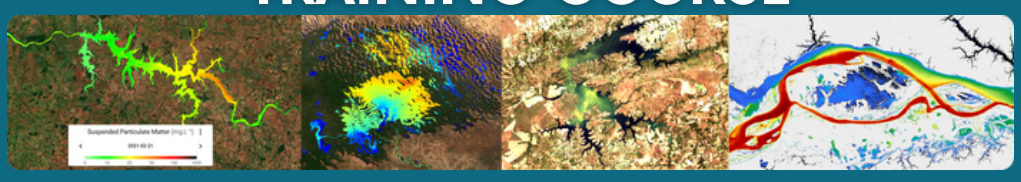
TRAINING COURSE



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

Toulouse, 3-7 October 2022
OMP - Observatoire Midi-Pyrénées

Goal

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

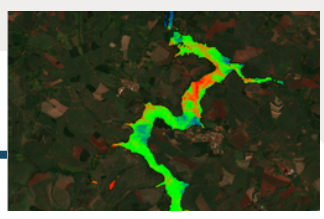
For Who?

Researchers

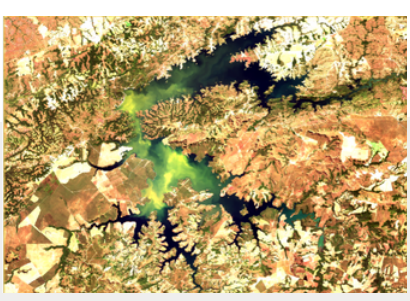
Professionals from stakeholders (water agencies, etc...)

Post-graduate students

Discover

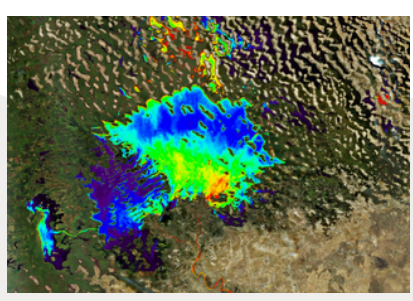


The remote sensing-based **products** recently available for water quality monitoring in lakes, reservoirs and rivers.



We will

Provide the **technical** information and knowledge about the satellite images and **processing** routines (atmospheric correction, water detection,algorithms, etc...)



Schedule

Day 1

Introduce the benefits of the **Copernicus Programme** for the water cycle monitoring and present the **Sentinel** satellite constellation program.

Day 2

Present operational use of remote sensing images to tackle different **needs** for water monitoring and management.

Day 3

Inland water **optical properties** and the water **colour techniques** allowing to retrieve water quality parameters from satellite images.

Day 4

Field radiometric measurements for water quality assessment: hands-on & data processing.

Day 5

Sentinel-2 **data processing** and remote sensing-based water quality **map analyses.**

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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Contact: watercolor2022@listes.ird.fr