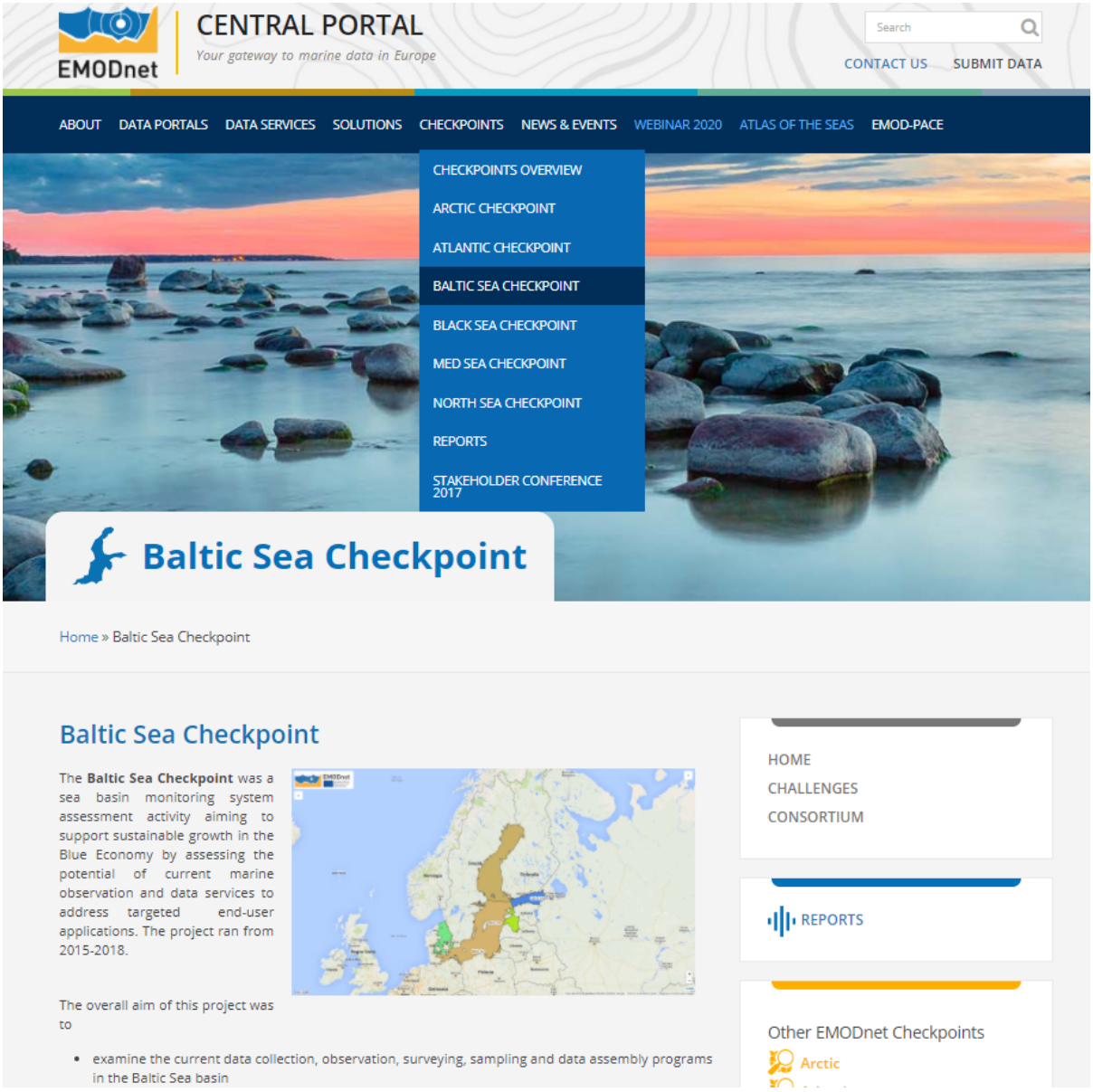
EMODnet European Marine Observation and Data Network

News Digest

OCTOBER 2020

New on the EMODnet Central Portal: Explore the Sea-basin Checkpoints



The Baltic Sea Checkpoint home page on the EMODnet Central Portal website.

Between 2013 and 2018, a series of EMODnet Sea-basin Checkpoints assessed the adequacy of the current observations and monitoring data resources available at the level of the regional sea basins. During these exercises, teams of engineers and scientists have assessed whether data collected and made available in the different sea basins are fit for purpose to support a knowledge based sustainable development of the maritime economy by testing the data against specific end-user challenges, the checkpoints evaluated how well the monitoring systems and data collection frameworks provided data to meet the needs of users. In doing so, data gaps and duplications as well as significant bottlenecks were highlighted.

To secure the long-term availability of the results, all Sea-basin Checkpoints websites are now fully migrated and integrated into the EMODnet Central Portal. Explore the different Checkpoints, their methodologies, the recommendations for the future development of the service and conclusions.

EMODnet 10 Years webinar recording is now available online!

Thank you to all who attended our EMODnet 10 Years celebration webinar which took place on 22 September. Over 250 people joined the online webinar from 39 countries! We are grateful for the positive feedback we have received following the event and would like to extend our sincerest gratitude for the many fruitful comments and suggestions received during and after the event.

If you were not able to attend the webinar, it is now available online! You can watch the full recording of the webinar on our YouTube channel. We have split the webinar in two parts: Watch Part 1 here, and Part 2 here.

Watch the webinar recordings

Download the presentations

Marine data to support aquaculture in the North Atlantic, a workshop co-organised by EMODnet, CMEMS, EATiP and DG MARE

On 20-21 October 2020, EMODnet co-organised a workshop on marine data for the aquaculture sector, in collaboration with EATiP, CMEMS and DG MARE. The EMODnet Secretariat, Thematic coordinators and representatives from EMODnet Biology, Chemistry, Human Activities and Physics joined the discussions, with participants being a mix of experienced marine data users, data providers, coastal managers and aquaculture industry representatives and end users.

The workshop included many discussion sessions to share experiences and to hear the marine data needs and requirements from the aquaculture sector, with a focus on the North Atlantic region. The workshop also raised awareness of EMODnet amongst the aquaculture sector, including EMODnet's diverse data and data product portfolio and the associated web services to discover, visualize and download these.

EMODnet welcomes further interaction and dialogue with those that attended the meeting, and wider industry and end-users, to provide further feedback on user needs and requirements, opportunities to share data, and interest to develop joint use cases. EMODnet also welcomes applications for its EMODnet Associated Partnership Scheme, which offers a closer dialogue with the private sector and wider data producers and users.

7th EMB Forum – Big Data in Marine Science: Supporting the European Green Deal, the EU Biodiversity Strategy, and the Digital Twin Ocean

On 23 October, the European Marine Board (EMB) held its 7th Forum on the topic of big data in marine science. The EMODnet Secretariat joined a panel together with representatives from Copernicus Marine (CMEMS), SeaDataNet and the European Commission, to discuss a future Digital Twin Ocean (DTO). This included a dialogue on the challenges for delivering a DTO, and the opportunities for open source marine data (including big data), together with modelling simulations and outputs, to deliver solutions for society. EMODnet and CMEMS were recognised as backbone for open source marine data and data product delivery to European DTO initiatives.

The recordings of the sessions are available here on the EMB YouTube channel, and further information including the agenda and speaker profiles are available here.

Join us in shaping the future of the Blue-Cloud!

The Blue-Cloud pilot project has launched an online consultation to co-design a collective, community vision for the Blue-Cloud and start paving the way for the Blue-Cloud Roadmap to 2030. EMODnet will be responding to this consultation as one of the marine data infrastructures that will be contributing to the "Blue-Cloud" project to demonstrate the potential of open science in the marine domain. We would like to invite you to also take part and join us in shaping the future of the Blue-Cloud, so that it responds to your needs and expectations.

Have your say in the way the Blue-Cloud develops into the future. Take this short survey now: https://www.blue-cloud.org/form/blue-cloud-roadmap-2030-online-consultation

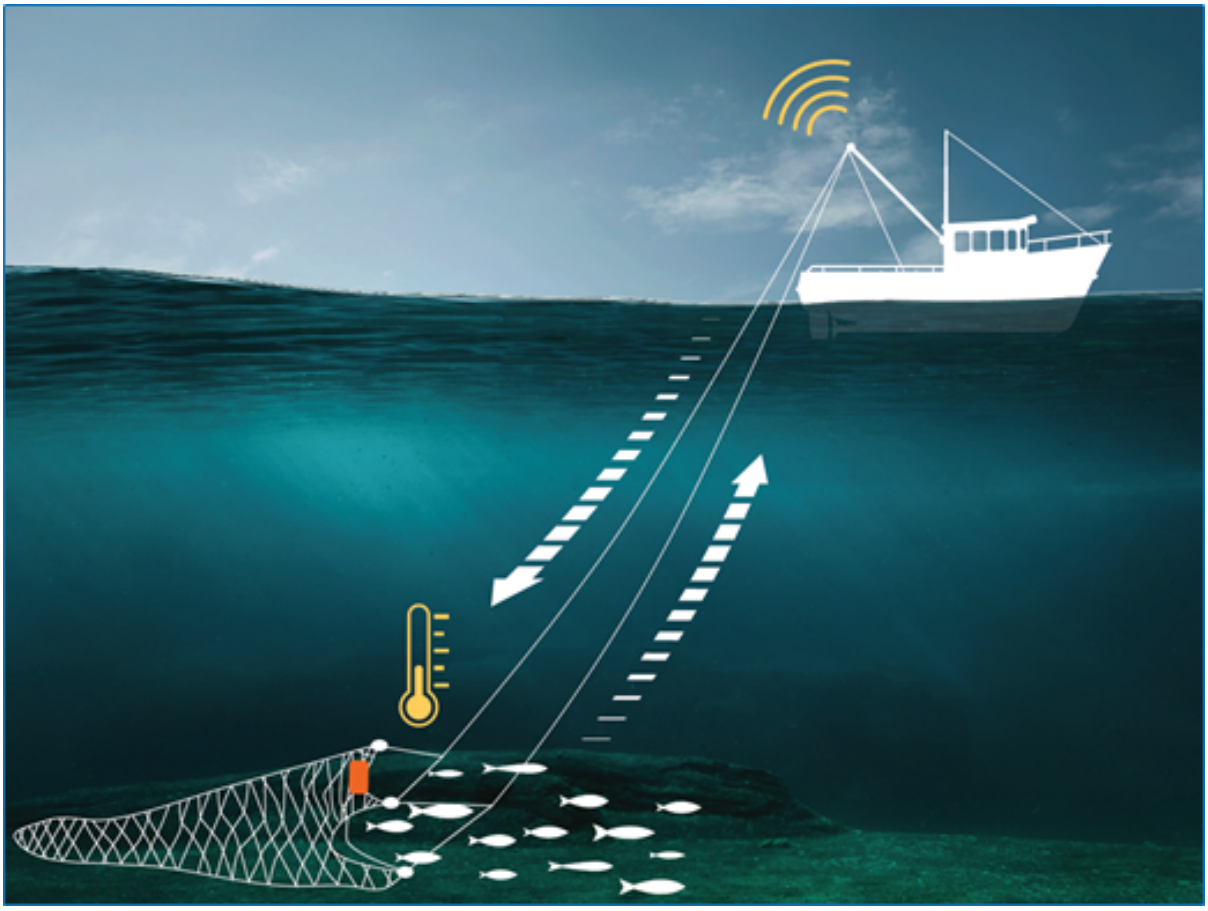
Take the online survey today!

Use Case in the Picture: EMODnet Physics supports Berring Data Collective start-up

Berring Data Collective (BDC) is a start-up dedicated to ocean observation, working in close collaboration with fishing vessels to collect data. The concept is sound: fishing for data – quite literally, is a cost-effective way to "catch" ocean data where fishing activities already take place! The EMODnet Physics maps enabled BDC to see that instrumenting fishing would collect data where it was lacking in coastal and shelf seas. A peer-reviewed scientific article was published based on subsequent rigorous analyses of the gaps in observation networks using EMODnet platform which provides an intuitive and user-friendly tool to visualise data from different ocean observation platforms at once, and all over the world.

For some time now, EMODnet Physics has worked closely with BDC to develop customized visualization pages in order to best display the data collection opportunities of fishing vessels and to pass fishing vessel data on to operational data hubs such as Copernicus Marine and the United Nations World Meteorological Organization.

Please visit https://emodnet.eu/en/use-cases to understand the full benefits of EMODnet!



BDC supplies fishing vessels with sensors and deck equipment necessary to collect ocean data.

ECO magazine features EMODnet in its latest news edition: A European Success Story

ECO Magazine is an internationally recognized magazine bringing the latest news related to ocean science and exploration to a wide audience. The EMODnet Secretariat published an article in the October 2020 edition about EMODnet's achievements and developments over the past decade, and its quest to deliver open access to harmonized, integrated and interoperable marine data and data products. The article follows the EMODnet 10 years webinar and short documentary.

Read the full article here

The European Marine Observation and Data Network (EMODnet) is financed by the European Union under Regulation (EU) No 508/2014 of the European Parliament and of the Council of 15 May 2014 on the European Maritime and Fisheries Fund.