

Planning and conducting video based habitat mapping - the IMR contribution to BIOMETORE

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mareano

(Marine Areal Database for Norwegian sea areas)

12 years of seafloor mapping for the Norwegian government

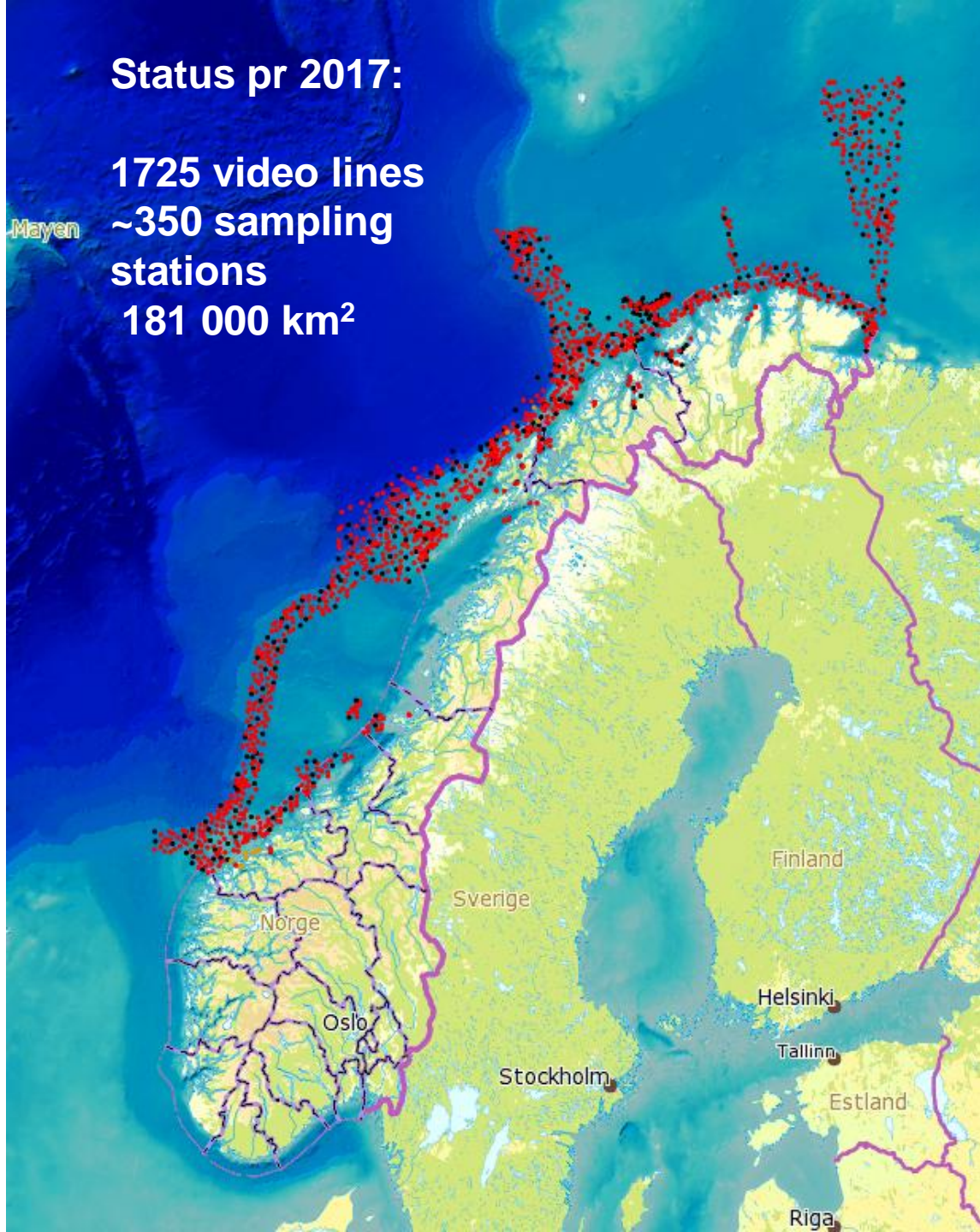
main products:

- Detailed bathymetric maps
- Maps and description of sediment types, habitats, and geological features
- Maps and description of benthic fauna, biodiversity, communities, and production
- Environmental status for sediments
- Areal database for Norwegian coastal- and offshore areas

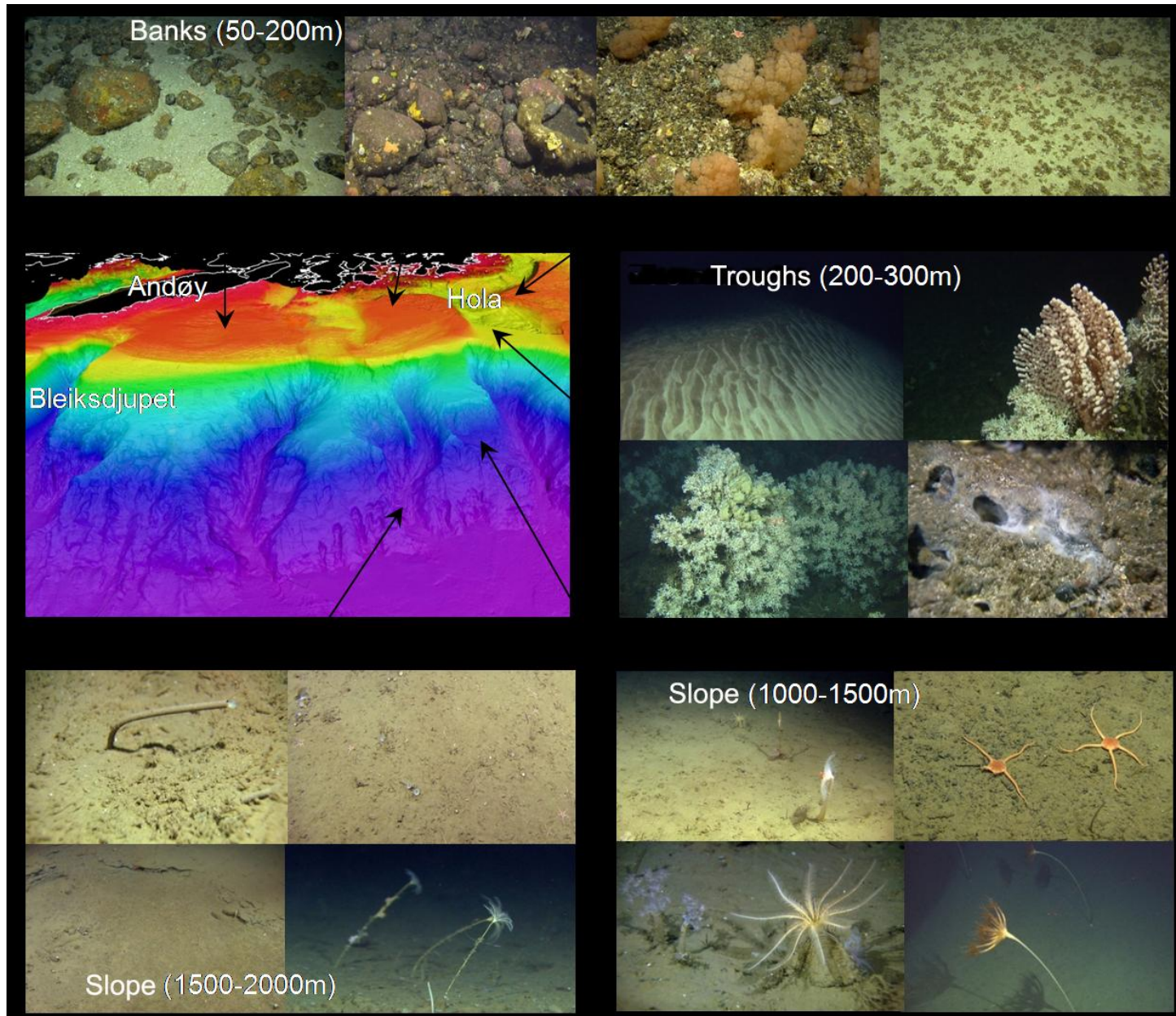
www.MAREANO.no

Status pr 2017:

1725 video lines
~350 sampling stations
181 000 km²



Challenging landscapes and habitats on shelf and slope



Landscape

Shaded relief

Biotoques

Pollution

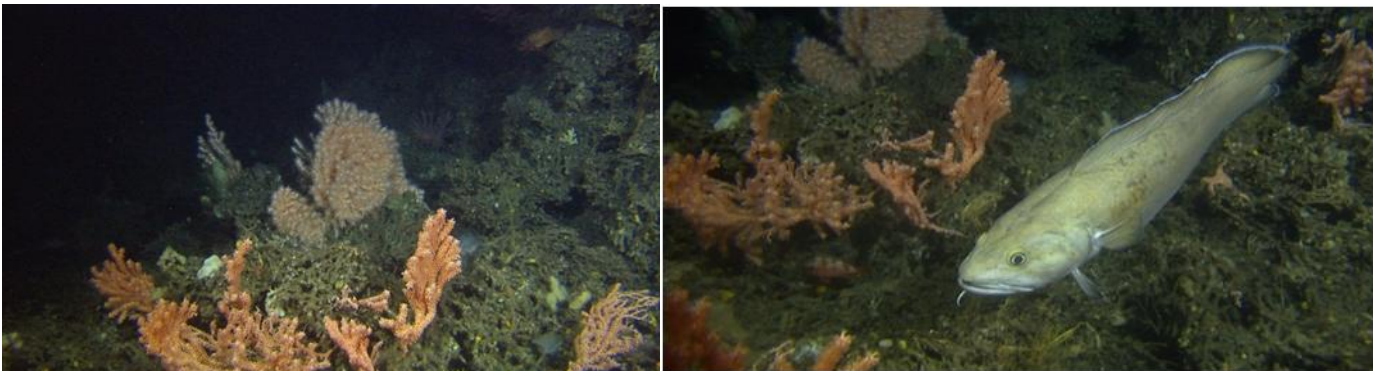
Exchange of experience from the Mareano mapping by IMR

Work package 2 – Benthic habitats characterization

Coordination: Miriam Tuaty Guerra (IPMA); Marina Carreiro Silva (IMAR).

Video footage methods /analysis for:

- Habitat characterization
- Species identification, diversity, spatial distribution and/or abundance estimation
- Habitat predictive modelling
- Skills acquisition to operate with scientific equipment
- VME indicator species identification (e.g. sponges and corals)





Deliveries from IMR to the project

- Contributing in planning of Portuguese cruises for bottom fauna mapping in MPA Great Meteor
- Provide training on Mareano cruises
- Arrange workshop on video analysis
- Provide software for video analysis
- Participate on BIOMETORE cruise with Mareano video equipment, engineer and scientists
- Analyse videos from mapping in Portuguese waters
- Produce fauna guide for analysis of videos from Portuguese waters

Three month left of project activities, planned activities

- Contribute in the analysis of videos available from seafloor mapping
- Collaborate in the production of a fauna guide based on video material available
- Help supervising student using the available video material



biometore

With hope for EEA collaboration in BIOMETORE II Thank You



Direção Regional dos Assuntos do Mar

