

EO4SIBS Expected results

Novel EO-based products and enhanced data sets dedicated to the Black Sea for:

- Ocean colour;
- Coastal altimetry;
- High resolution salinity;
- Sea state information.

New knowledge and methodology for an improved understanding of physical and biogeochemical processes, and in particular:

- Mesoscale circulation;
- Plume tracking and water masses identification ;
- Sea level and surface salinity dynamics and trends;
- Water productivity and optical properties

A **web-interface** facilitating access to the developed products and results exploiting advanced data access and visualization tools.

A **Scientific Roadmap** identifying science priorities and new development activities in the Black Sea for the next years.

Partners from: Belgium, France, Romania, Spain

Project timeframe : 24 months



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Project homepage:

www.eo4sibs.uliege.be/

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Earth Observation Data for Science and Innovation in the Black Sea



Ocean color Sentinel 2 data, Figure from Niculescu and Rusu, 2018

***Black Sea and Danube
Regional Initiative - Science***

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Consortium
Lead by:



Partners:



Jailoo.eu

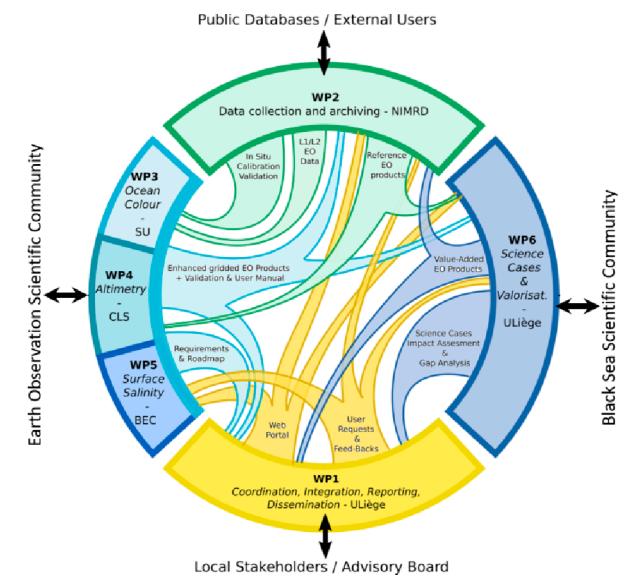


EO4SIBS overall objectives

- ✓ To collect **new data** to support the development of novel algorithms and to propose laboratory analyses of the highest quality
- ✓ To develop a **new generation of algorithms** that can ingest the wealth of spatial, temporal and spectral information provided by recent sensors providing high quality reference products for the blue and green ocean,
- ✓ To build novel **composite products** that integrate the satellite information with that from robotic platforms and numerical ocean models;
- ✓ To assess how the use of EO data **improves our knowledge of good environmental state (GES) and climate change** in the Black Sea
- ✓ To **disseminate** the developed tools and products to the regional and international scientific and end-user community through the setting of a web platform, the organization of dissemination events, the participation to conferences.



EO4SIBS workflow



EO4SIBS Main Stakeholders

- Scientific and end-users communities
- Regional Stakeholders
- European Commission
- Black Sea Commission
- Black Sea Economical Cooperation

