

Use of McIDAS at EUMETSAT Data Centre

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The EUMETSAT Data Centre





The EUMETSAT Data Centre

The Data Centre aims to:

- Guarantee a long-term preservation of data and generated products from EUMETSAT's meteorological satellites.
- Enable users to browse, make automated orders, and retrieve data from EUMETSAT's catalogue of products.
- Set up in 1995, the Data Centre has developed to become a state-of-the-art archive serving all EUMETSAT satellite programmes. With more than 200 meteorological satellite products available — in the case of Meteosat spanning a record of more than 30 years — the Data Centre offers one of Europe's largest and most comprehensive collections in this field.



How to Access Data from EUMETSAT

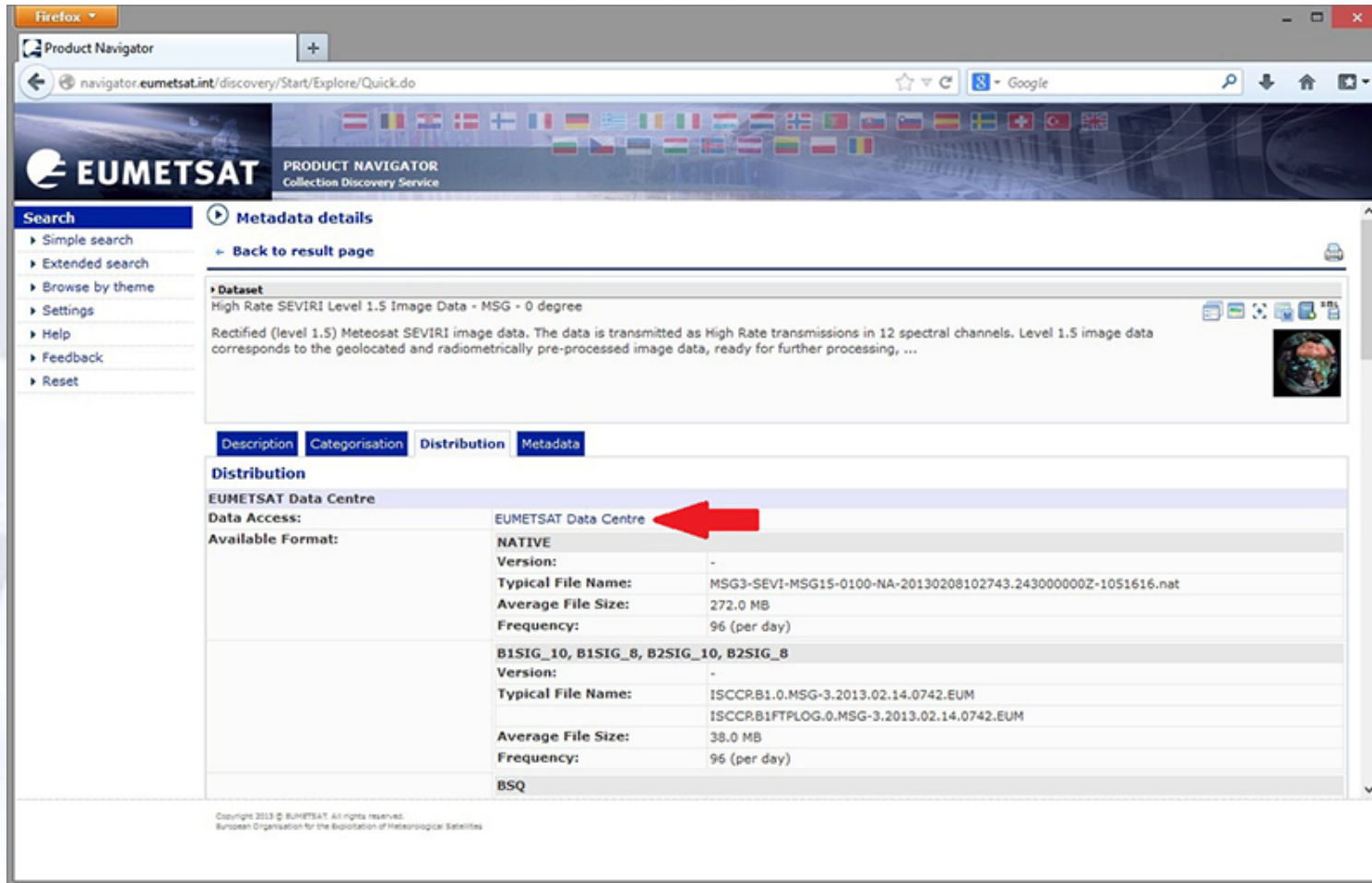
- To find out what type of Data you want, use the Product Navigator:

Product Navigator URL: <http://navigator.eumetsat.int>

- To register for Data Access Services, users should create an account in the Earth Observation (EO) Portal and for ordering data from the Data Centre Archive, subscribe to the Data Centre Archive service.
- EO Portal URL: <http://eoportal.eumetsat.int>
- User guides, training slides and general information about the Data Centre can be founded under:

<http://www.eumetsat.int/website/home/Data/DataDelivery/EUMETSATDataCentre/index.html>

Product Navigator: EUMETSAT Product Catalogue



The screenshot shows the EUMETSAT Product Navigator web interface. The browser address bar displays the URL: `navigator.eumetsat.int/discovery/Start/Explore/Quick.do`. The page title is "PRODUCT NAVIGATOR Collection Discovery Service".

The main content area is titled "Metadata details" and includes a "Back to result page" link. The dataset information is as follows:

- Dataset:** High Rate SEVIRI Level 1.5 Image Data - MSG - 0 degree
- Description:** Rectified (level 1.5) Meteosat SEVIRI image data. The data is transmitted as High Rate transmissions in 12 spectral channels. Level 1.5 image data corresponds to the geolocated and radiometrically pre-processed image data, ready for further processing, ...

The "Distribution" tab is selected, showing the following information:

Distribution
EUMETSAT Data Centre

Data Access:	EUMETSAT Data Centre
Available Format:	NATIVE
Version:	-
Typical File Name:	MSG3-SEVI-MSG15-0100-NA-20130208102743.243000000Z-1051616.nat
Average File Size:	272.0 MB
Frequency:	96 (per day)
	B1SIG_10, B1SIG_8, B2SIG_10, B2SIG_8
Version:	-
Typical File Name:	ISCCR.B1.0.MSG-3.2013.02.14.0742.EUM ISCCR.B1FTFLOG.0.MSG-3.2013.02.14.0742.EUM
Average File Size:	38.0 MB
Frequency:	96 (per day)
	BSQ

A red arrow points to the "EUMETSAT Data Centre" link in the Data Access row.

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EO Portal: User Registration and Subscription

The Data Centre Ordering Application can be found here:

EUMETSAT EARTH OBSERVATION PORTAL
My Account

PRODUCT NAVIGATOR | DATA CENTRE | HELP

HOME [AJACOB]

- ▶ User Profile
- ▶ Service Subscriptions
- ▶ Licences
- ▶ Logout

2.15

Earth Observation Portal

Welcome to the EUMETSAT Earth Observation Portal. Select from the available options to view/modify your profile, subscribe/unsubscribe to services, request decryption hardware and software, view your licence details and request new or view existing Data Centre orders.
If you are registering for data and products for the first time, go to Edit/View Service Subscriptions to select your preferred service/s.

AVAILABLE OPTIONS

-  **▶ Edit/View Service Subscriptions**
Select the near real-time data and products you wish to receive, your preferred delivery mechanism and update your data usage profile.
-  **▶ Edit/View User Profile**
Modify your contact details, including address details for delivery and invoicing purposes, phone, fax and email, etc.
-  **▶ View/Extend Licences**
View existing licence arrangements, request a licence renewal.
-  **▶ Data Centre Application**
Request new archive data and view status of current and previous Data Centre orders.

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Data Centre Ordering Application

The screenshot displays the EUMETSAT Data Centre Online Ordering application. The interface includes a sidebar on the left with a tree view of orders, a main panel showing order details and a table of granules, and a bottom bar with buttons for canceling orders and opening the delivery page.

Orders

- ORDERS
 - Standard Orders
 - SUBMITTED
 - 1027264_2012-04-10 07:29:46.0Z
 - DELIVERED
 - ERROR

Details

ID: 1027264
Submission Date: 2012-04-10 07:29:46.0Z
Price (Euro): 0.00
Size (MB): 2,084.00

Archive Facility: UMARF

Granule Name	Product Type	Media Type	Compression Method	Product Format
20120408120010-MSG2-MSG15	High Rate SEVIRI Level 1.5 Image Data	On line delivery	BZIP2	McIdas AREA files
20120408121510-MSG2-MSG15	High Rate SEVIRI Level 1.5 Image Data	On line delivery	BZIP2	McIdas AREA files
20120408123010-MSG2-MSG15	High Rate SEVIRI Level 1.5 Image Data	On line delivery	BZIP2	McIdas AREA files
20120408124510-MSG2-MSG15	High Rate SEVIRI Level 1.5 Image Data	On line delivery	BZIP2	McIdas AREA files

Cancel selected orders Open the online delivery page...

Meteosat image data available in McIDAS format.

Meteorological products are available in BUFR, GRIB, HDF5, netCDF, CAP, etc... depending on the product



Planned EUMETSAT Developments with McIDAS

A generic secondary ADDE server framework is being developed to support access to more EUMETSAT products using McIDAS.

The goal of the framework is to reduce the technical knowledge needed to develop secondary servers. “Known” data sets can be accessed simply through a configuration process with minimal or no programming required.

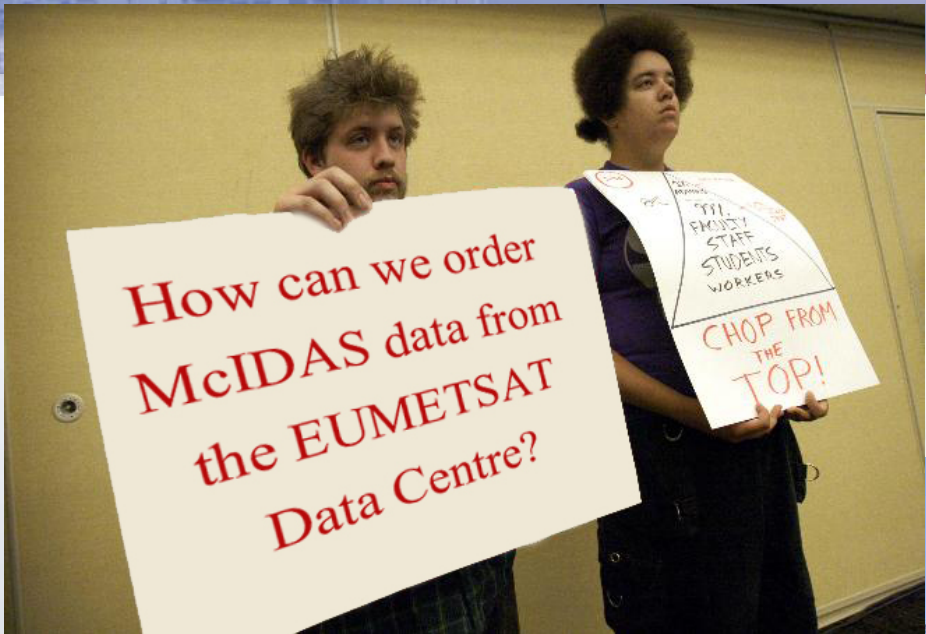
Initially the framework will support access to for EUMETSAT Polar System (Metop) products in the netCDF format with coordinate variables.

Expected availability in 2016.

Develop the EUMETSAT ADDE Service for use by the wider user community (currently, this is limited for EUMETSAT training courses).



EUMETSAT User Service Helpdesk: first point of contract for all enquires. Email: ops@eumetsat.int



End of Presentation



Thank you for your Attention, questions ?

EUMETSAT URLs:

<http://www.eumetsat.int>

<http://eoportal.eumetsat.int>

<http://navigator.eumetsat.int>

<http://adde.eumetsat.int>