

#### **SEABED HABITATS**

Unlocking seabed habitat data in Europe

### **EMODnet Seabed Habitats**

Coastal workshop: EMODnet and CMEMS – 16th June 2020

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#### **EMODnet Seabed Habitats**



























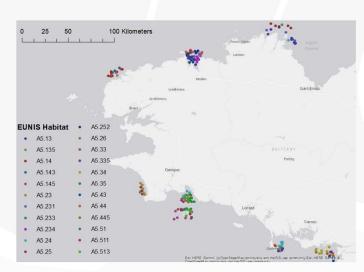


6/29/2020

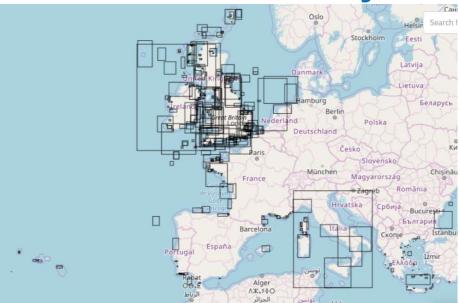
## EMODnet European Marine Observation and

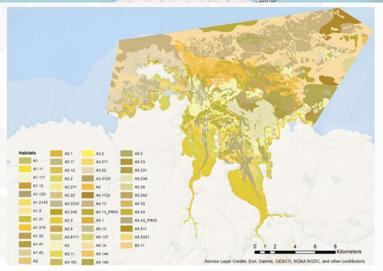
#### Habitat data from survey

- Over 800 habitat maps from survey
- (b) >500.000 Survey ground-thruthing points
- (b) Intertidal zone to the deep sea
- (b) EUNIS, Annex I & Other classifications



Occurence of EUNIS habitat (Britanny, France) 6/29/2020





Survey habitat map in EUNIS classification (Morlaix, Bretagne, France) 3



#### **Habitat models**

>70 Modelled maps of specific habitats

(b) EUSeaMap broad –scale full coverage habitat map and confidence map



Habitat suitability for Fucus SPP in Finland

# EUSeaMap in the MSFD classification

#### EUSeaMap:

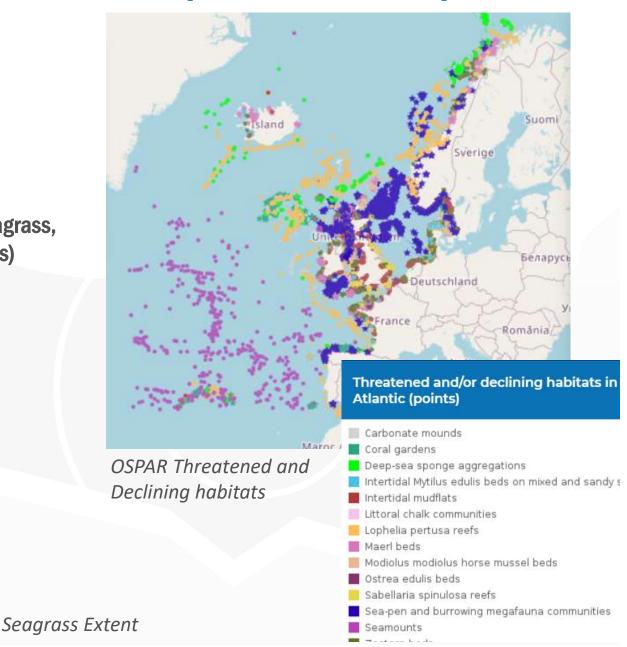
produced using a top-down modelling approach using classified environmental variables (e.g bathymetry, substrate, light at the seabed) and some biotope data for validation of classes



- Composite habitat Products
- Including OSPAR T&D habitats
- Essential Ocean Variables (Seagrass, macrophytes cold waters corals)



#### **Composite habitat products**



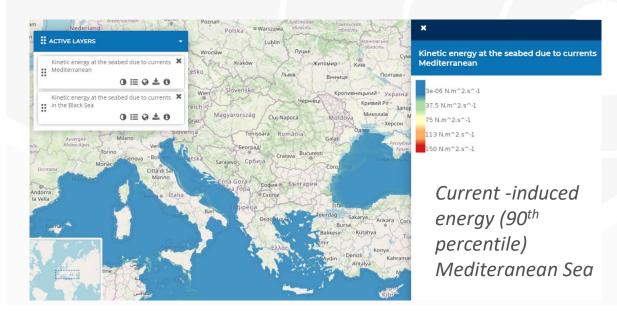


#### **Environmental variables**

- *KdPAR (average 2005-2009)*
- Sea ice concentration
  100
  0

Ice concentration (average 2018)

- (b) Environmental variables influencing habitat type
- (b) Light availability, wave kinetic energy, Current kinetic energy, temperature, ice coverage
- ( CMEMS products used
- For example Ke\_current the Black Sea and Med



https://www.emodnetseabedhabitats.eu/about/dataproducts-summary/

