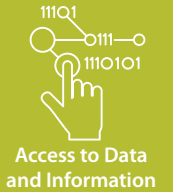




Land Monitoring Service



Search and Browse



- 3 levels of geographical information (global, pan-European and local)
- Mid and low resolution global bio-geophysical products on vegetation, water cycle and energy budget in near-real time and long-term time series archives
- Pan-European high resolution land-cover/land-use products on EEA-39 countries, 5 high-resolution layers (impervious surfaces, forest areas, grasslands, wetness, and water, small woody features), 2 pan-European reference datasets (EU-Hydro and EU-DEM)
- Detailed information on land cover and land use on major cities (Urban Atlas), Natura 2000 protected sites, and river border zones (Riparian Zones)

Discover and Visualise



- Visualise, analyse, interpret and share the data you need
- Access to quality information per product
- Discover the global time series viewer

Register



- Order and download data
- Benefit from customised services and from a manned-expert helpdesk
- Share your requirements with us

Download



- Select and download the data sets you need
- One-off download or by scripts

Compute



- Use data as you wish for analysis, estimation, producing indicators, assessment...
- Integrate data in other models
- Merge data with your own

Join Up



- Get trained
- Get inspired
- Meet future partners

Implemented by:



Space

What data?

- **What is CLMS?**

CLMS is the Copernicus Core Service for Land data which provides geographical information on land cover and on related variables, such as the vegetation state or the water cycle. It operates at global, pan-European, and local levels.

- **Who is responsible for CLMS?**

The global component is led by the Joint Research Centre (JRC) of the European Commission, in Ispra, Italy.

The pan-European and local components are led by the European Environment Agency (EEA) in Copenhagen, Denmark.

- **What type of data is available and at which geographical coverage?**

- The Global Component provides a portfolio of **bio-geophysical products** on the status and evolution of land surface at global scale at mid and low spatial resolution produced in a timely manner (**near-real time**) and complemented by **long-term**

time series archives. The products are used to monitor the vegetation, the water cycle and the energy budget.

- The pan-European Component provides a portfolio of high resolution land-cover/land-use products, covering 39 European countries (**EEA-39**) (seamless ortho-rectified raster, vector-based CORINE Land Cover data for 1990, 2000, 2006 and 2012, and the land cover change layers), **five raster-based high-resolution layers on land-cover characteristics** (impervious surfaces, forest areas, grasslands, wetness, and water, small woody features), **EU-Hydro** and **EU-DEM**, respectively pan-European hydrographic and elevation reference datasets.
- The Local Component provides more detailed information on land cover and land use over major areas in Europe of specific interest, such as major cities and their surroundings (**Urban Atlas**) and **Natura 2000** protected sites, and river border zones (**Riparian Zones**).

What for?

- **What are the areas of benefits?**

CLMS supports a large range of applications in a variety of domains such as spatial planning, forest management, ecosystem monitoring, water management, drought and flood monitoring, agriculture and food security, biodiversity conservation, climate change mitigation, etc.

- **Typical questions that CLMS can support:**

- How do urbanization, deforestation, soil degradation and desertification evolve?
- Do the crops develop normally over Europe during the growing season?
- Where are the new impervious surfaces located and would flooding impact them?

Where?

- **Where to access the CLMS data?**

All data are available through the land.copernicus.eu portal.

- **Do I need to register before downloading the products?**

- Registration is mandatory to see Global Land collections and order the products.
- Pan-European and local land products can be freely consulted, but registration is mandatory to download Pan-European and local land collections: land.copernicus.eu/@register.

- **Who can access the data?**

Output products provided through the CLMS portal benefit from the free and open access policy.

- **Which type of user support?**

- Global component help desk: helpdeskticket@vgt.vito.be
- Service desk: land.copernicus.eu/contact-form or copernicus@eea.europa.eu

How?

- **How to download Global CLMS products?**

- Global Land Products must be ordered through the online product access portal: land.copernicus.vgt.vito.be/PDF/portal/Application.html#Home.
- A product distribution portal "fast HTTP access" is available to download the data (same user name and password); a user manual is available online: land.copernicus.vgt.vito.be/PDF/image/Data_pool_manual.pdf.

- **How to quickly visualize a product?**

- Global viewing service: land.copernicus.eu/global/viewing-services
- Pan-European data portal: land.copernicus.eu/pan-european
- Local data portal: land.copernicus.eu/local

Other information

- Free and full open data policy
- How can I be trained to use CLMS products?
 - Global User Support Corner: Leaflet, product portfolio, contact us and FAQ: land.copernicus.eu/global.

- For pan-European and local levels, technical library, validation information and documentation: land.copernicus.eu/user-corner/technical-library.