

Global 10-daily Normalized Difference Vegetation Index 333M

The Normalized Difference Vegetation Index (NDVI) is a proxy to quantify the vegetation amount. It is defined as $NDVI = (NIR - Red) / (NIR + Red)$ where NIR corresponds to the reflectance in the near infrared band, and Red to the reflectance in the red band. It is closely related to FAPAR and is little scale dependant.

Proposition de citation

European Commission Directorate-General Joint Research Centre. Global 10-daily Normalized Difference Vegetation Index 333M. http://land.copernicus.vgt.vito.be/geonetwork/srv/api/records/urn:cgl:global:ndvi300_v1_333m

Simple

Date (Creation)
2016-12-21

Edition
Version 1

Edition date
2017-01-01

Identifier
urn:cgl:global:ndvi300_v1_333m

Date (Revision)
2016-01-01

Other citation details
<http://land.copernicus.eu/global/documents/ndvi300/v1/pum>

Purpose
This product is first designed to fit the requirements of the Global component of Land Service of the Copernicus programme. It can be also useful for all applications related to the environment monitoring.

Credit
NDVI products were generated by the Global Land Service of Copernicus, the Earth Observation programme of the European Commission. The research leading to the current version of the product has received funding from various European Commission Research and Technical Development programs. The product is based on PROBA-V 333m data (copyright BELSPO and distribution by VITO NV).

Status
Completed

Principal investigator

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Boeretang 200 Mol 2400

Hours of service
Office hours, 5 days per week

Contact instructions
Preferrably by e-mail

Website
[VITO NV website](#)

Organization website

Originator

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Website
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Organization website

Owner

[European Commission Directorate-General for Internal Market, Industry, Entrepreneurship and SMEs](#)
Avenue d'Auderghem 45 Brussels 1049

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Office hours, 5 days per week

Contact instructions

Preferrably by e-mail

Website

[Copernicus programme website](#)

Organization website

Custodian

[European Commission Directorate-General Joint Research Centre](#)
Via E.Fermi, 249 Ispra 21027

Hours of service

Office hours, 5 days per week

Contact instructions

Preferrably by e-mail

Protocol

<http://ies.jrc.ec.europa.eu>

Name

EC DG-JRC Institute for Environment and Sustainability

Description

Organization website

Function

Information

Maintenance and update frequency

As needed

Update scope

Series

Name

NetCDF

Version

4.2.1.1

Specification

Network Common Data Form

GEMET - INSPIRE themes, version 1.0 (Theme)

- Orthoimagery

GEMET - Concepts, version 2.1

- plant resource

Mots clés (Theme)

- biogeophysical , ndvi

Mots clés (Place)

- GLOBE

Mots clés (Temporal)

- Dekad , 10-day composite

Copernicus Themes (Theme)

- Vegetation

Copernicus Variables (Theme)

- NDVI

Use limitation

No limitations

Use constraints

Copyright

Access constraints

Other restrictions

Other constraints

(d) the confidentiality of commercial or industrial information, where such confidentiality is provided for by national or Community law to protect a legitimate economic interest, including the public interest in maintaining statistical confidentiality and tax secrecy.

Association Type

Part of seamless database

Initiative Type

Project

Association Type

Source

Initiative Type

Platform

Association Type

Source

Initiative Type

Sensor

Spatial representation type

Grid

Distance

0.0029761905 http://standards.iso.org/ittf/PubliclyAvailableStandards/ISO_19139_Schemas/resources/uom/ML_gmxUom.xml#deg

Metadata language

eng

Character set

UTF8

Topic category

- Imagery base maps earth cover
- Biota
- Farming
- Environment

N

S

E

W

Time period

10-days compositedekad2014-01-01T00:00:002019-12-31T23:59:59

Reference system identifier

EPSG Geodetic Parameter Dataset / EPSG:4326

Reference system identifier

World Geodetic System / WGS84

Number of dimensions

2

Dimension name

Row

Dimension size

47040

Resolution
0.0029761905 deg

Dimension name
Column

Dimension size
120960

Resolution
0.0029761905 deg

Cell geometry
Area

Transformation parameter availability
false

Checkpoint Availability
true

Checkpoint Description
Upperleft corner tiepoint

Point in Pixel

- Center

Distribution format

- NetCDF (4.2.1.1)

Specification
Network Common Data Form

Distributor

Distributor

[VITO NV](#)
Boeretang 200 Mol 2400

Hours of service
Office hours, 7 days per week

Contact instructions
Preferrably by e-mail

Website
[Data portal](#)
Project portal

Fees
Free by ftp and EUMETCast; cost of medium by DVD or tape

Ordering instructions
Products can be downloaded online via HTTP (or FTP) or can be received through EUMETCast satellite reception in Europe, Africa and Latin-America. When ordering products from the online archive or subscribing to receive future products, users are informed via e-mail whenever the requested products are ready to be downloaded on the FTP server.

Units of distribution
Per product

OnLine resource
[Copernicus Global Land Service](#)
1. Search, download and custom order products from Catalogue and Ordering services

OnLine resource
[Copernicus Global Land Service](#)
2. Subscribe to receive future products via e-mail

Units of distribution
Per product

OnLine resource
[Copernicus Global Land Service](#)

3. Register to receive products via EUMETCast

Hierarchy level
Series

Conformance result

Date (Publication)
2010-12-01

Explanation
<http://land.copernicus.eu/global/documents/ndvi300/v1/v1>

Pass
1

Conformance result

Date (Publication)
2010-04-26

Explanation
See the referenced specification

Pass
true

Statement
The input data are the 10-daily Top of the Canopy reflectances measured by the PROBA-VEGETATION sensor. The NDVI is calculated using the Red and Nir reflectance values while filtering out all observations indicated as not good by the Status Map. These non-optimal observations are indicated as a flag (digital value > 250) together with the water derived from a Land Sea mask.

gmd:MD_Metadata

File identifier
urn:cgl:global:ndvi300_v1_333m [XML](#)

Metadata language
English

Character set
UTF8

Hierarchy level
Series

Date stamp
2020-03-06T17:49:38

Metadata standard name
ISO19115

Metadata standard version
2003/Cor.1:2006

Point of contact

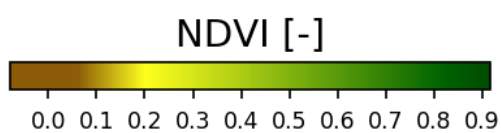
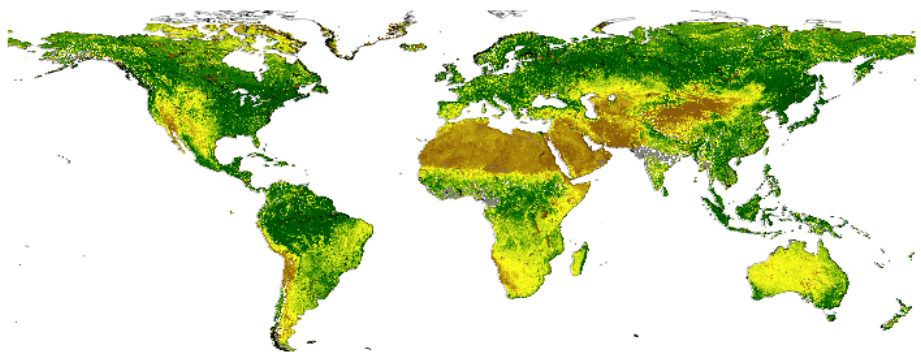
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Copernicus Global Land website

Aperçus



NDVI

Fourni par



Partager

Ressources associées

Not available