Key updates and forward look

15th EMODnet Steering Committee Meeting
8-9 September 2021

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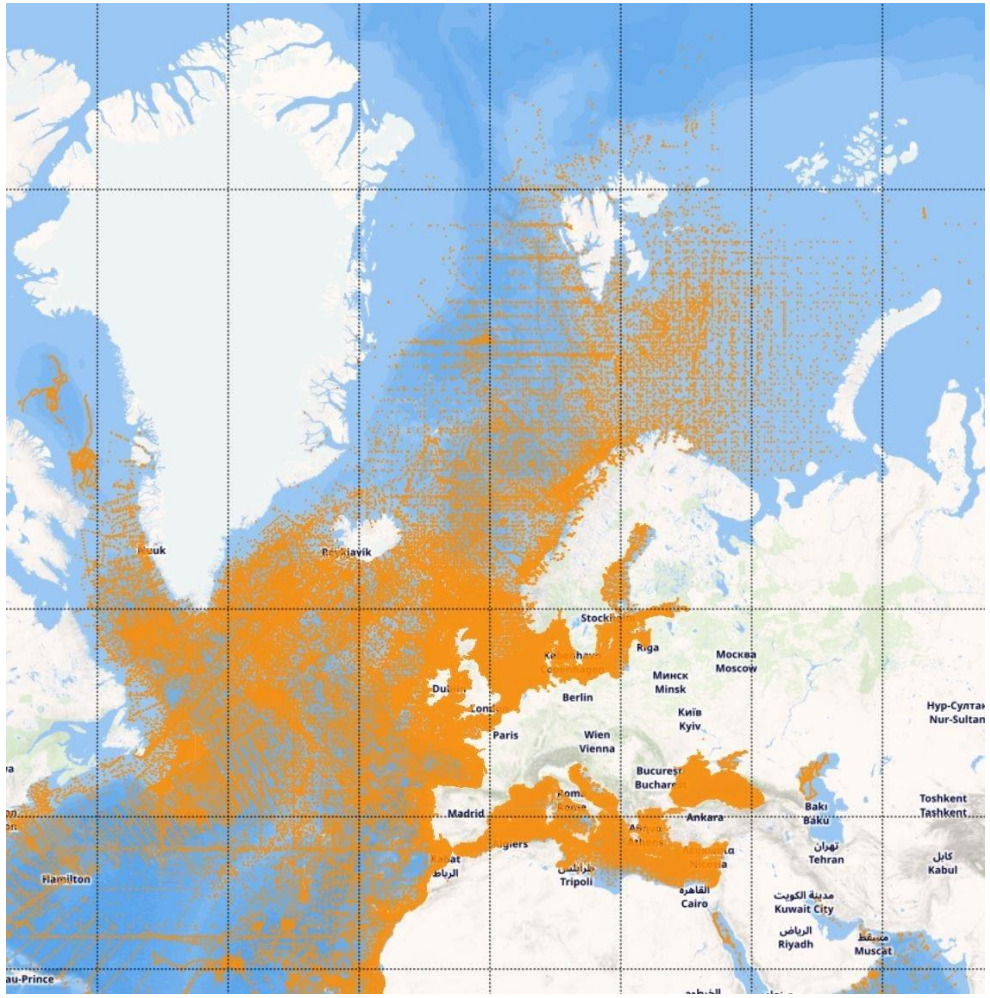
Chemistry portal
https://www.emodnet-chemistry.eu/

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.

EMODnet Chemistry update: April 2021 – September 2021
> M18 – M24 (October 2021)

- Further extension of the data access service supplied by a network of 65 data centers mobilized by EMODnet Chemistry; enriching or amending data and metadata already available



CDI service – coverage September 2021

- **CDI records and data sets:**
  June 2014: **661095;**
  June 2016: **807959**;
  Feb 2018**: 939400;**
  June 2020**: 1010933;**
  Apr 2021: **1051948;**
  September 2021: 1122527

- **65** Data Centres
- **32** Countries
- **490** Originators
- **1868 – 2021** years
- **89.5%** unrestricted
- **10.5%** to be negotiated

Increase **6** %

70.579 CDI datasets

~ **14.000** datasets/month

EMODnet Chemistry update: April 2021 – September 2021

- **Launch** of **floating microliter data collection** from all Member States in synergy with MSFD Technical Group of Marine Litter
- As follow-up to the release of data collection, **meetings with UNEP/MAP** exploring possibilities to use EMODnet data for calculation of the assessment criteria for nutrients and contaminants

Group of Variables
Acidity
Antifoulants
Chlorophyll
Dissolved gasses
Fertilisers
Hydrocarbons
Heavy metals
Marine litter
Organic matter
Polychlorinated biphenyls
Pesticides and biocides
Radionuclides
Silicates

- Further **revision of SeaDataNet vocabularies** (P02 PARAMETER DISCOVERY terms mapping to P36 EMODNET CHEMISTRY CHEMICAL GROUPS)
- Interest by JRC in marine Sediment Contaminants data as **exercise to support MSFD** and the EU Zero Pollution Action Plan

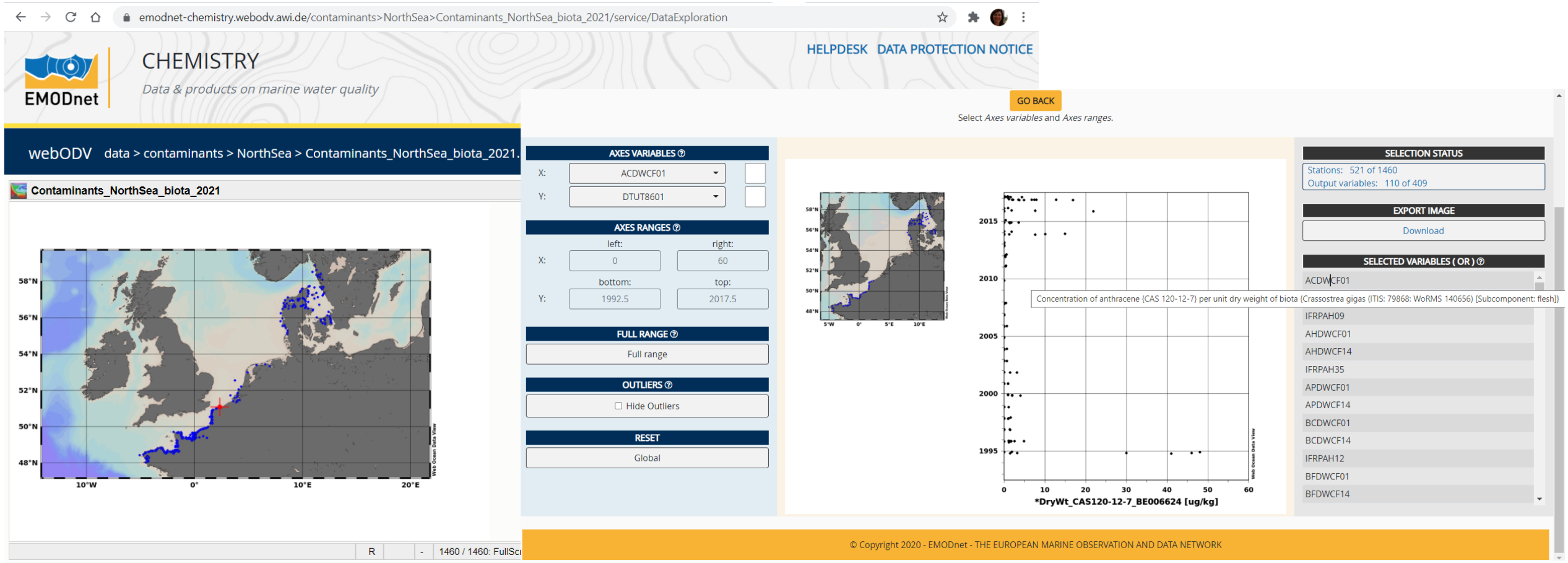
RADIONUCLIDES

Used parameters:

Parameter	Description
BRAD	Radioactivity in biota
SRAD	Geological sample radioactivity
WRAD	Radioactivity in water bodies

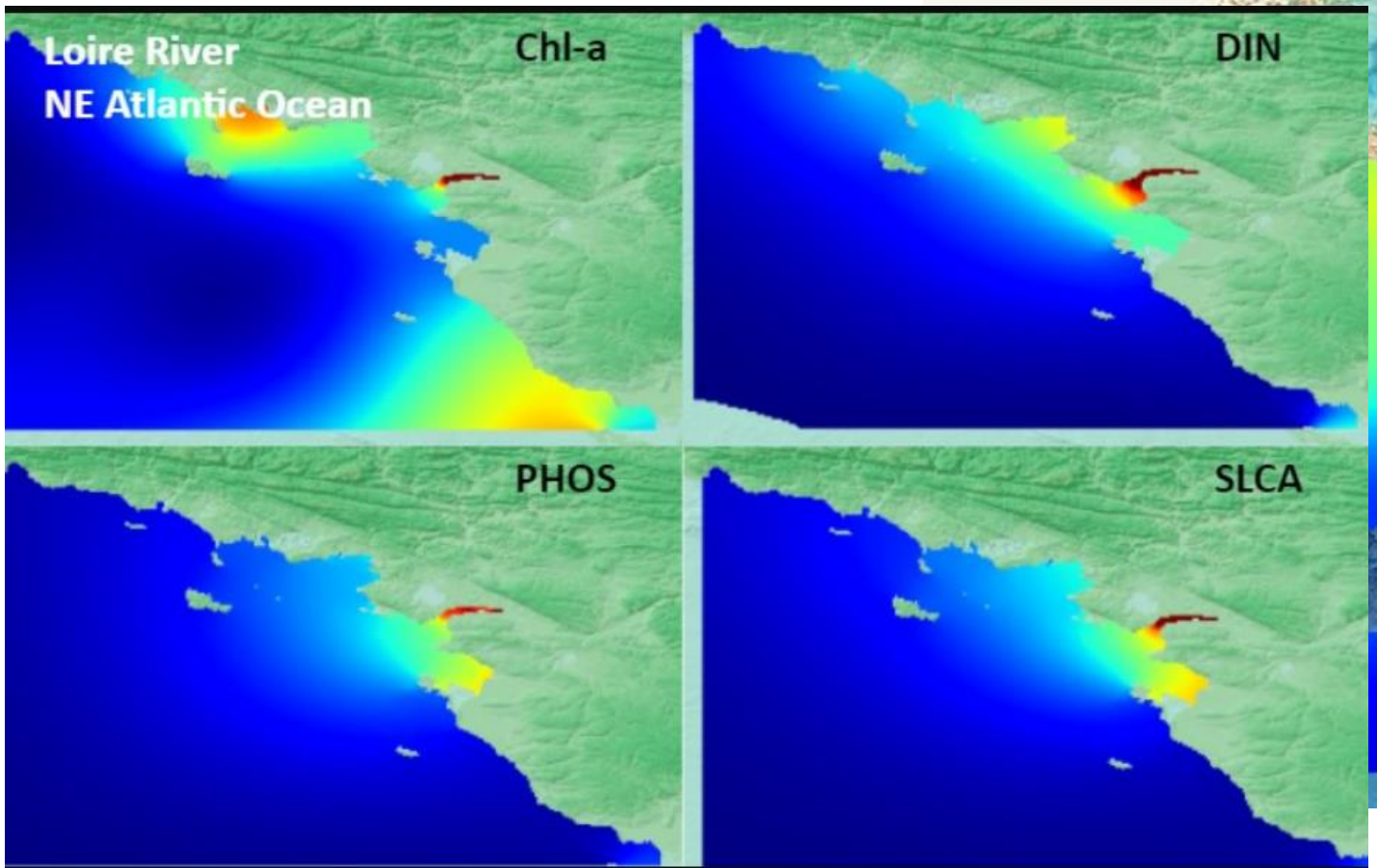
EMODnet Chemistry update: April 2021 – September 2021

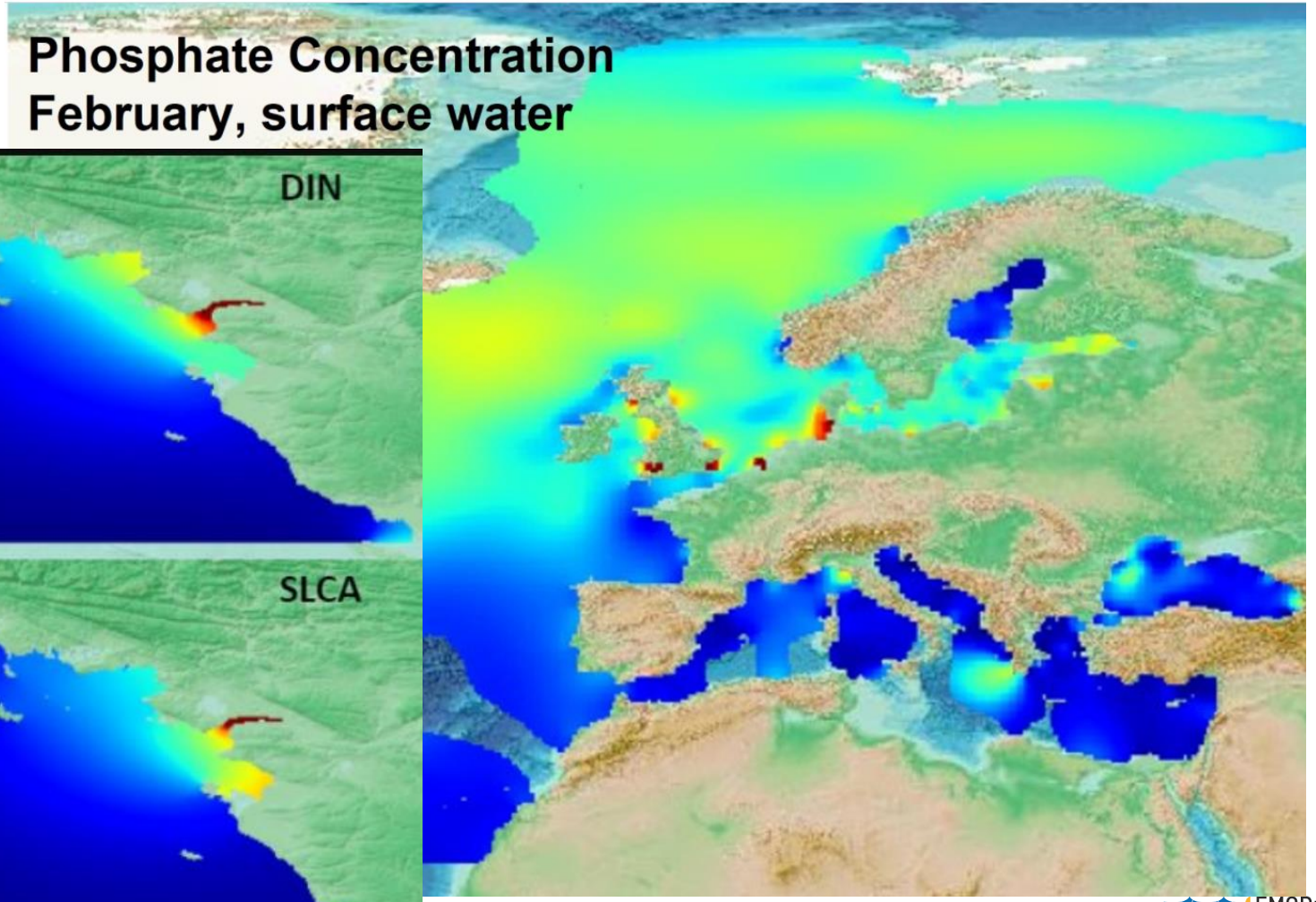
- **Updating** of the online webODV service to explore and extract **contaminant** data collections
- Opportunity to make **wider use** of WebODV as part of a new EOSC project, in which MARIS and AWI are developing a use case for WebODV



EMODnet Chemistry update: April 2021 – September 2021

- Release of new gridded climatologies of dissolved inorganic nitrogen (DIN), phosphate, silicate, chlorophyll - a, and dissolved oxygen concentration, with different resolutions from global, to regional and coastal





Cross-Thematic Interactions

- The joint **Copernicus Marine and EMODnet marine data catalogue** was presented at the Open Conference. Next step to plan is the interaction with the MSFD Technical Groups for detailed evaluation and adoption
- Example of **combining EMODnet data products (Chemistry, Biology, Bathymetry, HA, Seabed Habitats, Physics)** to support ecological research and environmental management presented at the Open Conference
- EMODnet (Chemistry and Human Activity) evaluate how to contribute to **harmonized reporting** and centralized data management regarding **acute pollution events** (oil and other contaminant spills)

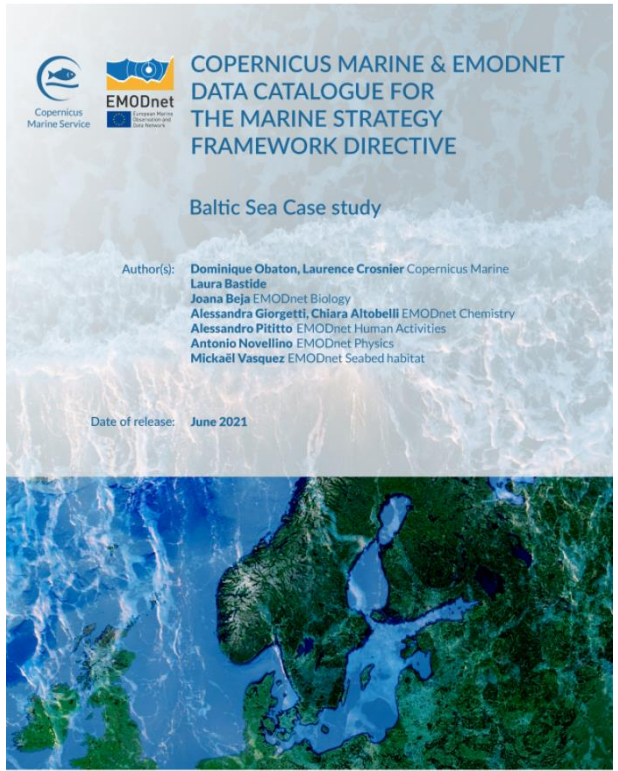
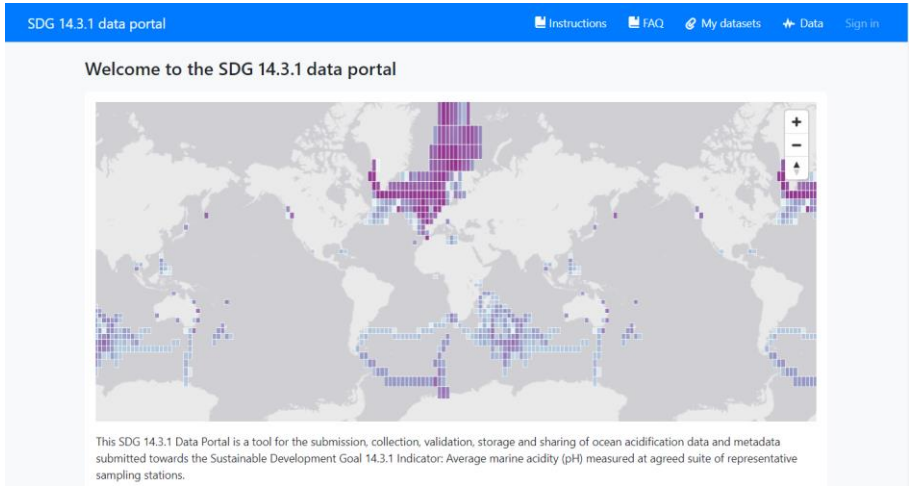



Photo Credit: Reuters

External interactions

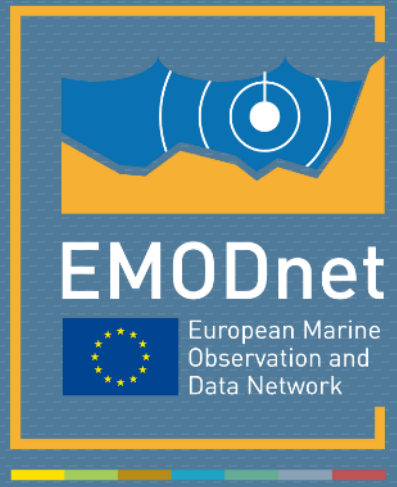
- Constant interaction with **RSCs and JRC** to support EU directives in the process of data harmonisation
- Contribution to the **SDG 14.3.1 data portal and federated data system** (workshop on 7/9/2021)
- Publication of the white paper for a **global ocean oxygen database and atlas**
- Sharing of the **UN SDG 14 quiz** and promotional video



Future Outlook

Plans for the remaining contract:

- **Completing floating micro-litter data collection** from EU Member States to EMODnet data centers, following the MSFD Technical Group on Marine Litter data call
- Revision and publication of **contaminants maps** (after comments by MSFD board of experts)
- **Promotion** of the new marine litter, eutrophication and contaminants datasets
- Promotion of webODV Data Explorer and Extractor (available for eutrophication and contaminants)
- Promotion of marine litter and eutrophication maps
- **Keep dialogue** with MSFD Technical Groups to get feedback on the joint Copernicus Marine and EMODnet marine data catalogue
- **Consolidate** input to global platforms (marine litter, oxygen, ocean acidification, …)



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