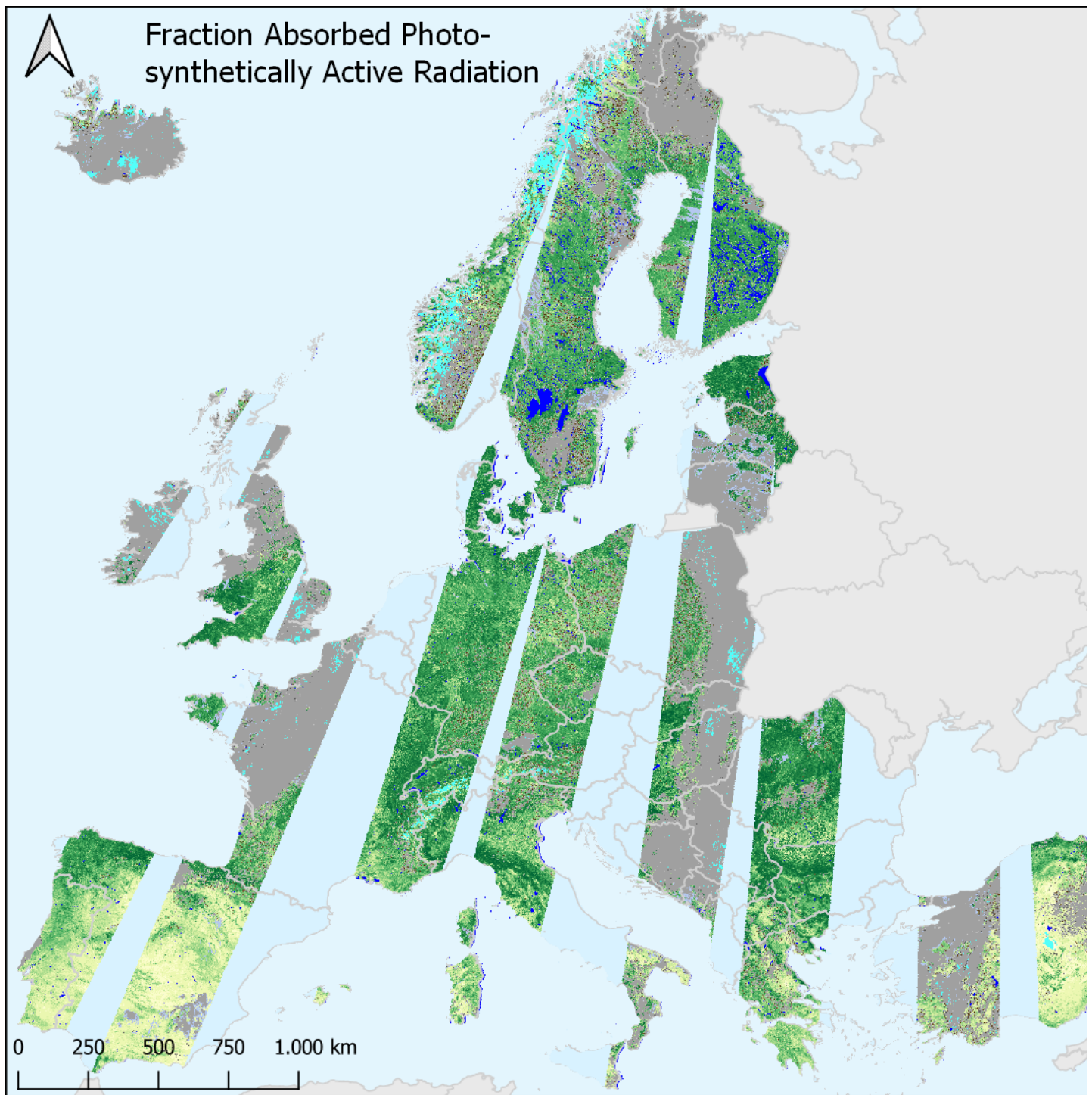
Conformance result

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-vegetation-indices

Metadata

File identifier	886b22ee-b16c-4f7e-a82c-5c905a89f896 XML				
Metadata language	English				
Character set	UTF8				
Hierarchy level	Dataset				
Date stamp	2024-02-06T16:46:24.784Z				
Metadata standard name	ISO 19115/19139				
Metadata standard version	1.0				
Metadata author	Organisation name		Individual name	Electronic mail address	Website Role
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Overviews



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