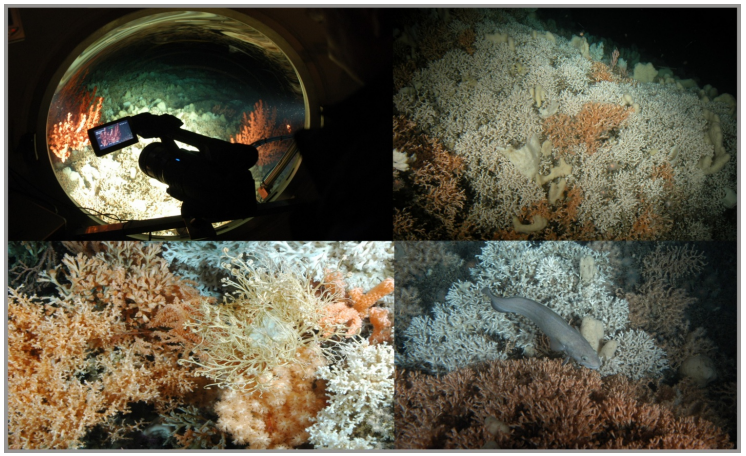
PI's:
C. Dullo, S. Flögel, O. Pfannkuche

Start of project: 2011

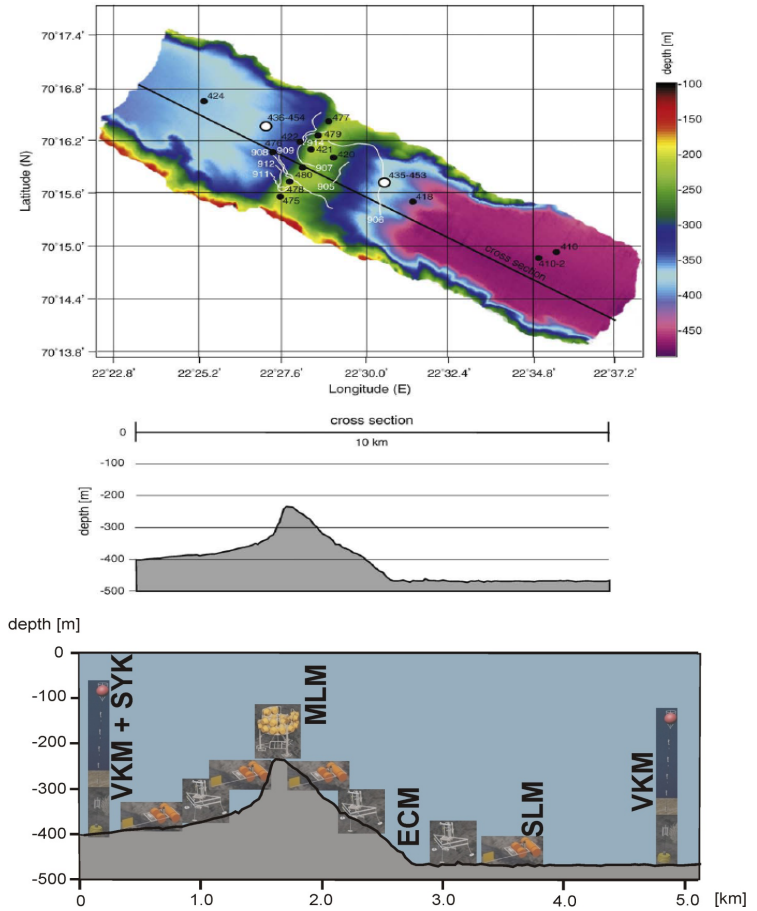
4D- observation of hydrodynamical, -chemical, and biological properties and its influence on cold-water coral growth in the Stjernsund, Norway

Aim: Investigate the cold-water corals in the Stjernsund, northern Norway. We employ the novel MoLab observatory which measures timely synchronized physical, chemical, and biogeochemical environmental parameters in an instrument array covering the reef which is located on a morainic sill.



Reef facies in the Stjernsund, northern Norway

Goals: assess the influence of physical parameters, e.g.density, currents, diss. oxygen internal waves, tides on the occurrence of cold-water corals along Stjernsund sill..



Bathymetry of the Stjernsund and planned deployment array of MoLab (Modular multidisciplinary seafloor observatory).