

The ODATIS ocean data and services cluster is a component of the **Data Terra Research Infrastructure**, alongside 3 other clusters : **AERIS** for the Atmosphere, **FORM@TER** for the Solid Earth and **THEIA** for Land Surfaces.

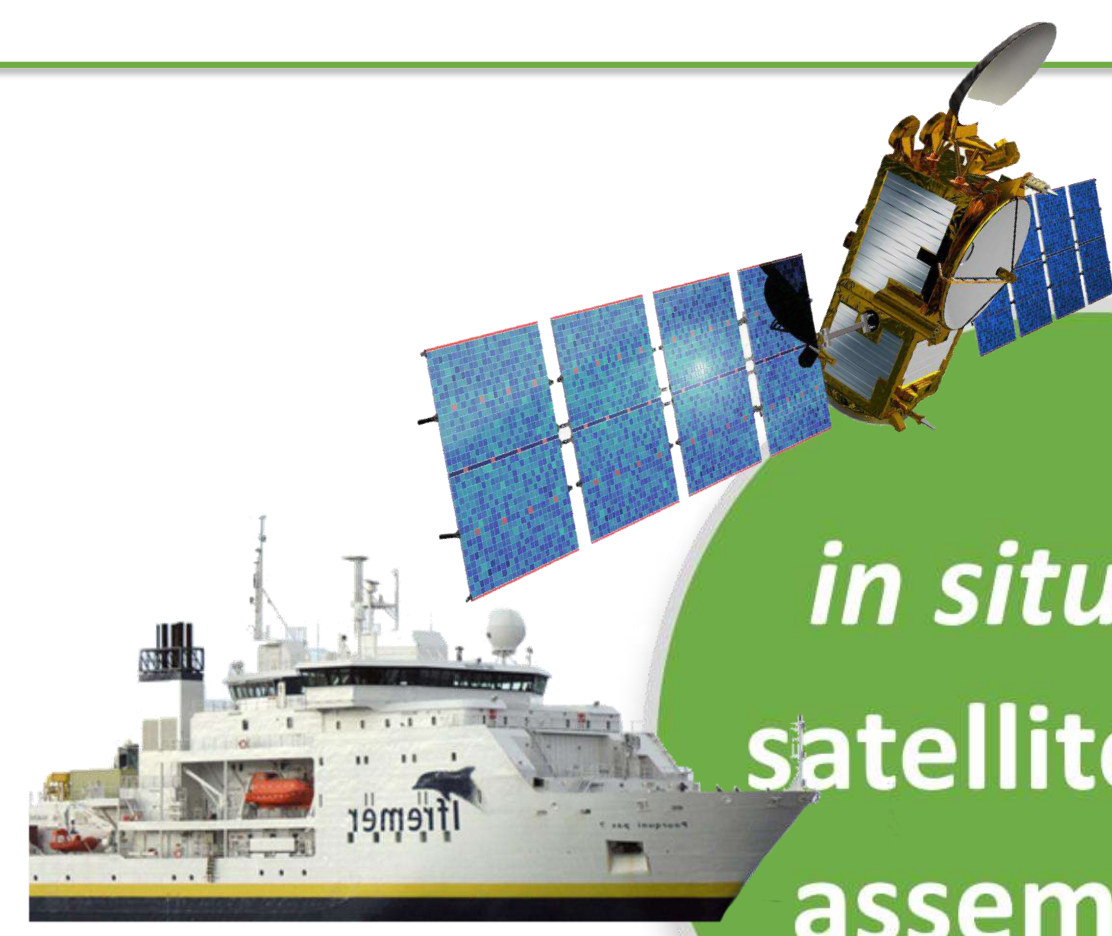
The main task of the ODATIS Ocean Cluster is to facilitate/promote the discovery and use of data, to develop derived products, to make available software, tools and services.

ODATIS is based on a network of distributed **9 Data and Services Centres** operated by french research organizations: CNRS, CNES, Ifremer, IRD, Shom, Marine Universities.

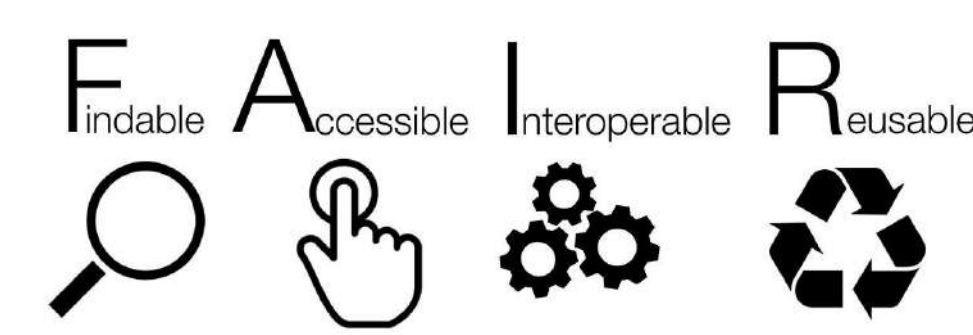
The Data and Service Centres offer the guarantee of services on data management : record data, process data, control data quality, and provide routine access to marine data.



**AVISO+** (operated by CNES) and **CERSAT** (operated by Ifremer) are the 2 Data and Service Centres dedicated to **satellite data**, particularly altimetry data.



*in situ* and  
satellite data  
assembling



Analyze and process large volumes of data remotely (HPC),

access to Virtual Research Environments (VRE). Technical workshops offer hands-on experience with several data manipulation, processing and visualization software.



The Data and Services Centers of the ODATIS Ocean cluster manage and provide multi-sensor datasets, over long homogeneous time series, by applying FAIR principles offering guaranteed data management services in terms of referencing, hosting, dissemination and interoperability



The ODATIS Ocean cluster relies on **Scientific Expertise Consortia** to promote and develop processing methods and innovative products for satellite, airborne and *in situ* observations of the ocean and its interfaces. These Consortia network and federate scientific and technical experts around a topic : pH/CO<sub>2</sub>, O<sub>2</sub>, Ocean color, flow cytometry...

The ODATIS **data and products catalog** provides access to 200 metadata sheets to access data sets provided by the national community and their links with international programs.

- search with selection filters,
- description of the data,
- visualization capable of overlaying several datasets,
- direct download or via the local partner portal

