GLANAM flies to San Francisco - contributions at the AGU meeting 2016

BENJAMIN BELLWALD
Abstract ID and Title: 147019: Holocene Mass Transport Deposits in Western Norwegian fjords and lakes revealing prehistoric earthquake history of Scandinavia
Presentation Type: Oral
Session Date and Time: Monday, 12 December 2016; 13:40 - 14:35
Presentation Length: 14:10 - 14:25
Session Number and Title: OS13D: Marine Geohazards II (Half Session)
Location: Moscone West; 3011

ELENA GRIMOLDI
Abstract Title: Reconstruction of the Final Phases of Activity of the North Sea Lobe Ice Stream during the Late Devensian
Presentation type: Poster
Session date and Time: Friday, 16 December 2016; 13:40 - 18:00
Session Number and Title: C35C: Geophysical and Geological Records of Glaciated Margins III Posters
Location: Moscone South
LARA PERÉZ
Abstract ID and Title: 121146: Interaction of Cryospheric and Oceanographic Processes Along the Central-East Greenland Margin
Presentation Type: Poster
Date and Time: Friday, 16 December 2016; 13:40 - 18:00
Session Number and Title: C53C: Geophysical and Geological Records of Glaciated Margins III Posters
Location: Moscone South; Poster Hall

KEVIN SCHIELE
Abstract ID and Title: 133396: Offshore-onshore correlations refining the glacial history of western Ireland
Final Paper Number: C51F-04
Presentation Type: Oral
Session Date and Time: Friday, 16 December 2016; 08:00 - 10:00
Presentation Length: 08:45 - 09:00
Session Number and Title: C51F: Geophysical and Geological Records of Glaciated Margins I
Location: Moscone West; 3009

KATHARINA STREUFF
Abstract ID and Title: 121201: Glacimarine Sedimentary Processes and Deposits at Fjord-Terminating Tidewater Glacier Margins
Presentation Type: Poster
Date and Time: Friday, 16 December 2016; 13:40 - 18:00
Session Number and Title: C53C: Geophysical and Geological Records of Glaciated Margins III Posters
Location: Moscone South; Poster Hall

KASPER WEILBACH
Abstract ID and Title: 156194: Dynamics, rate and nature of retreat of the British Irish Ice-Sheet offshore of NW Ireland following the Last Glacial Maximum
Presentation Type: Poster
Session Date and Time: Friday, 16 December 2016; 13:40 - 18:00
Session Number and Title: C53C: Geophysical and Geological Records of Glaciated Margins III Posters
Location: Moscone South; Poster Hall

LUKAS BECKER
Abstract ID and Title: 173228: Timing, variability and sediment provenance of the Norwegian Channel Ice Stream during the Last Glacial Maximum
Presentation Type: Poster
Session Date and Time: Monday, 12 December 2016; 13:40 - 18:00
Session Number and Title: C53C: Geophysical and Geological Records of Glaciated Margins III Posters
Location: Moscone South

BENEDICT REINARDY
Abstract Title: Repeated advance and retreat of the East Antarctic Ice Sheet on the continental shelf during the early Pliocene warm period
Presentation Type: Oral
Session date and Time: Wednesday, 14 December 2016; 13:40 - 15:40
Presentation Length: 13:55 - 14:10
Session Number and Title: C33D: Assessing the Stability of the Antarctic Ice Sheets and Their Contribution toward Global Sea Level I
Location: Moscone West; 3007
The work at University of Bergen and the hidden GLANAM associates

Hei. As you all know we have, here in Bergen, had quite a large group of PhDs and postdocs linked to the GLANAM-project; Benjamin, Lukas, Bjørn, Jens (now back at GEOMAR, Kiel) and Benedict (now at Stockholm University). In addition we have had through the GLANAM period many MSc-students working “undercover” on GLANAM-related research questions giving valuable additional information on fjords, the North Sea and the Norwegian margin. Here you will meet four of them: Ane, Espen, Einar and Sindre.

Einar finished his MSc in late September this year. He investigated the entire Quaternary package in the northern part of the Norwegian Channel utilizing 3D seismic data. He documented, for the first time (?), that we really have had an ice stream in the Norwegian Channel at 1.1 Ma years ago. He also suggests that we may not have had any ice stream in the channel at MIS12, which previously has been taken as the starting point of repeated ice stream activity along the entire Norwegian margin.

Espen, on the other hand, is going to finish his thesis in November and he is struggling at the moment with how the Ling Bank Drainage Channel (Sejrup et al., 2016) was formed (Fig.1). A nicely formed delta (with forset and topset), seen extremely well in one of our TOPAS high resolution seismic profiles, is part of this history.

Fig. 1. Espen explaining his interpretation of the Ling Bank Drainage Channel
Based on the work by Espen we now know where to go and collect additional data to unravel the complex setting of this drainage channel on our planned cruise in April 2017. Ane and Sindre have just started on their MSc-projects. Sindre will use 3D seismic data in the Norwegian sector of the North Sea to analyse tunnel valleys and their development. This study will be in collaboration with the University of Sheffield and Stephen Livingstone, whereas Ane will try to unravel the complex history of repeated mega-failures on the Norwegian margin, a continuation of the study Benjamin Bellwald started on.

I wish you all a nice autumn and good luck with finalizing your PhD-thesis!

Berit Hjelstuen

References