

EUMETView and MTG-FCI

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Overview of Data Services

The new portfolio

EUMETView Introduction

MTG-FCI Visualizations

Conclusions



Overview of Data Services Portfolio

www.eumetsat.int

New data services



Viewing your data...

EUMETView

<https://view.eumetsat.int/>



Improving data access...

EUMETSAT Data store

<https://data.eumetsat.int/>



Customising your data...

Data Tailor

PULL SERVICES

PUSH SERVICES



Near-real time data delivery via terrestrial networks.

EUMETCast Terrestrial

SHARED SERVICES



Hosted data processing...

European Weather Cloud

Existing services



EUMETCast Satellite



Data Centre



WEkEO



WIS



Direct Dissem.



EUMETView is an Online Map Service that provides visualisations of EUMETSAT products through a customisable web user interface and an enhanced set of Open Geospatial Consortium (OGC) standard APIs. EUMETView makes it possible to create and save maps using the user interface, or integrates with user's personal service, via the API.

EUMETView Web User Interface

OGC API interfaces

Web mapping service (WMS)

Web coverage service (WCS)

Web feature service (WFS)

Planned Integrations



Data Tailor generates GeoTIFF of EUMETView products



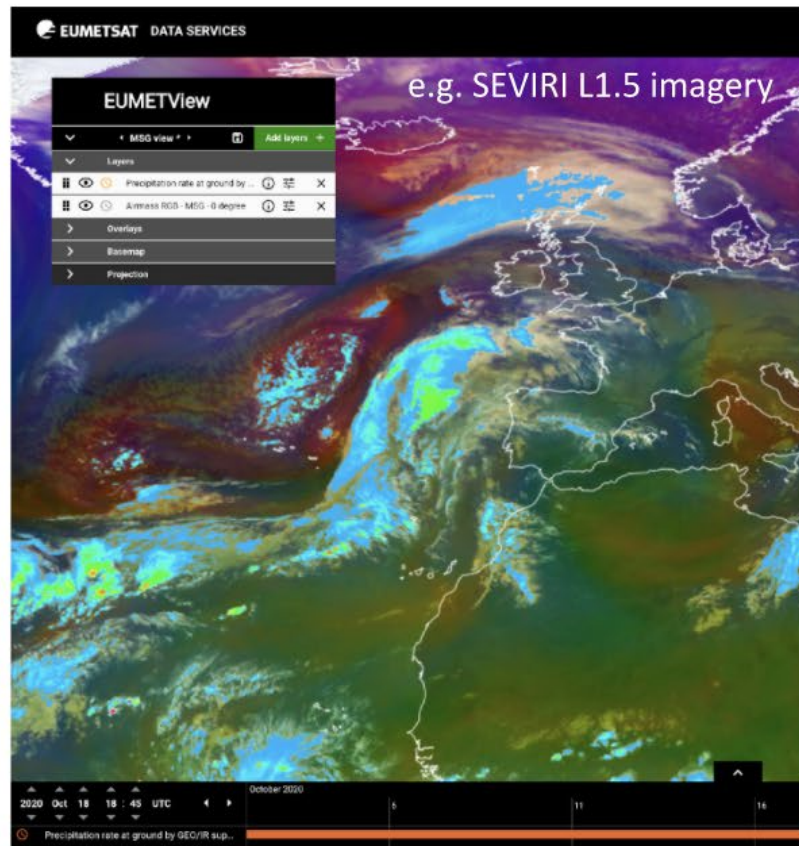
Data Store previews EUMETView visualisations



Service available at: <https://view.eumetsat.int>

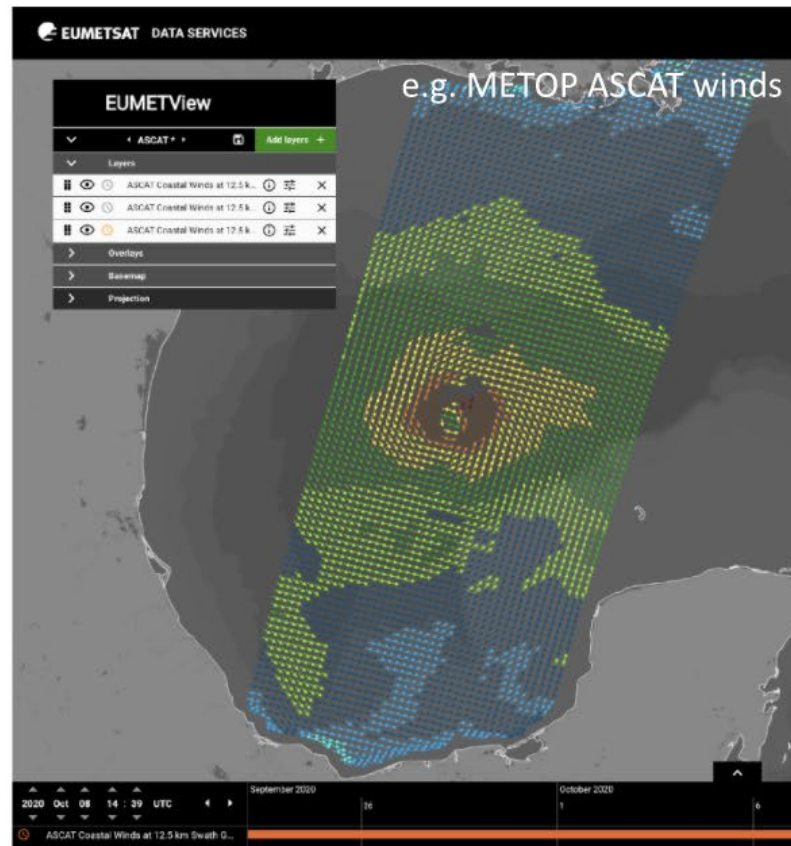


The Web Map Service (WMS)



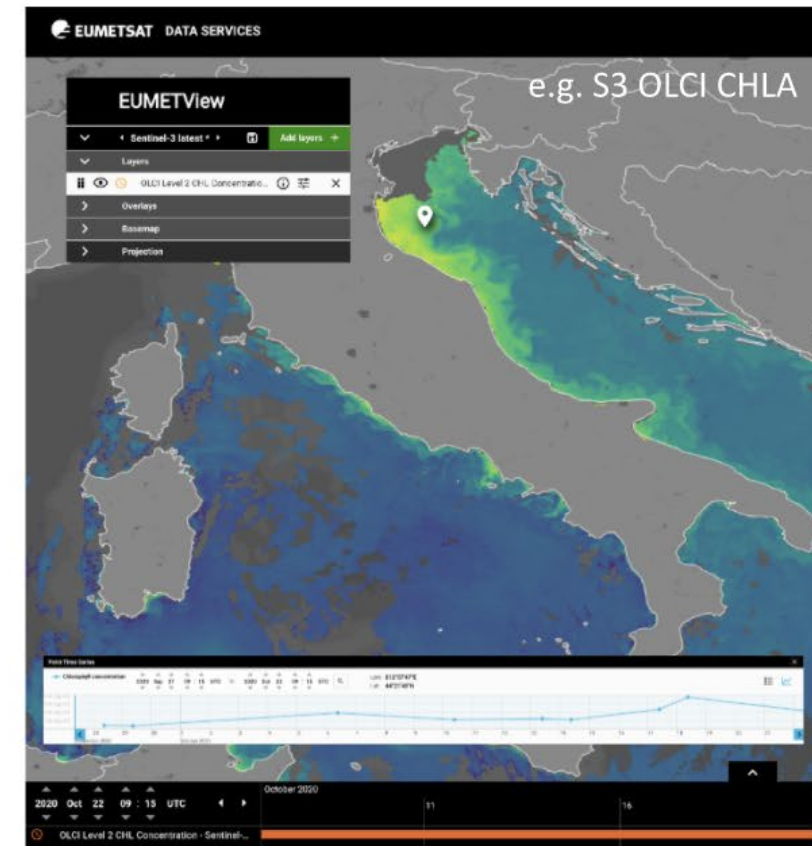
Mapped imagery and derived channels products

The Web Feature Service (WFS)



Vector data products, e.g. winds, and underlying features.

The Web Coverage Service (WCS)



Product coverage (pixel values) and times series analysis.

*Automated access
to the imagery
and data*

WMS, WFS and WCS
(OGC API)

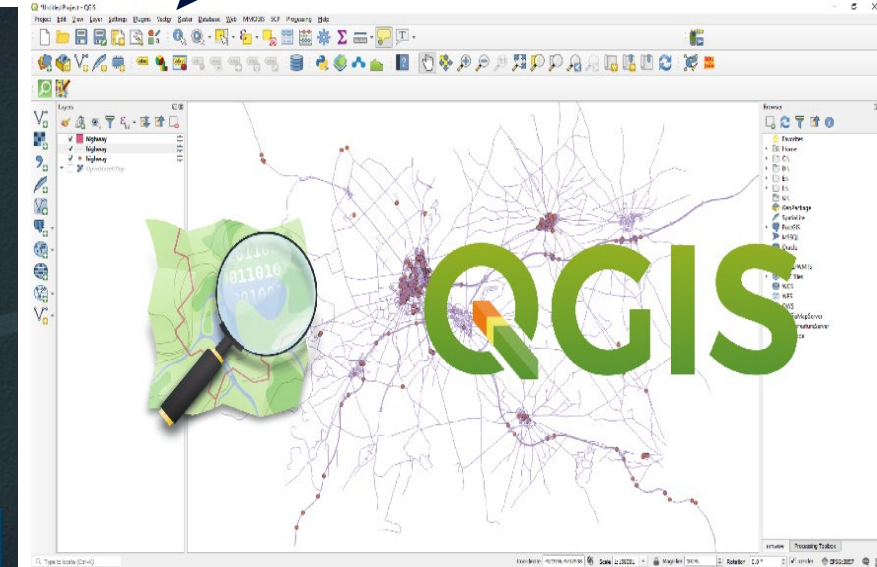
*Possibility for
further customized
downstream
use*



Web Pages
(Javascript+HTML)



Python Scripts



Desktop GIS
Applications

EUMETView

Unsaved session * Add layers

Layers

Precipitation rate at ground by ...

Opacity 100 %



ASCAT Coastal Winds at 12.5 k...

SLSTR Level 2 SST Daily Accu...

OLCI Level 1B RGB - Sentinel-3A

Overlays

Basemap

Projection

Point Information

Lon: 049°37'14"E

Lat: 21°42'12"S

ASCAT Coastal Winds at 12.5 km Swath Grid - ...

Acquisition timestamp: 2021-09-22 04:36

Direction: 223 °

Speed: 6.43 m/s

Backscatter coefficient: 0.50



SLSTR Level 2 SST Daily Accumulated - Senti...

Acquisition timestamp: 2021-09-22 05:37

Sea Surface Temperature: 24.56 °C



200 km







Search / Browse



×

Search something like “MSG” or “Airmass”



Satellite

Themes



Search / Satellite

> MSG - 0 Degree

> MSG - IODC

> MSG - RSS

> Metop A

> Metop B

> Metop C

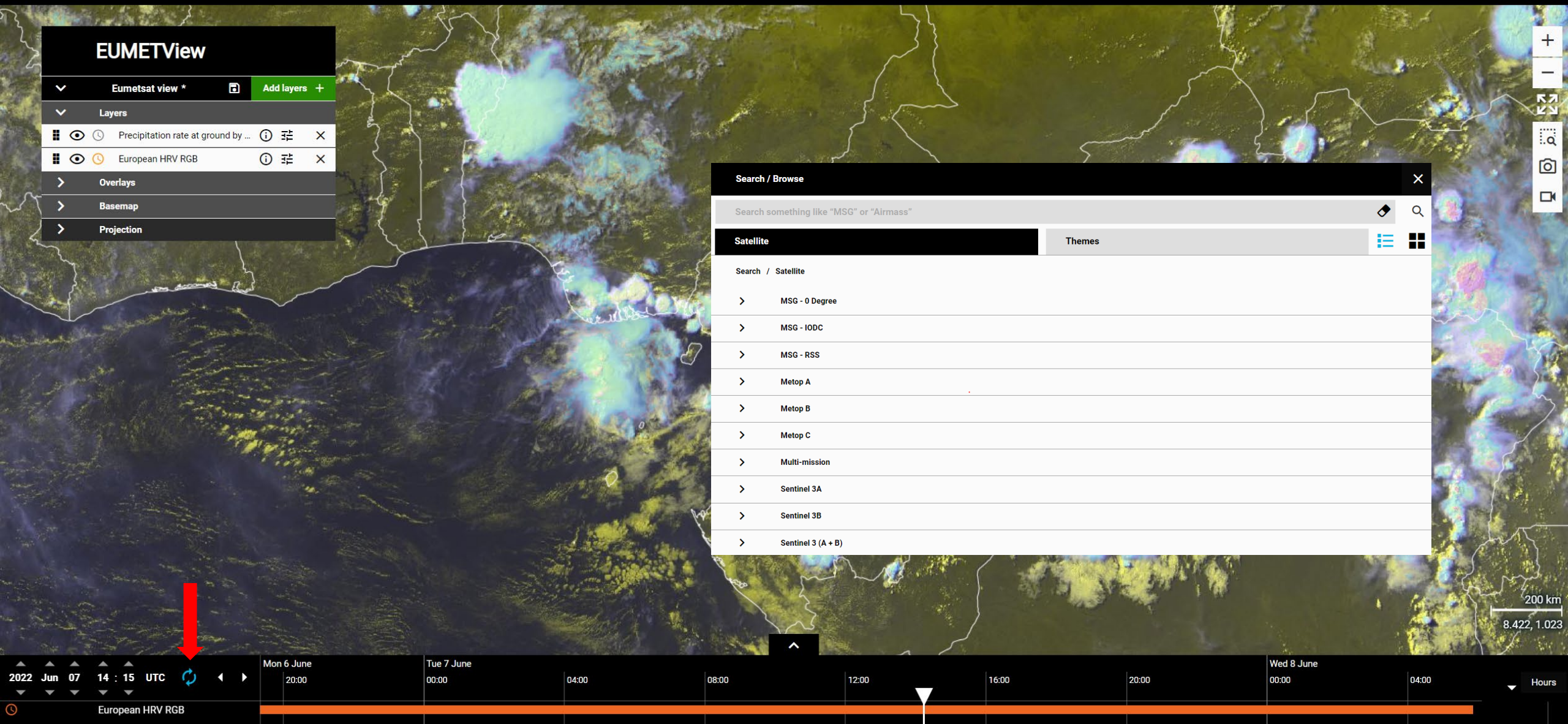
> Multi-mission

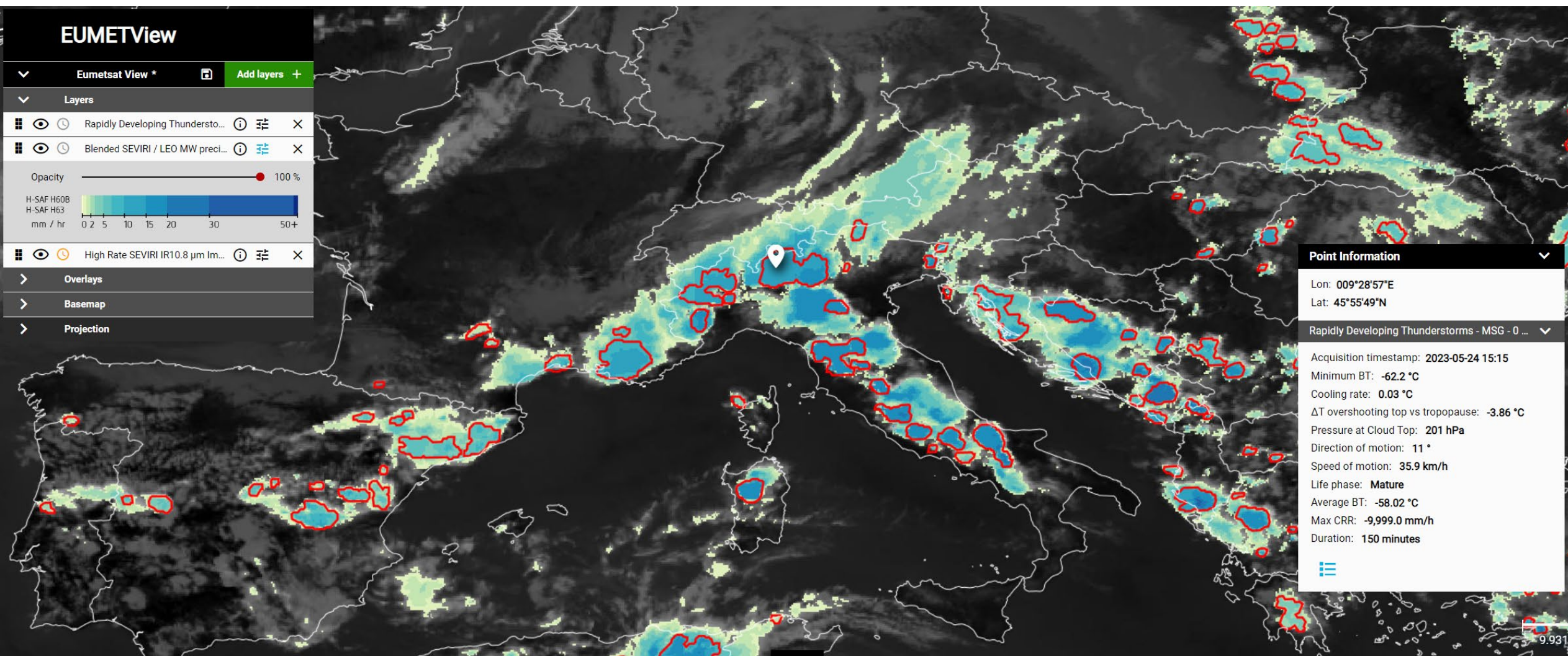
> Sentinel 3A

> Sentinel 3B

> Sentinel 3 (A + B)

The current EUMETview catalogue





- Initially some of the FCI Level 1c data and visualizations are planned to be included in EUMETView
 - Single channel imagery (VIS, IR, WV)
 - Some fundamental RGBs (True Colour, Airmass, Cloud Type)
- By the end of the commissioning phase, the number of collections will be expanded

- EUMETView is gearing up to host MTG-FCI visualisations
- A number data access mechanisms exist for having MTG data
- For near-real time operational access with shortest possible timeliness: EUMETCast
- For other near-real time online access: EUMETView, Data Store, Data Tailor
- For any questions, please contact EUMETSAT Helpdesk (ops@eumetsat.int)



Thank you!

Questions are welcome.