



**EMODnet**

European Marine  
Observation and  
Data Network

Seabed Habitats



# EMODnet Seabed Habitats Thematic Update

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# EMODnet Seabed Habitats current offer

## Overview of services



- EUSeaMap – broadscale seabed habitat map & environmental variables that influence habitat type
- Habitat maps / habitat point data / habitat models
- Composite products
  - Essential Ocean Variables (EOV): Live hard coral / Seagrass / Macroalgal canopy / Mangrove cover
  - Coastal wetlands
  - Essential Fish Habitats (EFH)
  - Vulnerable Marine Ecosystems (VME)
  - Biogenic substrate

Data type	Number of layers
EUSeaMap	132
Environmental variables that influence habitat type	60
Individual habitat maps from survey	1152
Point data	3
Modelled maps	104
Composite product	76
EFH map	23
EFH model	27
<b>Total</b>	<b>1577</b>

# EMODnet Seabed Habitats current offer

## Data/Data Products for EU Policy



### *Existing*

- MSFD reporting
  - EUSeaMap - Benthic Broad Habitat Types

### *Potential*

- Restoration Law (or whatever will come out of the process)
  - EUSeaMap / EOVs / other habitat mapping products defining the EUNIS level 3/4/5 habitats

# EMODnet Seabed Habitats Future look

## Service evolution (Phase V / 2023–2025)



- Updates to all existing products & new ones
- Integration and expansion of data sources
  - Identifying new areas and data providers
  - Working toward full integration of habitat observation data with species data
- Enhancing user experience & maximizing utility of data
  - Development of tools, sharing them & ideas across themes
- Enhancing collaboration and focusing on user needs
  - Identifying potential new meaningful (possibly cross-thematic) products aligned with policy delivery
  - RSCs collaboration
  - Research projects

# Engagement, Partnerships and Use Cases

- Ongoing MSFD reporting (2024)
- Scientific articles (8), Scientific reports (1), Technical reports (2), Conference proceedings (2), Posters (1)
- Collaboration with projects (Horizon Europe: OBAMA-NEXT & MARCO-BOLO)
- RSCs – HELCOM Habitat Mapping Products Workshop (05/2024)
- TG Seabed & ICES WG for Marine Habitat Mapping



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