

# 10-daily Dry Matter Productivity 333M

Dry matter Productivity (DMP) is an indication of the overall growth rate or dry biomass increase of the vegetation and is directly related to ecosystem Net Primary Productivity (NPP), however its units (kilograms of gross dry matter per hectare per day) are customized for agro-statistical purposes. Compared to the Gross DMP (GDMP), or its equivalent Gross Primary Productivity, the main difference lies in the inclusion of the autotrophic respiration. Like the FAPAR products that are used as input for the GDMP estimation, these GDMP products are provided in Near Real Time, with consolidations in the next periods, or as offline product.

## *Proposition de citation*

European Commission Directorate-General Joint Research Centre. 10-daily Dry Matter Productivity 333M. [http://land.copernicus.vgt.vito.be/geonetwork/srv/api/records/urn:cglis:global:dmp300\\_v1\\_333m](http://land.copernicus.vgt.vito.be/geonetwork/srv/api/records/urn:cglis:global:dmp300_v1_333m)

## Simple

Date ( Creation )  
2018-01-10

Edition  
V1.0.1

Edition date  
2018-03-03

Identifier  
urn:cglis:global:dmp300\_v1\_333m

Date ( Revision )  
2016-01-01

Other citation details  
[https://land.copernicus.eu/global/documents/dmp300/v1/p\\_um](https://land.copernicus.eu/global/documents/dmp300/v1/p_um)

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  
DMP 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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*Hours of service*  
Office hours, 5 days per week

*Contact instructions*  
Preferably by e-mail

*Website*  
[VITO NV website](#)  
  
Organization website

### Originator

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*Website*

[VITO NV website](#)

Organization website

## Owner

[European Commission Directorate-General for Internal Market, Industry, Entrepreneurship and SMEs](#)  
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[Copernicus programme website](#)

Organization website

## Custodian

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Via E.Fermi, 249 Ispra 21027

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Office hours, 5 days per week

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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

- agricultural production

Mots clés ( Theme )

- dry matter , crops , primary productivity

Mots clés ( Place )

- GLOBE

Mots clés ( Temporal )

- Dekad , 10-daily composite

Copernicus Themes ( Theme )

- Vegetation

Copernicus Variables ( Theme )

- Dry Matter Productivity

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](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-daily 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](#)  
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*Hours of service*  
*Office hours, 7 days per week*

*Contact instructions*  
*Preferably 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

<https://land.copernicus.eu/global/documents/dmp300/v1/vr>

Pass

1

## Conformance result

Date ( Publication )

2010-04-26

Explanation

See the referenced specification

Pass

true

Statement

As described by Monteith (1972), DMP is estimated from a combination of temperature information and solar radiation information derived from EO satellite data. This version uses the temporally smoothed, gap-filled FAPAR 300m version 1 products as input, together with 0.25 degree temperature data and biome-specific Land Use Efficiency (LUE) values that are calibrated using flux tower measurements.

### gmd:MD\_Metadata

File identifier

urn:cgl:global:dmp300\_v1\_333m [XML](#)

Metadata language

English

Character set

UTF8

Hierarchy level

Series

Date stamp

2020-03-05T11:46:04

Metadata standard name

ISO19115

Metadata standard version

2003/Cor.1:2006

### Point of contact

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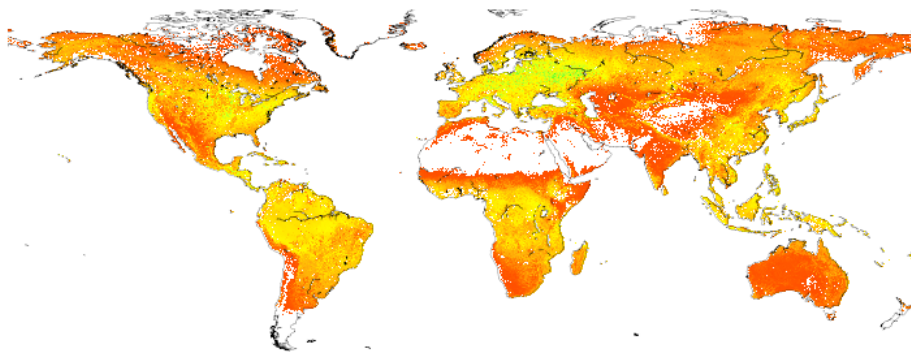
*Contact instructions*

*Preferably by e-mail*

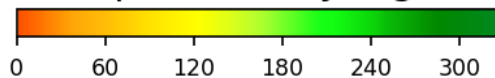
*Website*

[Copernicus Global Land service](#)

*Copernicus Global Land website*



Dry matter productivity [kg / ha / day]



Dry Matter Productivity, June 2019

Fourni par



Partager

Ressources associées

Not available