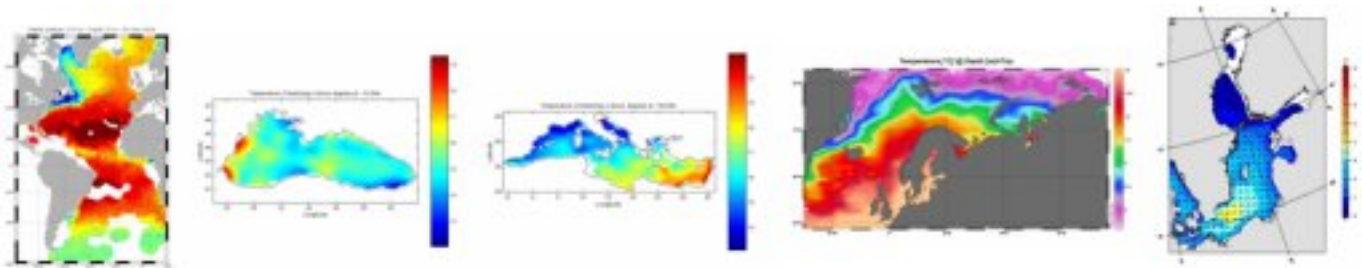


Data products services

The SeaDataNet products are designed to validate and synthesize multidisciplinary datasets relevant to the monitoring of the ocean state and health. Variables of major interest are the distribution of heat and salt concentrations, sea level, currents but also data related to living marine resources and ecosystems such as nutrients and oxygen.



The SeaDataNet regional products are under development. Already a number of regional products can be downloaded as NetCDF data files and explored by a viewer through a dedicated web interface.

- [Show preliminary regional products](#)

This interface offers products for the following regions:

- **Arctic regional products**
- **North Atlantic regional products**
- **Baltic regional products**
- **Mediterranean regional products**

In addition the following products are available:

- **Mediterranean regional products** [Satellite monthly SST climatologies](#)
- [Black Sea regional products](#)

SeaDataNet develops basic products that consist mainly of gridded fields of these environmental parameters to estimate their mean, seasonal variability and interannual trend. The analysed fields allow the intercomparison of the Quality Checks procedures implemented by the SeaDataNet data centres and the detection of remaining outliers. They allow also a wide range of uses for scientific teams such as model initialisation and the optimization of locations of new observations. At the same time, a number of these high level products directed to non specialists should be made available in order to:

- improve European capability to contribute to major international programmes such as CLIVAR and IMBER
- integrate the EuroGOOS platform, and by so serve research, national agencies and policy makers
- develop special links with targeted projects such as ICES or GMES-Marine Core service
- complement products of realtime/operational projects such as Argo/Coriolis, My-Ocean, MFS/MOON or Hadgoa.

These regional products are based on the distributed databases managed by the 40 SeaDataNet data centres. The algorithms used for the analyses take into account the specific environmental

conditions and needs in the different marine regions, in terms of priority parameters, spatial and temporal scales and existing procedures. Harmonizations issues between the different regional products are insured by cross checks made by performing the inverse variational model analysis via the reference .

DIVA graphical software
and international experts.

Also work is underway for further improving the product viewing services: users will be able to search data products from a catalogue and then view the products in maps as well as downloading the products. The catalogue and viewing services are being developed in compliance with INSPIRE and OGC standards, and in cooperation with My-Ocean.