

GLANAM workshop and field excursion 2015 in Svalbard Programme

12th June

Friday

18:00 – 20:00 Icebreaker, BBQ on the beach at the Longyearbyen Sailing Club (For the location, see the attached map).

13th June

Saturday: auditorium Lassegrotta, UNIS

Introduction session

9:00 – 9:15 Welcome + practicalities (Hans Petter Sejrup, Riko Noormets)

9:15 – 9:45 **John Howe:** *Seabed mapping using ROVs and AUVs*

9:45 – 10:15 **Lara F. Pérez:** *Preliminary results in the Scoresby Sund fan evolution: Northeast Greenland margin*

10:15 – 10:45 Coffee

Greenland-North Sea session

Session chair: John Howe

10:45 – 11:15 **Tove Nielsen:** *The story of the Greenland Ice Sheet*

11:15 – 11:30 **Katrien Heirman:** *Glaciers vs. bottom currents vs. tectonics: The different protagonists in the evolution of two conjugated margins, the SE Greenland and the Irish margin*

11:30 – 11:45 **Julia Hoffman:** *Seismic stratigraphic architecture of the Disko Bay trough-mouth fan system, West Greenland*

11:45 – 12:00 **Katharina Streuff:** *The sedimentary record of the Holocene evolution of Greenland Ice Sheet outlet glaciers in the Disko Bay area*

12:00 – 13:15 Lunch

Session chair: Mike Bentley

13:15 – 13:45 **Berit Hjelstuen:** *The Nagtec project - Tectonostratigraphy of the NE Atlantic Region*

13:45 – 14:15 **Hans Petter Sejrup, Chris Clark, Berit Hjelstuen:** *Last glacial phase of the North Sea*

14:15 – 14:45 Coffee

14:45 – 15:15 **ESR mini-seminar 1 (Kasper, Björn, Lukas):** *What were the main forcings and how did they control the climate and associated growth and decay of ice sheets in the North Atlantic region during the Quaternary?*

15:15 – 15:45 **ESR mini-seminar 2 (Kevin, Elena, Riccardo):** *What were the main forcings and how did they control the climate and ice sheet evolution during the last glacial-interglacial cycle?*

15:45- 17:00 Visit to Svalbard museum and/or the North Pole Expeditions Museum

14th June

Sunday: auditorium Lassegrotta, UNIS

Svalbard-Barents Sea session: Chair Paul Dunlop

- 9:00 – 9:30 **Nina Kirchner:** *The Svalbard Barents Sea Ice Sheet: a review of ice sheet model development, applications and results (Invited)*
- 9:30 – 9:45 **Riko Noormets:** *Deglaciation of the northern Barents Sea*
- 9:45 – 10:00 **Amandine Auriac:** *Modelling of the glacial isostatic adjustment associated with the Barents Sea ice sheet*
- 10:00 – 10:15 **Emilia Piasecka:** *Reconstructing the retreat dynamics of the Bjørnøyrenna Ice Stream based on 3D seismic geomorphology from the central Barents Sea*
- 10:15 – 10:45 Coffee

Session chair: *Hafliði Hafliðason*

- 10:45 – 11:15 **Heidi Sevestre:** (UNIS, invited: CRIOS-project (Calving Rates and Impact on Sea Level))
- 11:15 – 11:30 **Anne Flink:** *Glacier dynamics in Mohnbukta, east Svalbard*
- 11:30 – 11:45 **Oscar Fransner:** *Ice sheet dynamics and sedimentary processes on the continental shelf edge and slope north of Nordaustlandet, Svalbard*
- 11:45 – 12:00 **Benjamin Bellwald:** *Glacial development of the Hoop Area based on interpretation of high-resolution P-Cable 3D seismic data*
- 12:00 – 12:15 **Dimitrios Ktenas:** *Quantification of Magnitude of Erosion in the SW Barents Sea using Sonic Velocities – First Results*

12:15 – 13:30 Lunch

13:30 – 14:00 Safety briefing

14:00 – 16:00 Supervisory Board meeting for members

Optional fossil hunting with elves on the moraines of Longyearbreen or Larsbreen for the rest.

15th June

Monday: M/S Langøysund

8:00 – 18:00

Field trip in Isfjorden. Ymerbukta/Esmarkbreen – Barentsburg.

Workshop dinner (deck BBQ) onboard the vessel on the way back to Longyearbyen.

16th June

Tuesday

Morning: shopping/walking in town

Afternoon: departure of those not involved in scientific writing course.

If interested, a hike in the surroundings of Longyearbyen or day-trip to Barentsburg can be organised. Contact Oscar and Anne for options.

17-19th June

Scientific writing course for the fellows.

Details to be announced during the workshop.