Galaxy Europe
An IT infrastructure for FAIR data analysis

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Galaxy EUROPE
https://usegalaxy.eu

Galaxy for SCIENTISTS	Galaxy for TRAINERS	Galaxy for TOOL AUTHORS	Galaxy for DEVELOPERS	Galaxy for ADMINS

ELIXIR-recommended infrastructure emphasizing on interoperability and **FAIR** data analysis.

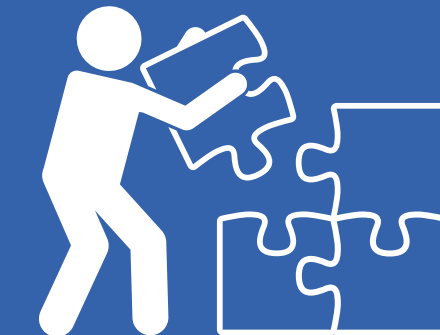**Findable Accessible Interoperable Reusable**

- **web free access**
- **90,000+** users
- **3,000 tools** for data access and processing
- **Visual UI to design analytical workflows**
- **High performance computing 250 GB+ per user**

Galaxy Europe contribution to EOSC

Web of FAIR data

Galaxy workflows, analyses, and histories are fully reusable and easily shareable, ensuring reproducibility and collaboration across research projects.

Skills & Trainings

- **> 400** tutorials cover FAIR data principles, tool and workflow usage, and platform navigation.

- Training Infrastructure as a Service (**TIaaS**) supported **17,000** participants to date.

Scientific & Societal benefits

- Easily accessible and usable, Galaxy doesn't require any programming skills

- Galaxy provides access to JupyterLab or RStudio for integrated data analysis and visualization.

eosc

EOSC contribution to Galaxy Europe

eosc | FAIR-EASE

An interdomain digital architecture for the integrated use of environmental data

eosc | AquaINFRA

A research data infrastructure for marine and inland waters
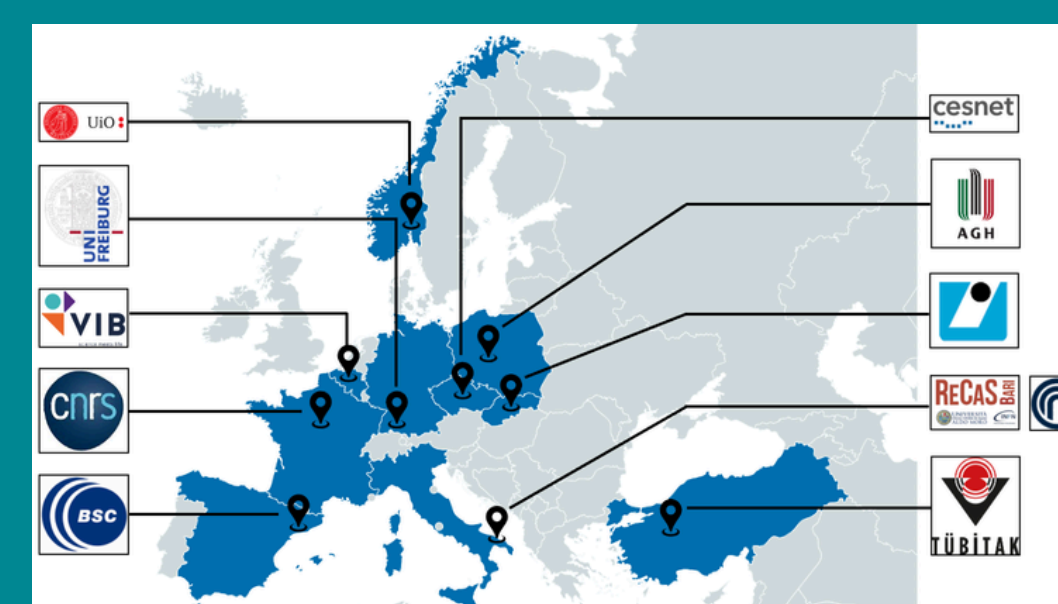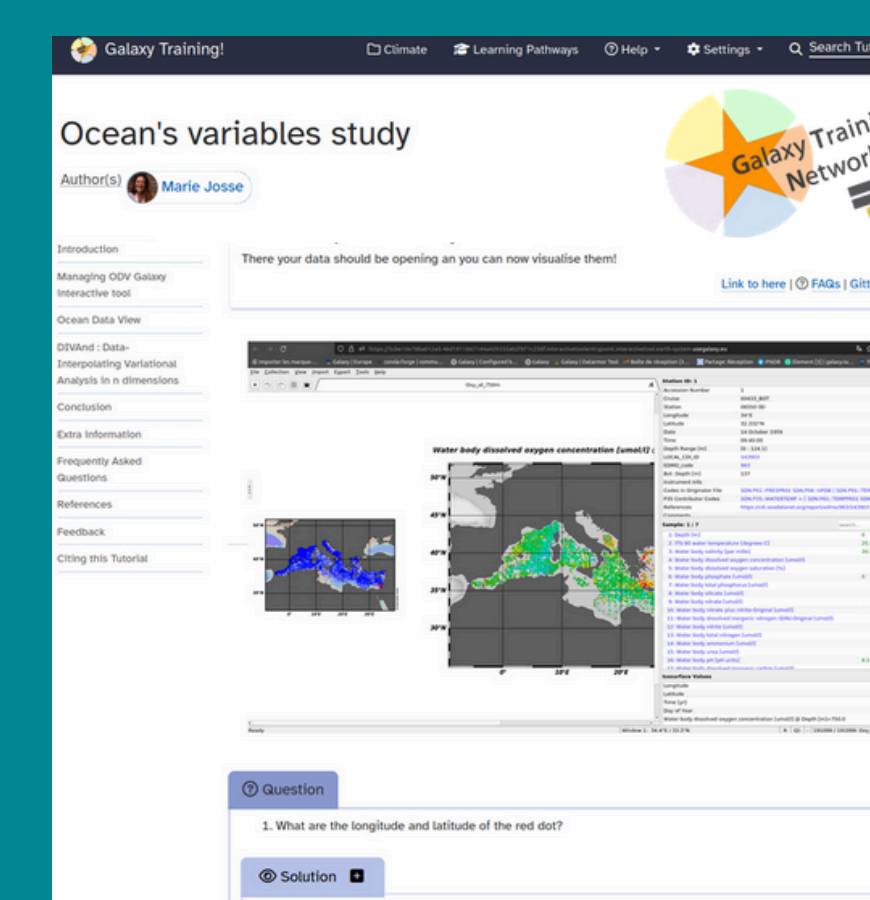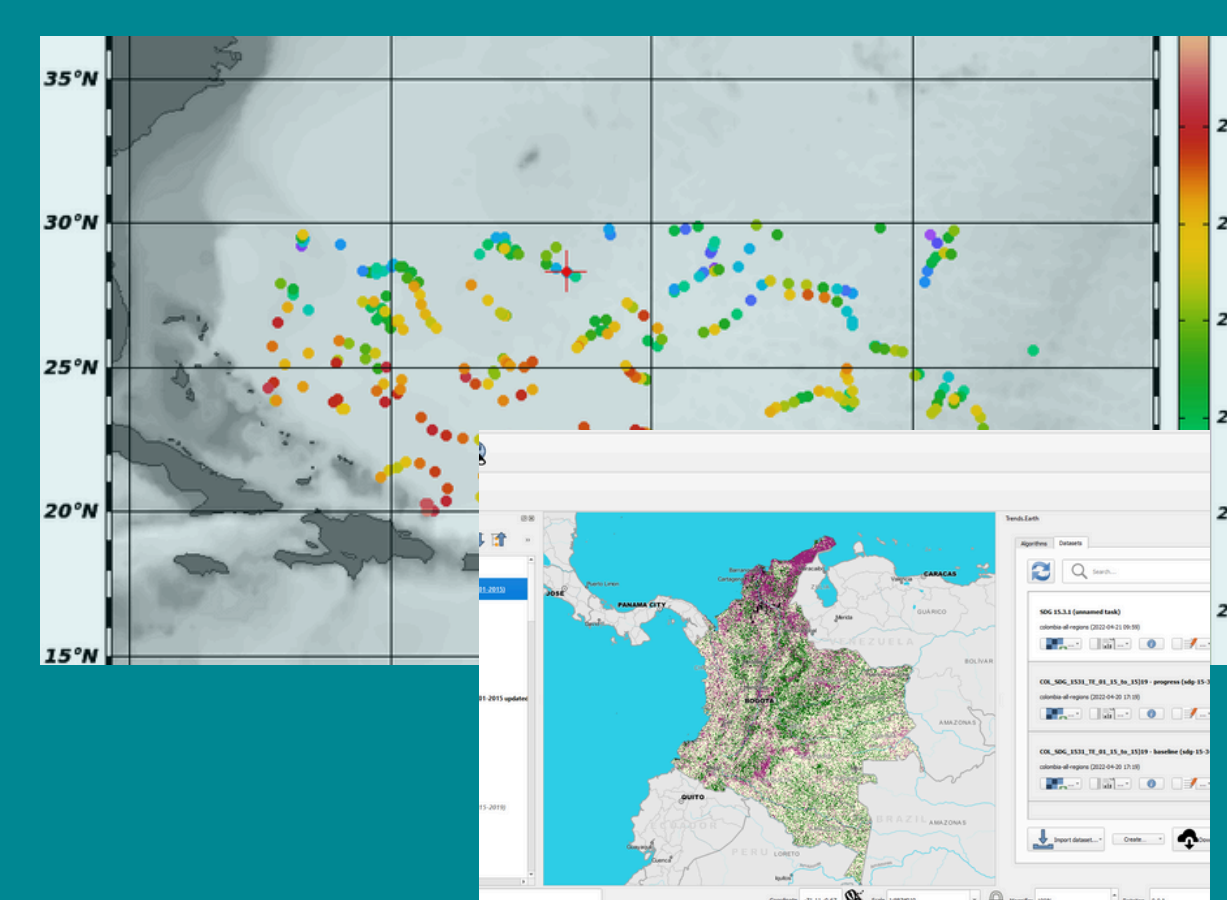
eosc | EuroScienceGateway

Robust open infrastructure for data-driven research

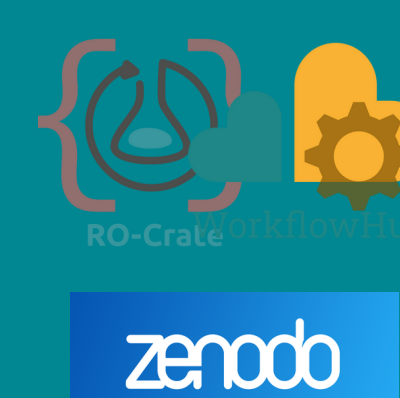**Support marine, fresh water, soil, land and volcano communities**

Thematic
- **Tools**
- **Satellite and in-situ data**
- **Workflows**
- **Tutorials**

Ocean's variables study

8 compute local nodes for efficient access and process

- **Integrate standards**
- **Gateways to popular registries**

zenodo

Where to start ??

IGB

52n

DATA TERRA

Ifremer