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Contribution of **EMODnet** to EU DTO via EDITO-Infra

Francisco Hernandez, VLIZ

Powering the European Marine Data Ecosystem

For a digital and green future

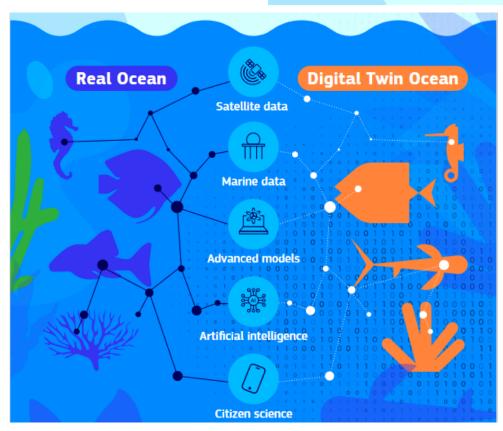


DIGITAL TWIN OCEAN



An interactive replica of the ocean for better decision-making

A digital space providing access to vast amounts of data, models, artificial intelligence and other tools, which will allow the replication of the properties and behaviours of marine systems, including ocean currents and waves, marine life and human activities, and their interactions, in and near the sea.







European Digital Twin of the Ocean

A leap in ocean knowledge and sustainable action











DIGITAL TWIN OCEAN

data requirements

- a continuos flow of multidisciplinary data
- that describes the changing state of the marine (eco)system
- that describes the use of and impact on the marine (eco)sytem

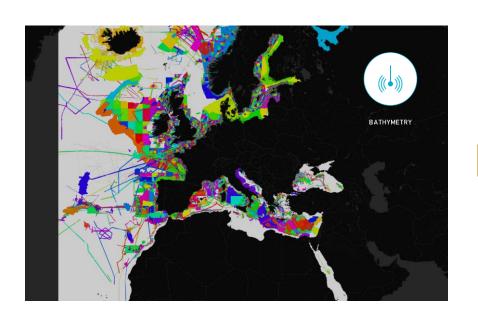




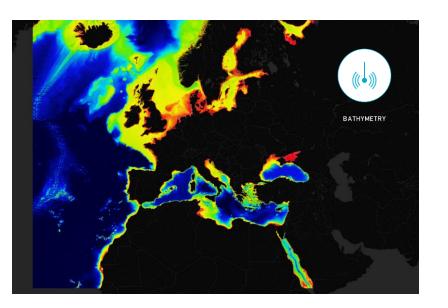
Future directions for EMODNET to power DTO applications



Analysis ready data to feed the models and applications in the DTO faster



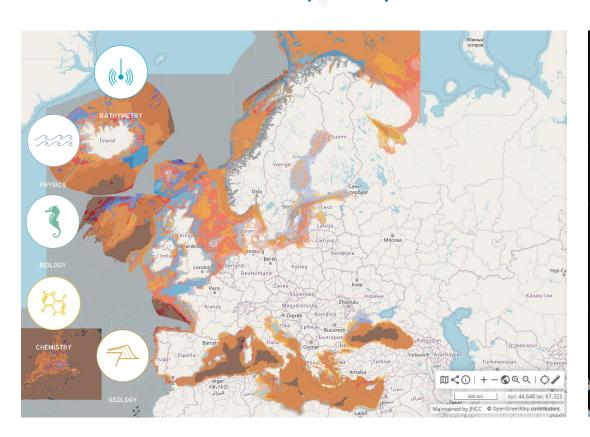


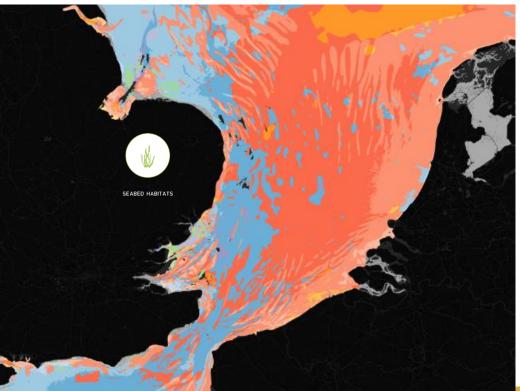


Future directions for EMODNET to power DTO applications



• Combined multidisciplinary data to answer more complex problems



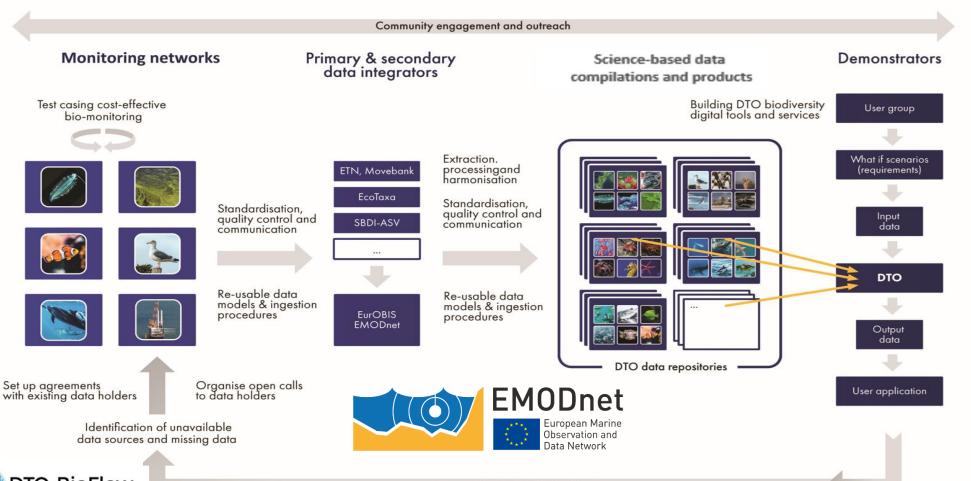


EMODnet OPEN CONFERENCE 2023

Future directions for EMODNET to power DTO applications



Near real time ecosystem data to monitore impact and validate predictions

















Powering the European Marine Data Ecosystem

For a digital and green future







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