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The EMODnet platform: Data and presentation of Nutrients and hazardous substances cases

Following the EU Marine Knowledge 2020 agenda and the related roadmap, the European Marine Observation and Data Network (EMODnet) initiative was launched by DG MARE through a stepwise approach, to provide access to marine data and derived data products from seven thematic groups: bathymetry, geology, physical habitats, chemistry, biology, physics and human activity.

The EMODnet chemistry project consists of 32 partners and 14 sub-contractors, representing 46 institutes of 29 European coastal countries. The project have collected a meta-database with inputs from the almost all major European monitoring institutions, with the possibility to do a one stop shopping of data from the individual institutes by a simple portal. The data have been quality assured and products on Nutrients, other eutrophication parameters and hazardous substances have been produced.

The North Sea is one of 5 regional seas in the EMODnet project, and data products on nutrient development in the North Sea over the last 40 years will be presented, highlighting the availability of historic and present time data and problems discovered with the datasets from contributors. Although nutrients are a considerable threat, also hazardous substances can have impact on the North Sea Ecosystem. The availability of data on Hazardous substances will be discussed, and an aggregation mechanism for hazardous substances (CHASE) will be presented. Finally the portal will be shortly demonstrated for access to national data and data from other regional seas.

Keywords: EMODnet, data availability, nutrients, Hazardous substances, CHASE