



Accessing EUMETSAT Data



EUMETSAT offers a range of data delivery mechanisms to match the needs of the user community. These include a simple visualisation service, EUMETView; a near real-time

push service provided by EUMETCast, and an ordering service for long-time series data.

EUMETView

EUMETView is a visualisation service that allows users to view EUMETSAT (Meteosat and Metop) and Copernicus Sentinel-3 marine imagery in an interactive way, through an online map viewer or Web Map Service (WMS). Users can choose a layer, select the date range and area of interest, and then display their chosen imagery or run an animated loop.

EUMETView implements the OpenGIS Web Map Service (WMS) Interface Standard and can be used to request and overlay EUMETSAT products in GIS clients supporting OGC WMS 1.3.0.

EUMETCast

EUMETCast is a multi-service push dissemination system based on multicast technology. The multicast stream is transported to the user via satellite (EUMETCast Satellite) or terrestrial (EUMETCast Terrestrial) networks.

EUMETCast Satellite has coverage in Europe, the Middle-East and Africa. EUMETCast Terrestrial can be used by agencies connected to National Research and Education Networks worldwide.

Any environmental data, of any format, can be distributed through EUMETCast. The service delivers more than 380 different product collections, including EUMETSAT's own satellite data, Copernicus marine and atmosphere data, and a wide range of third-party products.

Copernicus Online Data Access

This download service offers all Sentinel-3 marine and atmosphere products through a rolling buffer which at its maximum will span up to 12 months worth of data. Access may be through an ftp client or via a user interface. The ftp provides access to a fixed

set of global and regional marine and atmosphere data. The user interface allows users to select their own area of interest from the global products. Both services offer easy download through script interfaces.

Data Centre

The Data Centre comprises an archive of all EUMETSAT satellite data going back to Meteosat-2 in 1981 and continuing up to today's operational satellites. It guarantees the long-term preservation of this data, which is critical for the development of climate data records.

An ordering application enables users to browse EUMETSAT's catalogue of products, including the Copernicus Sentinel-3 marine and

atmosphere products. Users can select the required time range, area of interest and output format and place orders which are processed automatically. The resulting data can be retrieved from an online server or via offline media, depending on the volume of data requested.

Implemented by:



Space



What data?

- **Which data access service should I choose?**

- EUMETView provides an easy way to view data, play animations or integrate into your own GIS tool. It can be used as a training tool to introduce new users to our data before they place orders from the Data Centre, subscribe to on EUMETCast or download.
- EUMETCast is ideal for the delivery of near real-time satellite data and products. The EUMETCast satellite service offers a guaranteed service level to ensure that high-volume data is disseminated to meet users' high-timeliness requirement.
- If all you need is Sentinel-3 marine data use our Copernicus Online Data Access service, but remember we offer a wide range of other marine data through EUMETCast.

- The Data Centre is an ideal source if you require some sample data or you would like to access a time series of data, such as one of our Climate Data Records.

- The data provided by EUMETSAT supports a large range of applications in a variety of domains such as:

- Public health
- Energy
- Agriculture
- Weather
- Water
- Climate
- Natural disasters
- Ecosystems

Where?

- **Where can I go to access the data?**

All data is listed in Product Navigator, the catalogue of all EUMETSAT and Copernicus Sentinel-3 marine and atmosphere products, including the third-party products disseminated via EUMETCast.

Each entry in the Product Navigator provides information on supporting documentation and data access options. You can follow the data access links to further information or to access the online data/ordering service directly.

- **Do I need to register to access this data?**

EUMETView is available without registration. For all other data access means you need to create an account in the EUMETSAT Earth Observation Portal (EOP).

- **Who can access the data?**

It depends on the data. Most are open and free, some data are licensed and some are targeted towards specific user groups.

How?

- **How do I access these data?**

1. Firstly, create your EOP account.
2. Select your chosen delivery mechanism/s (e.g. EUMETCast, ODA, Data Centre).
3. For ODA and the Data Centre simply follow the links in the EOP to access the service.
4. For EUMETCast, complete the detailed registration steps to subscribe to the data streams you require and to request the quantity of EUMETCast Client Software packages needed.

- **How can I learn about changes to the EUMETSAT data?**

To keep up-to-date with the changes made to the EUMETSAT services register for email announcements through our User Notification Service (UNS) or visit the UNS page on our website. You can register for UNS email service through your EOP account. We also Tweet our service updates and you can follow these on: twitter.com/@eumetsat_users

User Support

- The User Helpdesk can be contacted during office hours if you have comments or questions: ops@eumetsat.int
- Technical documentation and trouble-shooting information are provided through the website, including a list of manufacturers who provide turn-key solutions and scientific data processing software.

- The online Image Library provides insight into the application of the data provided by EUMETSAT, e.g.

- **Algal blooms and ocean eddies were captured by Sentinel-3A in July 2016.**

- **Altimeters monitor sea level rise in May 2008.**

- Several times a year, trainings are organized by EUMETSAT on the use of their data. Online training material is also available.

More information

General information: www.eumetsat.int

Product Navigator catalogue: navigator.eumetsat.int

EOP Registration portal: eportal.eumetsat.int

EUMETView: eumetview.eumetsat.int