Marine data acquisition

GEUS has a collection of instruments for acoustic measurements and sediment sampling on shallow as well as deep waters.

Including:

- seismic equipment, e.g. boomer and sparker systems, sonar systems and echosounders.
- sediment sampling, e.g. vibro and gravity corers, Box-corer and grab corers.
- Maritina - a 31 feet motorboat for seismic investigations, sampling, etc. in the inner Danish waters.



Resources, competences, equipment

GEUS has a significant pool of marine geological instruments

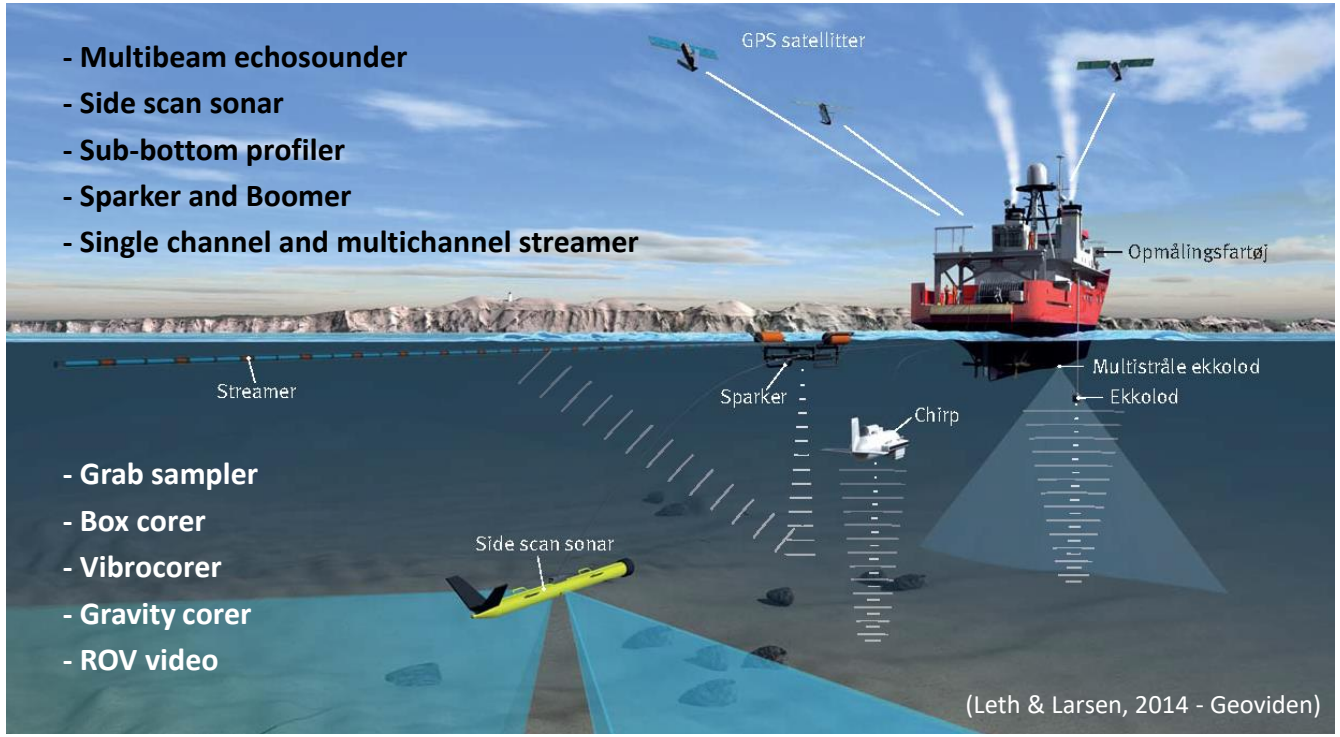
Skilled technicians, geologists and geophysicists in SURFACE in Aarhus and colleague departments in Copenhagen

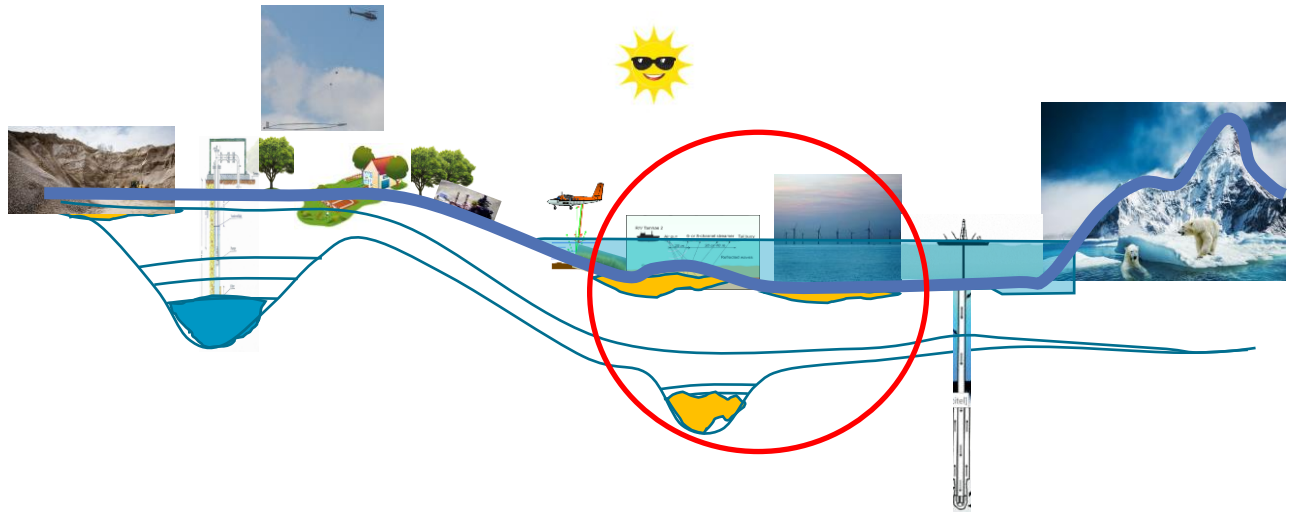
Marine geological teams in SURFACE (18-20 people):

- Survey & Technology
- Nature & Environment
- Resources & Energy
- Paleoclimate

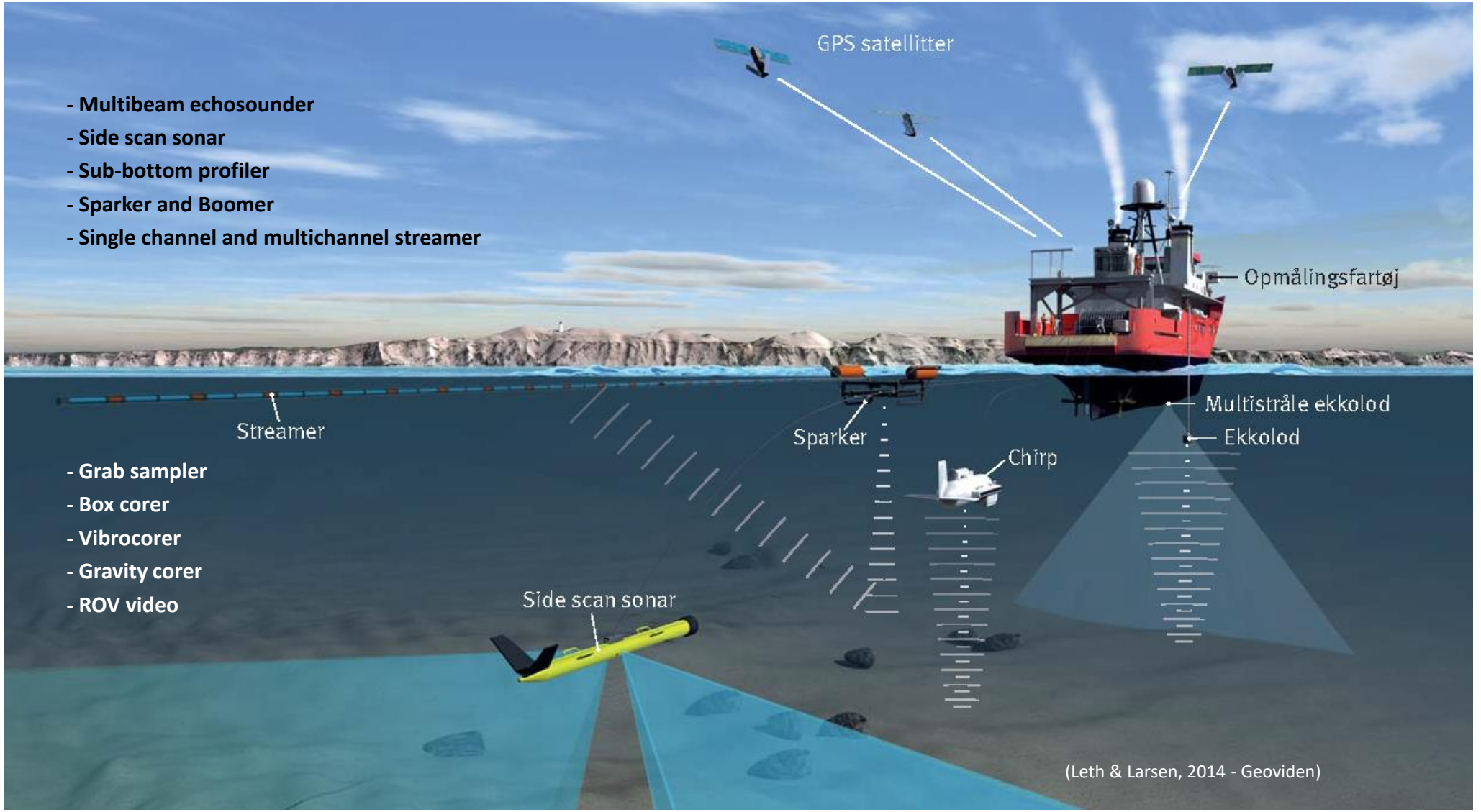
Core areas:

- Geological and geomorphological models
- Paleoclimate-geosystem research
- Basic raw materials
  - Raw material mapping
- Seabed surface sediments
  - Sediment and substrate mapping
- Seabed habitats
  - Habitat mapping
- Marine/maritime spatial planning
- Research and advisory related to the seabed
  - Seabed infrastructure (e.g. wind farms, pipelines, bridges, tunnels)
  - Nature and environment (e.g. protection, restoration)
  - Marine archaeology
  - …
- Data collection
- Data management and data portals
- Publication and outreach





Marine survey equipment



GEUS