



EUMETSAT products and tools for users in Africa.

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Lead Marine Applications Expert

*Ocean Observation and Prediction for Coastal
Sustainability in Africa, 5th March 2024*





The European Organisation for the Exploitation of Meteorological Satellites

- Located in Darmstadt, Germany
- Founded in 1986, consists of 30 member states
- Two mandates:
 - Weather and Climate data for member states
 - Additional capabilities with EU and beyond:
 - Copernicus programme





EUMETSAT missions for marine – current and future

Mandatory Programmes

Optional Programmes

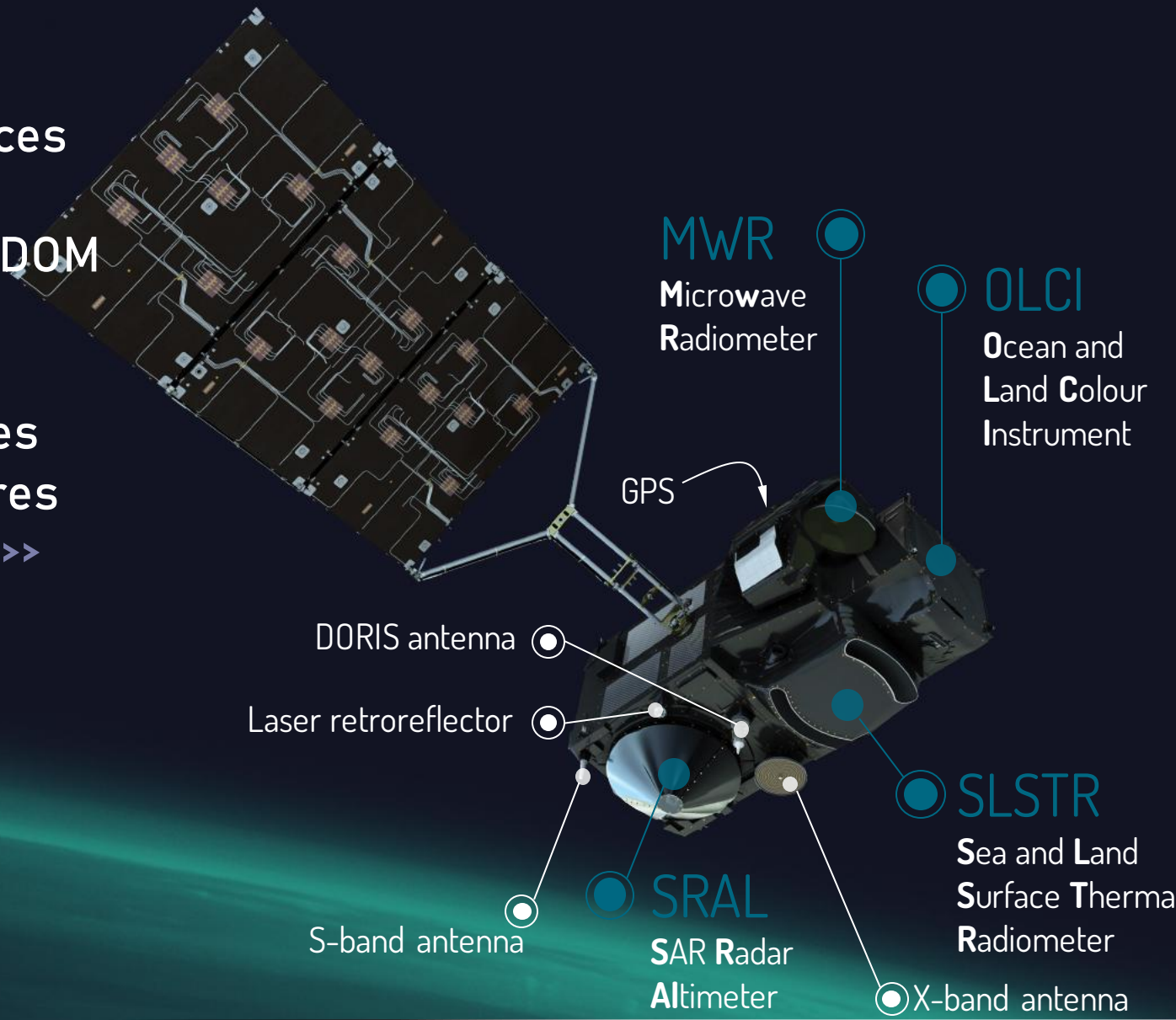
Copernicus Programme





Sentinel-3 instruments and variables

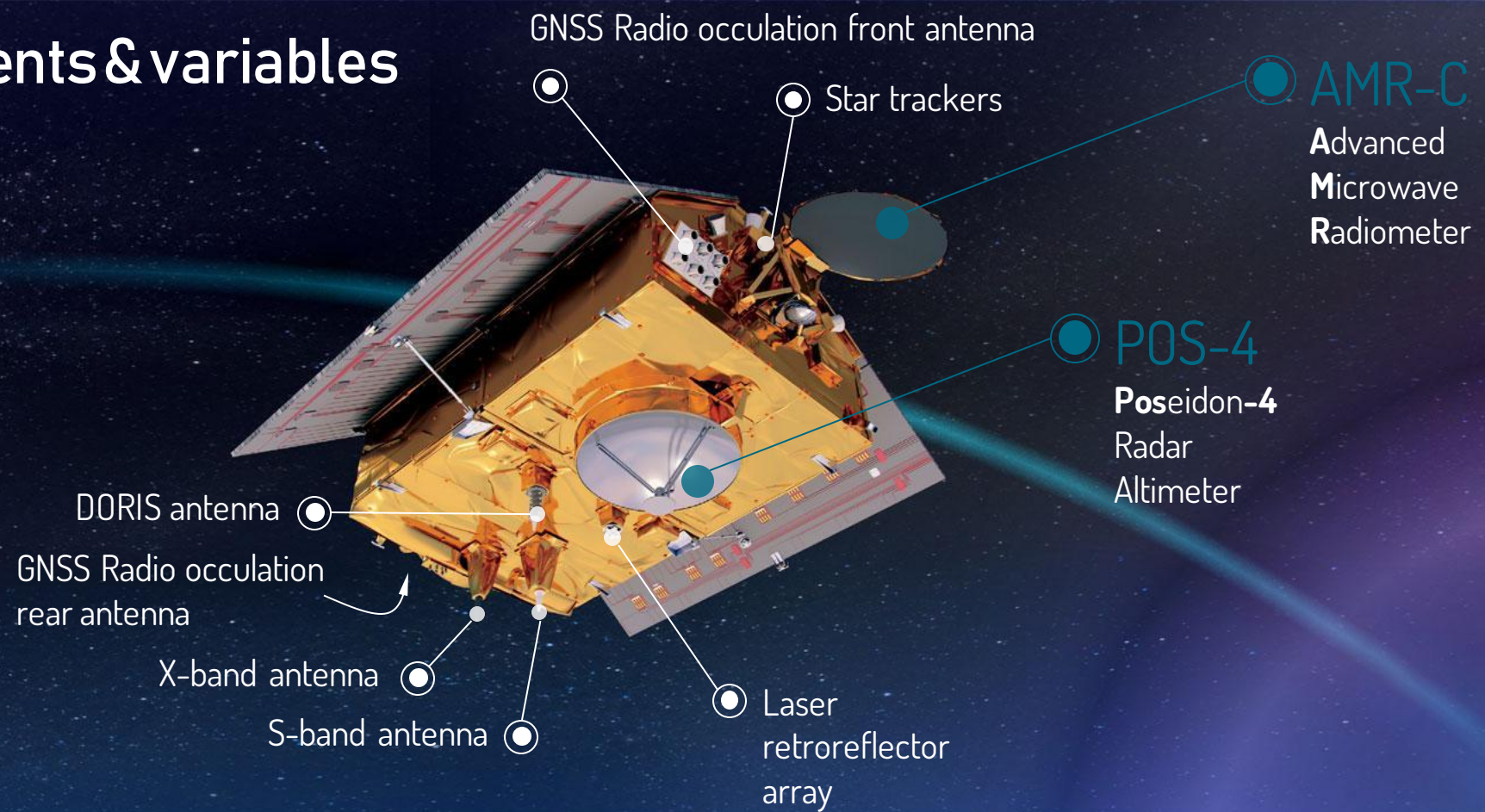
- **OLCI >> visible radiometry**
 - ocean colour: radiances & reflectances
 - 21 bands, 300m
 - chlorophyll, suspended sediment, CDOM
 - PAR / kd490
- **SLSTR >> thermal radiometry**
 - radiances & brightness temperatures
 - Sea and sea-ice surface temperatures
- **SRAL / MWR / POD (DORIS/GNSS/LRR) >> surface topography mission**
 - Sea surface height
 - Significant wave height
 - Wind speed

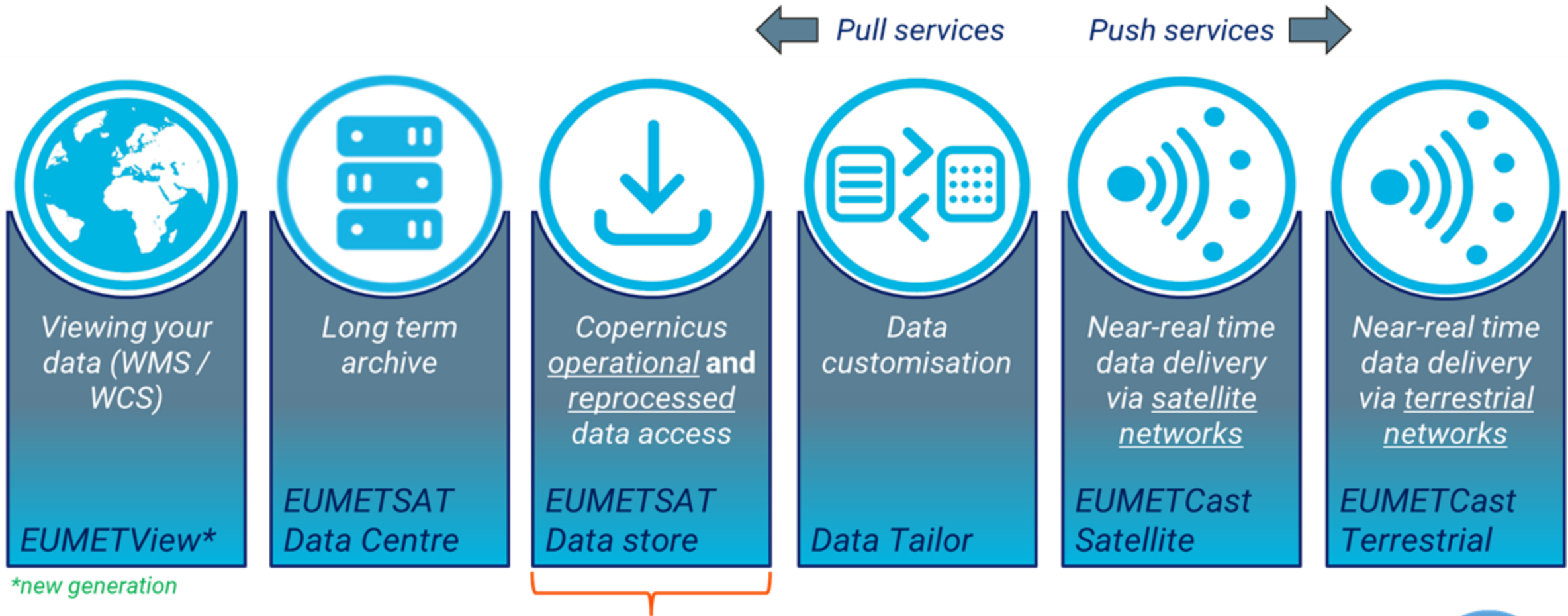




Sentinel-6 instruments & variables

- **The altimetry reference mission**
 - Back compatible (climate continuity)
 - state-of-the-art (open burst transmission, low noise, improved resolution)
- **POS-4 / AMR-C / POD (DORIS/GNSS/LRR)**
 - Sea surface height
 - Significant wave height
 - Wind speed





Data Store has replaced the CODA and CODAREP services used by many Sentinel-3 users, offering unified access to operational and reprocessed data. It will allow access long time-series of the most up to data products, via a single point without the use of Data Centre in most cases (including to WEkEO).





Operational, near-real-time through to climate quality data to support a broad range of marine applications...



Marine User Support and Training Resources

copernicus.eumetsat.int

EUMETSAT Helpdesk

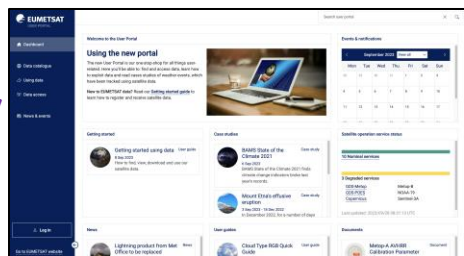
OPS@eumetsat.int

Contact the EUMETSAT helpdesk with any questions about EUMETSAT data products or services

Courses

User portal (first release available!)

Copernicus & mandatory missions
Data access



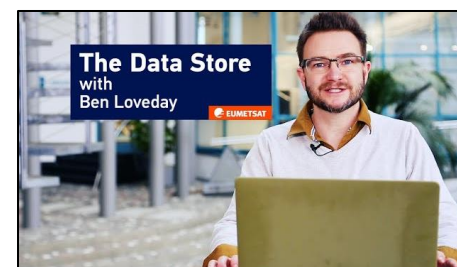
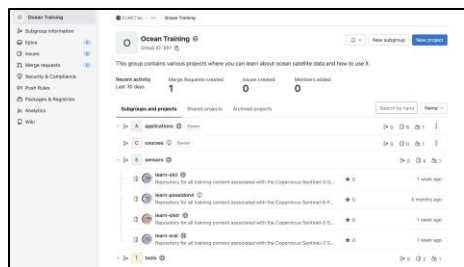
EUMETSAT User Support Resources

Video tutorials

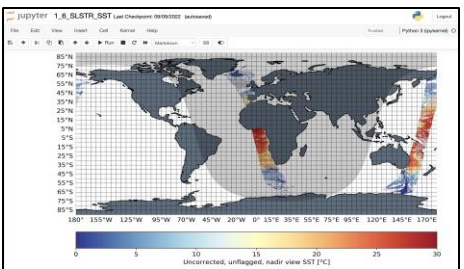
Code distribution



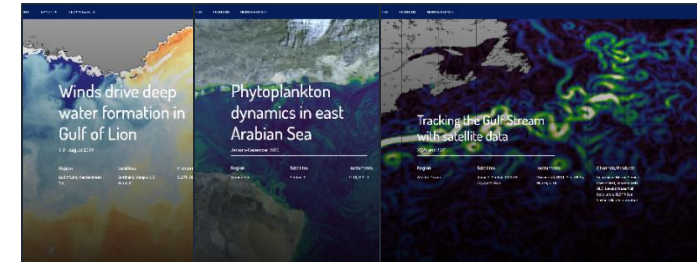
GitLab



Jupyter Notebooks



Case studies





Thank you!
Questions are welcome.