



# AQUACULTURE WORKSHOPS



**SAVE THE DATE** | Oct. 20-21 2020  
10:00am - 1:00pm UTC +2

**UNDER INVITATION ONLY**

**Marine data to support aquaculture in the North Atlantic**  
A workshop by EATIP, Copernicus Marine Service and EMODnet

ONLINE VIRTUAL MEETING

#MarineData4Aqua



Copernicus  
Marine Service

**OCT 20-21 2020**

Marine Data to support aquaculture in the North Atlantic

**SAVE THE DATE** | Mar. 24-25 2021

**UNDER INVITATION ONLY**

**Marine data to support aquaculture in the Mediterranean and Black Seas**

#MarineData4Aqua



Copernicus  
Marine Service

**MAR 24-25 2021**

Marine Data to support aquaculture in the Mediterranean and Black Seas



# AQUACULTURE WORKSHOPS



## Marine Data to Support Aquaculture in the North Atlantic

*A virtual workshop by EATIP, Copernicus Marine  
and EMODnet*

October 20-21, 2020

More than 60 participants

- 37% the aquaculture industry and the policy/coastal managers sector
- 24% of aquaculture research
- 2% of participants from other areas, including data providers and consultancy agencies.

- Identification of the **specific data needs of the aquaculture sector in the region of the North Atlantic**, The input potential of the European Commission's Copernicus Marine and EMODnet services of marine monitoring and marine data initiatives. in addition to this the national authorities are providing their own data services for coastal waters as well.
- An industry initiated, **collaborative platform at a European level to encourage the aquaculture sector to share data** that are necessary for the management of datasets to support various aquaculture activities. These, among others, can be (a) the application process for aquaculture licenses, (b) the development of the aquaculture sector with an ecosystem management approach and (c) the implementation of evidence-based management and governance in marine aquaculture. This platform would be focused at the aquaculture sector but its data and best practice examples would also benefit other stakeholders, including marine and agriculture organisations.
- **Reluctance of industry to share data.** Reasons include commercial concerns of data being available to competitors, a lack of trust or, especially for small businesses or fish farms, the time-consuming and labour-intensive administration and data upload processes involved. This is happening in spite of some rare good examples of data coordination, collection and sharing such as ongoing private and public efforts in Norway together with the existence of the aforementioned public platform of BarentsWatch.



# SHOWCASE DATA USAGE: USE CASE



## USE CASES

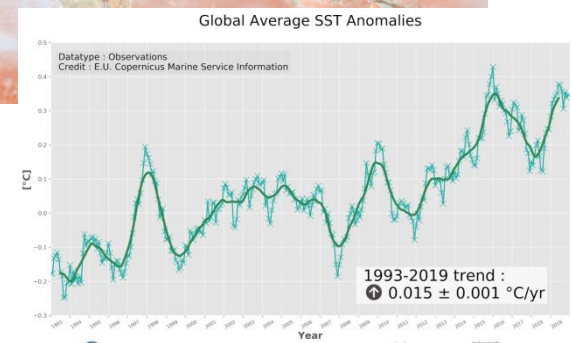
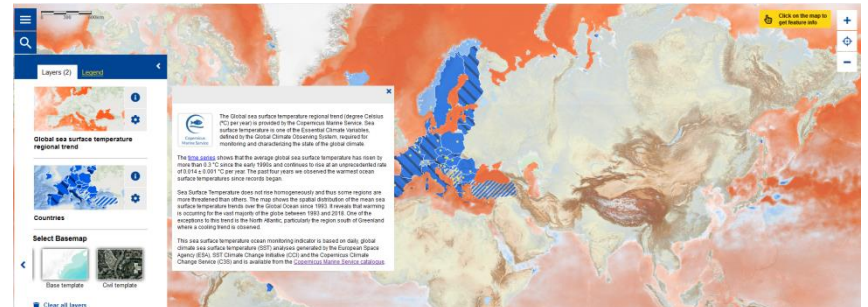
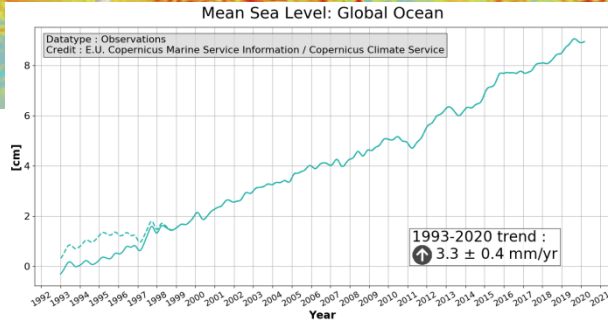
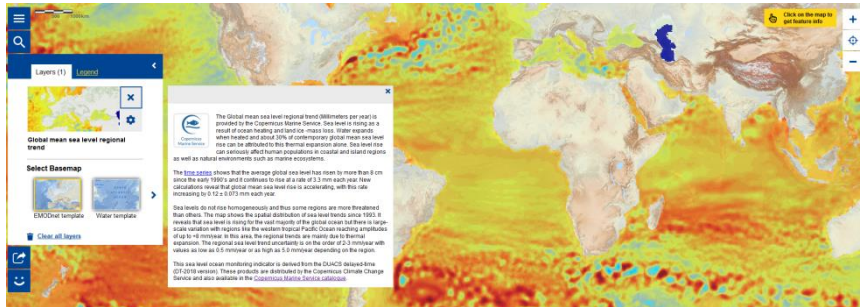




## 2 Copernicus Marine Indicators displayed in the European Atlas of the Seas

### Global Sea level trend

### Global SST trend



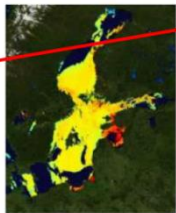


## PDF catalogue for the Baltic Sea for D5 and D6 in December 2020, gathering CMEMS and EMODnet products:

- Alessandra Giorgetti for EMODnet Chemistry
- Dominique Obaton for CMEMS
- Mickaël Vasquez for EMODnet seabed habitat
- **Products relevant for D5, eutrophication:** Chl, Phosphate, Nitrate, Dissolved inorganic nitrogen, Dissolved oxygen, Silicate
- **Product relevant for D6, sea floor integrity:** Baltic seabed habitat predictive multi –scale map
- Dec 14 2020: meeting with DG ENV and EEA
- Next step: Alessandra and Laurence to meet and discuss.

### Chlorophyll-a (chl)

Product name: **Baltic Sea surface reprocessed and near real time chlorophyll-1.3**  
Type: satellite  
Service source: CMEMS  
Name ID: [OCEANCOLOUR\\_BAL\\_CHL\\_L3\\_REP\\_OBSERVATIONS\\_009\\_080](#)  
[OCEANCOLOUR\\_BAL\\_CHL\\_L3\\_NRT\\_OBSERVATIONS\\_009\\_049](#)  
Variables: chlorophyll-a (mg.m<sup>-3</sup>)  
Spatial resolution: 1km x 1 km, surface  
Temporal coverage: 1997-09-04 to 2017-12-19 & 2016-04-25 to present  
Temporal resolution: daily mean  
Update frequency: yearly & daily  
Product relevancy: clear water, offshore to 1km at the coast



Product name: **Baltic sea surface and depth reprocessed chlorophyll at measurement points**  
Type: in situ  
Service source: EMODnet Chemistry  
Name ID: [Eutrophication and Acidity aggregated datasets v2018](#), DOI: [10.6092/595D233C-3F8C-4497-8BD2-52725CEFF96B](#)  
Variables: chlorophyll-a (mg.m<sup>-3</sup>)  
Spatial resolution: at measurement point, all water depths  
Temporal coverage: 1974 to 2017  
Temporal resolution: instantaneous  
Update frequency: yearly or biannual  
Product relevancy: at measurement points

