

International experience on defining favourable conservation status and modelling of distribution of benthic habitats in Estonian marine areas

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# About GRID-Arendal

- Norwegian Foundation est. 1989
- Norway Ministries of Environment and Foreign Affairs
- UNEP collaborating center
- Core Marine, Polar and Assessment competencies



# About GRID-Arendal

- International organisation
- Projects throughout the globe
  - Africa
  - Arctic
  - Pacific Islands
  - Caribbean Islands
  - Caspian Sea
  - Himalayas
  - Baltic

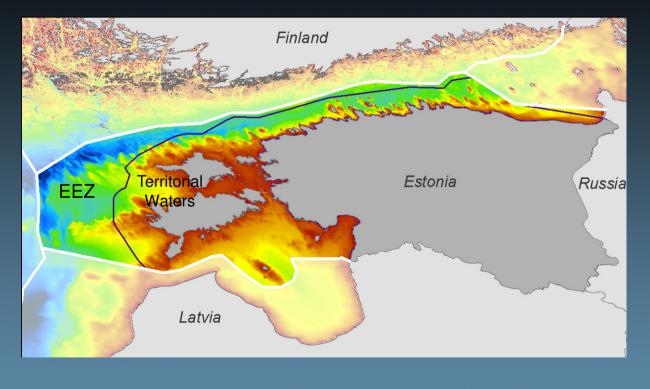


#### **GRID-Arendal role in NEMA**

- Develop a habitat map for Estonian EEZ
- Report on conservation status of Annex I marine habitat types in Estonian coastal sea
- Monitoring methodology for conservation status of marine habitat types in Estonian sea areas

#### Habitat Map

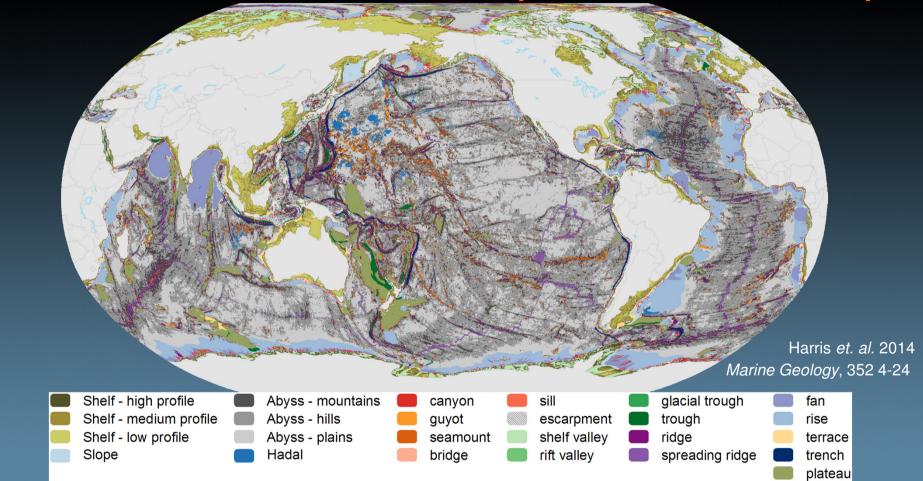
 Habitat modelling based on available geophysical and environmental variables



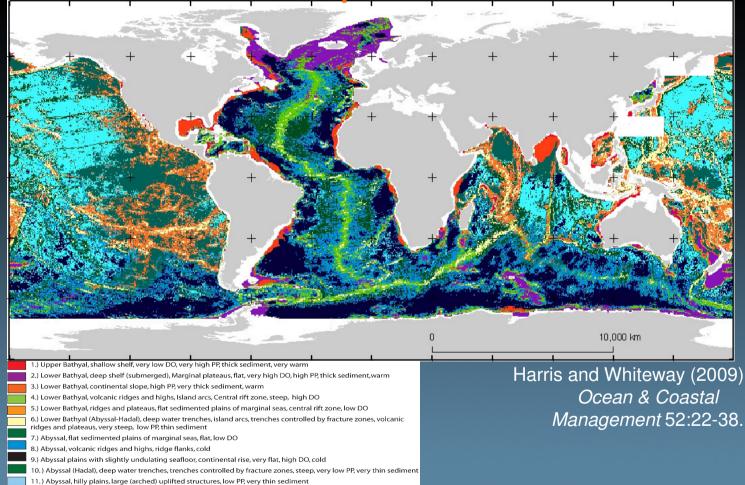
#### **Relevant Project Experience**

- Global Seafloor Geomorphic Features Map
- Global Seascapes
- Habitat mapping and monitoring in Australia
- State of Marine Environment reporting

# Global Seafloor Geomorphic Feature Map

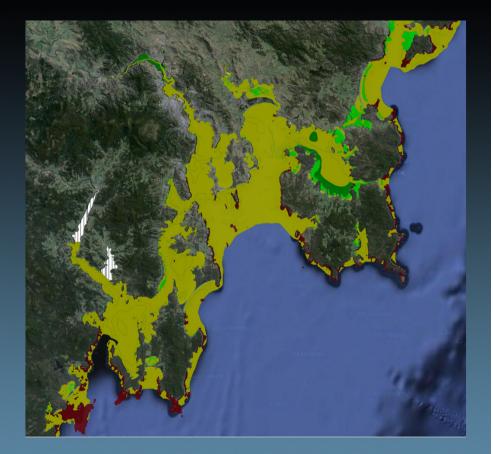


#### **Global Seascapes Classification**



# Habitat mapping and monitoring in Australia

- Baseline mapping of marine habitats
- Habitat condition assesment
- Monitoring seagrass in response to water quality



### State of Marine Environment Reporting

- Expert elicitation methodology
- Monitoring data often poor, sparse or out of date
- Use expert knowledge to supplement available data
- Assessments completed in West Africa, South China Sea and Australia