

10-daily Gross Dry Matter Productivity 333M

Gross dry matter Productivity (GDMP) is an indication of the overall growth rate or dry biomass increase of the vegetation and is directly related to ecosystem Gross Primary Productivity (GPP), that reflects the ecosystem's overall production of organic compounds from atmospheric carbon dioxide, however its units (kilograms of gross dry matter per hectare per day) are customized for agro-statistical purposes. 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 Gross Dry Matter Productivity 333M. http://land.copernicus.vgt.vito.be/geonetwork/srv/api/records/urn:cgl:global:gdm300_v1_333m

Simple

Date (Creation)
2018-01-10

Edition
V1.0.1

Edition date
2018-03-03

Identifier
urn:cgl:global:gdm300_v1_333m

Date (Revision)
2016-01-01

Other citation details
<https://land.copernicus.eu/global/documents/gdm300/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
GDMP 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
Preferably by e-mail

Website
[VITO NV website](#)

Organization website

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Organization website

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Organization website

Custodian

[European Commission Directorate-General Joint Research Centre](#)
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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)

- gross 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

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](#)

Boeretang 200 Mol 2400

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/gdmp300/v1/vr>

Pass

1

Conformance result

Date (Publication)

2010-04-26

Explanation

See the referenced specification

Pass

true

Statement

As described by Monteith (1972), GDMP 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, biome-specific Land Use Efficiency (LUE) values that are calibrated using flux tower measurements.

gmd:MD_Metadata

File identifier

urn:cgl:global:gdmp300_v1_333m [XML](#)

Metadata language

English

Character set

UTF8

Hierarchy level

Series

Date stamp

2020-03-06T17:46:35

Metadata standard name

ISO19115

Metadata standard version

2003/Cor.1:2006

Point of contact

[VITO NV](#)

Boeretang 200 Mol 2400

Hours of service

Office hours, 7 days per week

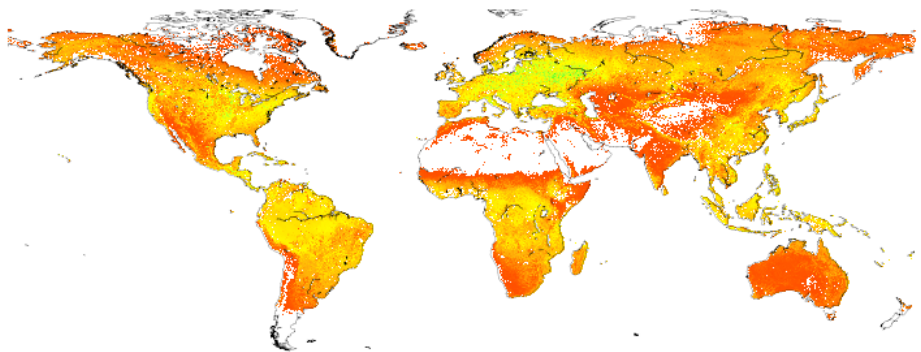
Contact instructions

Preferably by e-mail

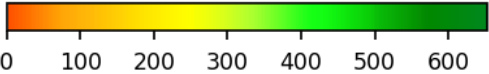
Website

[Copernicus Global Land service](#)

Copernicus Global Land website



Gross dry matter productivity [kg / ha / day]



Gross dry matter productivity

Fourni par



Partager

Ressources associées

Not available