#### Welcome to the CM SAF Short Course on CLAAS

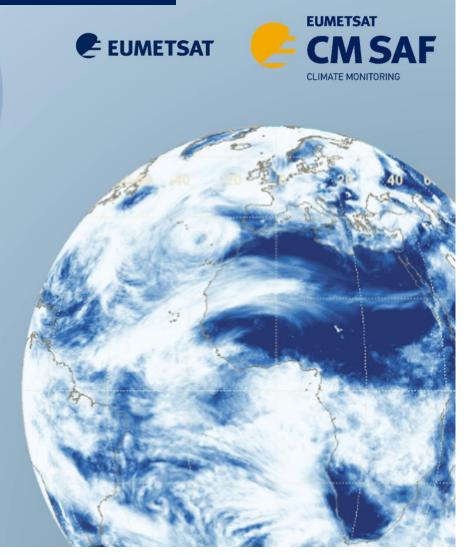
www.eumetsat.int

#### The session will start at 12 UTC

CLAAS – A Climate Data Record of Cloud Properties

If you have **technical issues**, please send a message in the **zoom chat** box to **Support**.

For **Q&A**: go to Slido.com – event code: **#EUMSC36** 



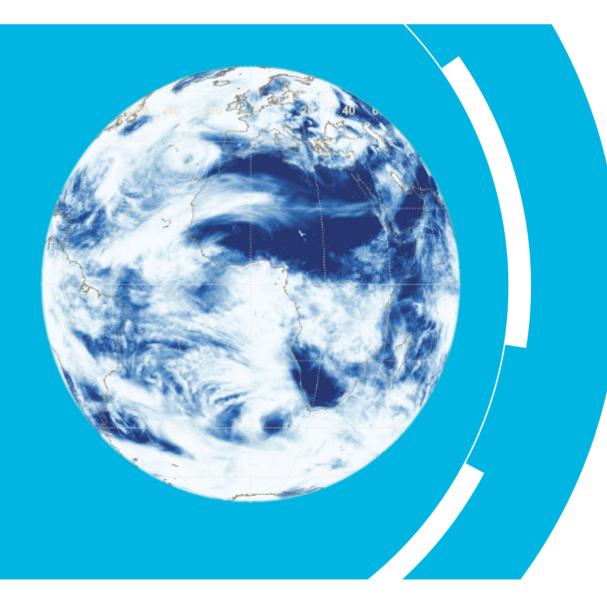
For technical issues: Use the zoom chat

For **Q&A**: go to **Slido.com** – event code: **#EUMSC36** 

All material will be shared after the course on course page:

https://training.eumetsat.int/course/view.php?id=473





Welcome and Introduction (Christine Träger-Chatterjee, EUMETSAT)

The new CLAAS data record
(Jan Fokke Meirink, CM SAF/KNMI)
Q&A

Ordering Data from CM SAF (Steffen Kothe, CM SAF/DWD) Q&A

Using the data – CM SAF R Toolbox (Steffen Kothe, CM SAF/DWD)

Q&A

Using the data – Jupyter Notebooks (Irina Solodovnik, CM SAF/DWD; Antonio Vecoli, EUMETSAT/MEEO) Q&A

Wrap up and closing (14:00 UTC)

#### EUMETSAT is an intergovernmental Organization

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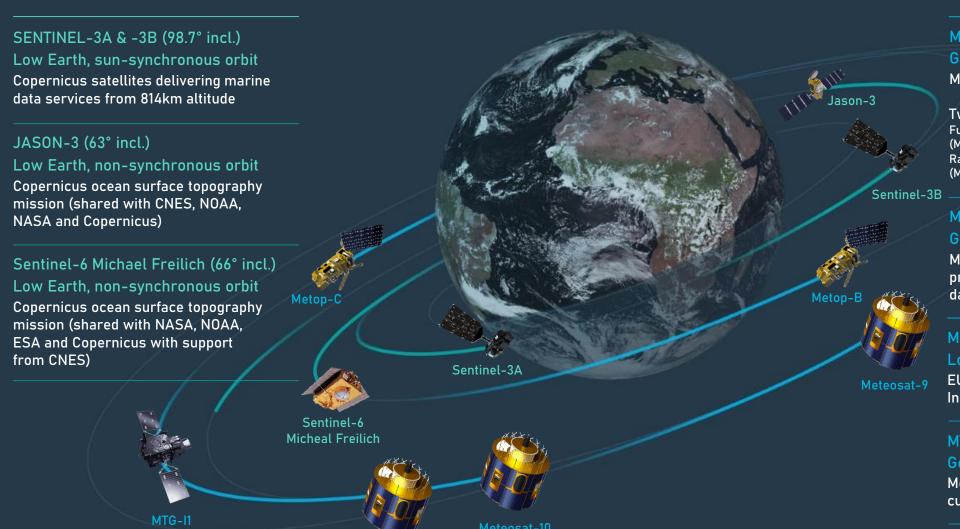
#### **Tasks**

- Develop, maintain, exploit European systems of meteorological satellites, taking into account as far as possible the recommendations of WMO.
- Contribute to operational climate monitoring and the detection of global climatic changes.



#### **Current EUMETSAT satellites**

www.eumetsat.int



#### METEOSAT-10, -11 Geostationary orbit

Meteosat Second Generation

Two-satellite system
Full disc imagery mission (15 mins)
(Meteosat-11 (0°))
Rapid scan service over Europe (5 mins)
(Meteosat-10 (9.5° E))

#### METEOSAT-9 (45.5° E) Geostationary orbit

Meteosat Second Generation providing Indian Ocean data coverage

## METOP-B & -C (98.7° incl.) Low Earth, sun-synchronous orbit

EUMETSAT Polar System (EPS)/ Initial Joint Polar System

#### MTG-I1 Geostationary orbit

Meteosat Third Generation imaging mission, currently in commissioning phase

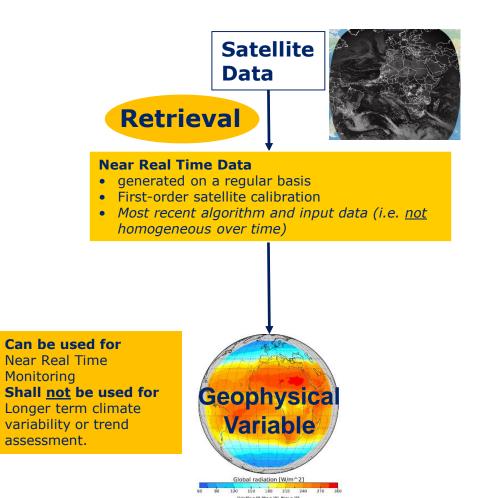
#### Satellite Application Facilities

www.eumetsat.int

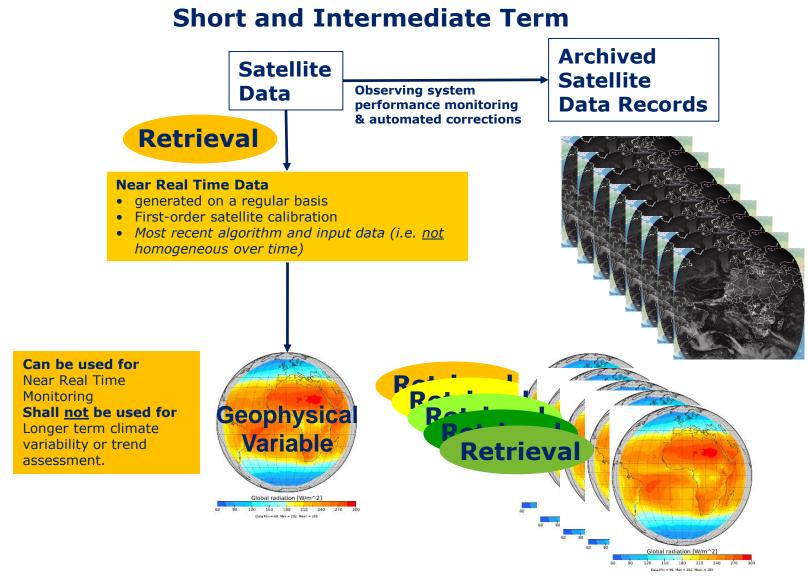
- EUMETSAT has a network of different Satellite Application Facilities (SAFs)
- SAFs are dedicated centres of excellence for processing satellite data
  - research, development and operational activities
  - each SAF focusses on specific user communities or application areas



 Each SAF is a consortium of entities from EUMETSAT member states









Geostationary

1970

1980

Meteosat-2

1990

Meteosat-5

2000

2010

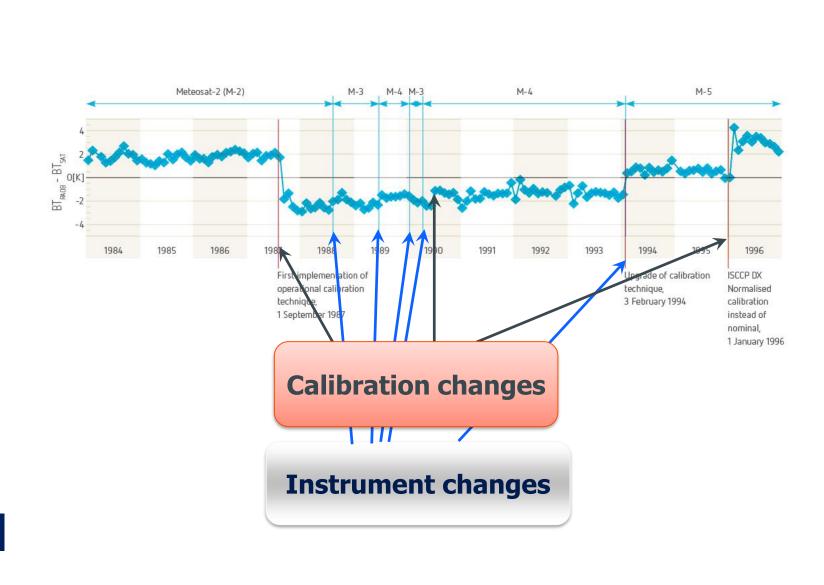
2020

il 2023

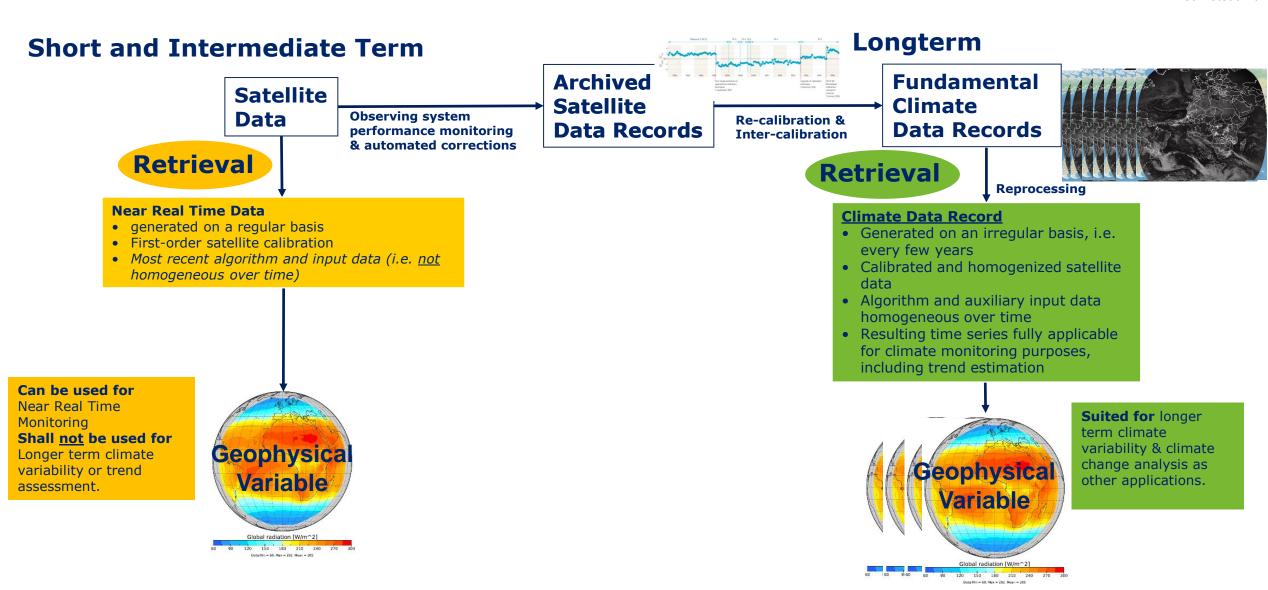
Polar

## Space based Climate Monitoring - Challenges

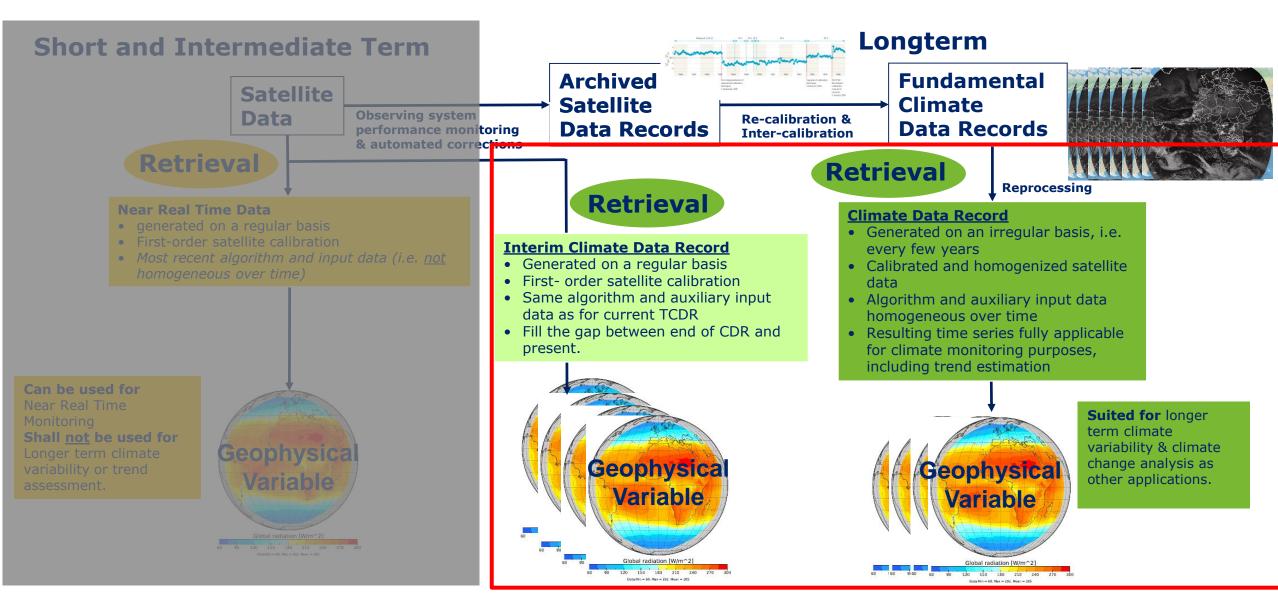
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EUM/USC/VWG/23/









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CM SAF Short Course on CLAAS – A Climate Data Record of Cloud Properties





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# Please give us your feedback: slido.com #EUMSC36 (poll)

Check out <u>training.eumetsat.int</u> for more in-depth courses



#### **Upcoming Short Courses**

www.eumetsat.int

```
Dust monitoring and forecasting: 2023 events | Register
• 02 May 2023
                12:00 UTC
• 17 May 2023
                13:30 UTC
                                 Customise sentinel-3 products with EUMETSAT's Data Tailor - Data Access Services | Register
• 24 May 2023
                12:00 UTC
                                 A new Climate Data Record on Surface Solar Radiation
                                 Discovering MTG-I1 test data using the SIFT visualisation tool | Register
• 31 May 2023
                12:00 UTC
• 07 June 2023 12:00 UTC
                                 How to develop impactful and educational Jupyter notebooks? | Register
• 12 July 2023
                12:00 UTC
                                 Wildfire Monitoring with Next-Generation Satellites | Register

    20 Sept 2023

                12:00 UTC
                                 A new Climate Data Record on Earth Radiation Budget
```

https://training.eumetsat.int/

→ Events → Short Courses