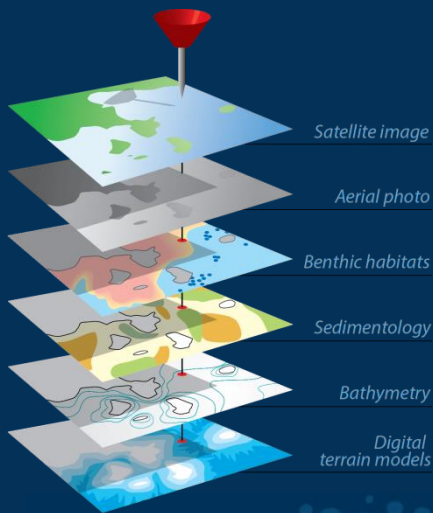


A multi-thematic infrastructure



Sextant is a support for marine studies and decision making in environmental issues such as biodiversity, marine renewable energy, integrated management of coastal areas, fishing, coastal and deep-sea environments, exploration and exploitation of the seabed.



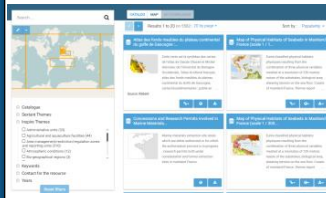
Sextant

A spatial data infrastructure

for marine environments

Sextant has been designed according to the European Inspire directive for interoperability and according to the Open Geospatial Consortium (OGC) and ISO TC 211 standards. Sextant allows standard exchange of spatial data and metadata.

The Metadata catalogue (Discovery)



A catalogue which conforms to OGC's CSW. Use of DOI for dataset publication

The Geoviewer (Visualization)



Data display via the OGC's WMS and WMTS protocols



The Basket Download



Data made available via the OGC's WFS and WCS protocols

An interoperable and modular infrastructure

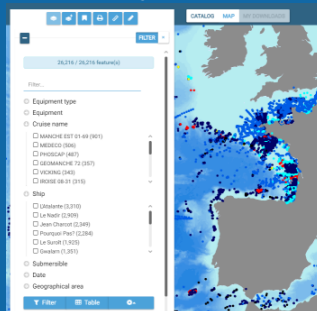
Standard

WFS SLD Filter-Encoding metadata CSW SOS WMTS OWS-Context WCS Opendap OGC WPS WMS ISO19139

Data analysis

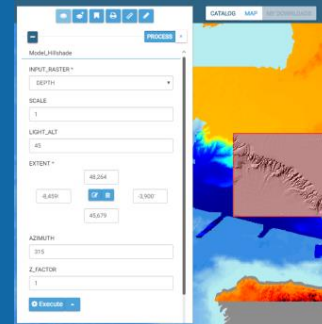
New functions are developed to improve the visualization, analyse and access to data

Filtering via WFS



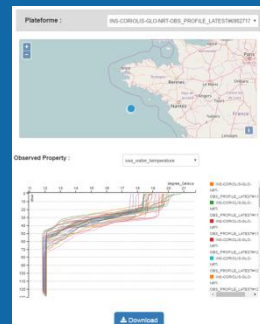
Example of filtering/faceting on geological and biological samples

Process via WPS



Example of Hillshade process on DEM

Data access via SOS



Example of Coriolis profile (Ongoing developments)