Seismic lab

IG has a modern computer lab where the students get training on geophysical data processing, interpretation and visualization for understanding complex Earth system interactions. The lab has capacity for 20 students and is equipped with large 38'' curved screens to give the students an improved experience while performing interpretation work of seismic and other large data sets. The students work individually or in groups with assigned case studies and exercises that involve integrated analyses of large geophysical data sets, mostly from marine environments.

Thanks to close cooperations with the IT department, the lab is constantly evolving with new and more sustainable technological solutions for providing the students access to leading commercial geophysical software (e.g., Petrel, SeisSpace, Hampson Russell, Geoteric, ArcGIS, among others).

The lab is primarily used for practical work and interactive lectures associated with the following courses:

- GEO-3126/8126 Seismic processing
- GEO-3138/8138 Integrated Geological and Geophysical Interpretation

The room is equipped with digital boards with touch screen and other functions that allow manipulation of geophysical data displays for interactive teaching.

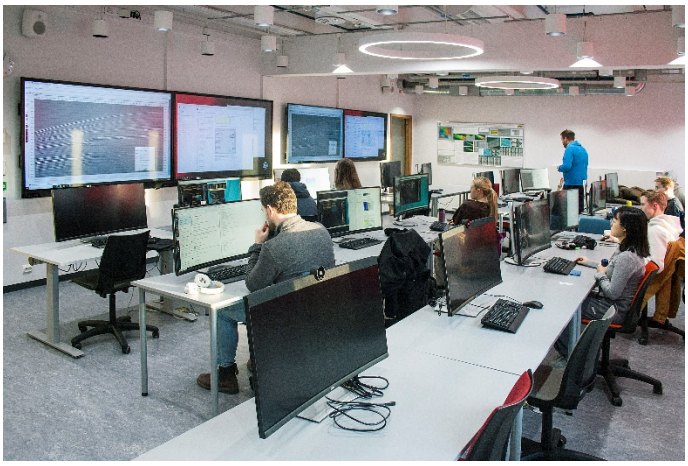


Photo: Kai Mortensen

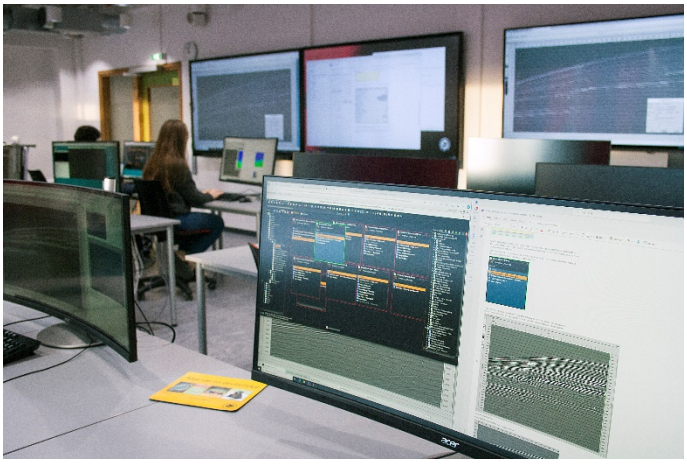
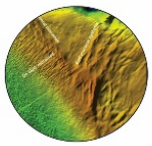
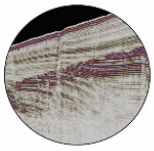


Photo: Kai Mortensen

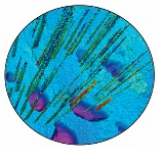
submarine landforms



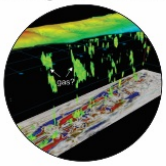
gas hydrates



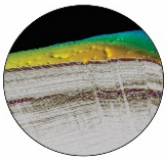
seafloor seepage



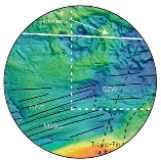
shallow gas and carbonates



seafloor pockmarks



ice-streams



fractures and fluid flow