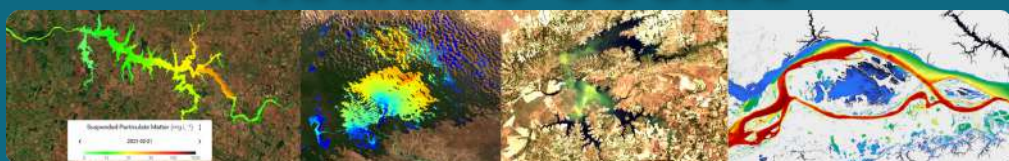


TRAINING COURSE



Developing the use of SENTINEL Satellite Constellation for Monitoring of Inland Water Quality

Toulouse, 5-9 June 2023
OMP - Observatoire Midi-Pyrénées

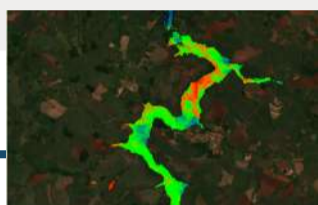
Goal

To disseminate the use of **Sentinel-2** and **Sentinel-3** images for **inland** water quality monitoring.

Target

Researchers
Professionals from stakeholders
(water agencies, etc...)
Post-graduate students

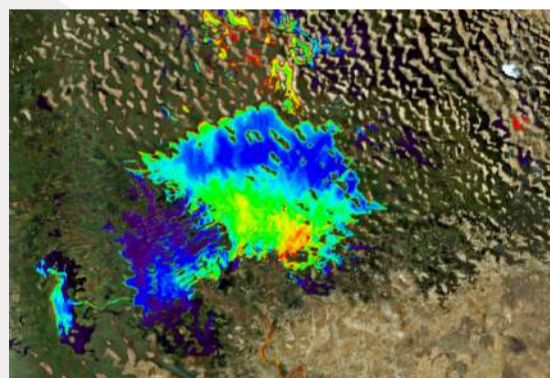
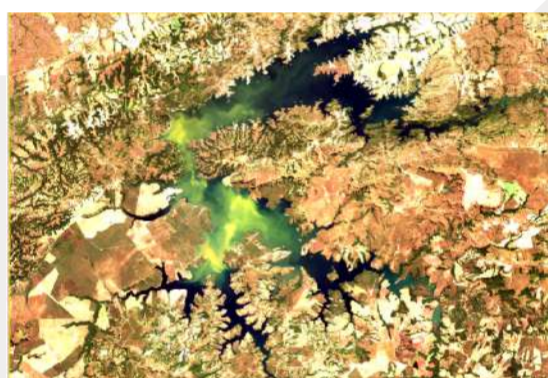
Discover



The remote sensing-based **products** recently available for water quality monitoring in lakes, reservoirs and rivers.

Key topics

- Water quality monitoring
- Water optical properties
- Image processing for inland waters
- Retrieval algorithms
- Time series analysis



Day 1

- Conventional **water quality (WQ)** surveys
- **Copernicus Programme / Sentinel** constellation
- Inland water optical properties

Day 2

- Satellite image **processing** steps for WQ mapping
- **Hands-on** with Sentinel-2 images

Day 3

- **Hands-on** with Sentinel-2 images
- **Field radiometric** measurements: hands-on & data processing

Day 4

- Retrieval models
- Applications for WQ monitoring
- Hydroweb-Next database
- GEE tools

Day 5

- **Hands-on** with Sentinel-3 and other low resolution satellite images
- **Wrap up**

Places limited and possibility of **funding** travel costs.

There are no strict pre-requisites, but programming language and/or remote sensing knowledge are beneficial.

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