



Minutes from ASP monthly meeting

Date: 6 June 2023

Present: UM, AWI, AU, GINR, KU, DFO, UL

Absent: NTNU, UiT

Agenda

1. Follow up on ASP project “Linking atmosphere, ice, and ocean” (NOW2NEW)
 - Ice drilling – Müller & Hans Tausen icecaps (team: Bo (lead), Olaf, Maria, Fei)
 - Trans Polar Drift – Tara, St. Nord, Alert, Pearl, Svalbard (team: CJ (lead), Mathieu, Andreas)
 - Atmosphere, sea ice, ocean interactions (team: John (lead), Torsten, Philippe, Jens)
 - Overview – register projects, logistics, people, and metadata at Isaaffik Arctic Gateway. Mark with “ASP” tag (All teams)
2. Other updates from ASP partner institutions
3. Next Meeting

Minutes

Update NOW2NEW:

Ice drilling – Müller & Hans Tausen Icecaps

Dorthe has recently returned from Müller Icecap from fieldwork 8th-31st May. The field campaign was successful. Dorthe showed a PowerPoint.

Results:

- Based on AWI air born RES survey May 2023 ice thickness has been mapped.
- Surface RES survey May 2023 shows internal layers to the bed
- Cross lines reveal a good site with an ice thickness of 600 m
- Elevation 1850 m - few melt layers even with the 2 3 deg global warming
- Mean annual temperature of 21.1 deg C
- O18 and Mercury samples taken to determine annual accumulation and

impurity levels (U Manitoba). Our first guess is a annual accumulation of 25 cm of ice equivalent)

- Samples taken for diatoms (U Copenhagen)

No news from Hans Tausen Icecap according til Bo

Trans Polar Drift:

Søren, Egon and Peter have met with Tara on board in Aarhus Harbour. We are working on a plan to sail the Tara Polar Drift platform to South Greenland for testing in the winter of 2024-25.

Agenda for the Tara Polar Station: June 2022 Project's launch. Spring 2023 Beginning of construction. 3rd quarter 2024 End of construction. Winter 2024 Tests, optimization and training. Summer 2025 Departure of the 1st expedition aboard the Tara Polar Station

Four priority teams have been decided for the first expedition.

1. Monitoring
2. Life in a frozen ocean. Addressing sea ice at the smallest scale
3. Life under an ice-covered ocean
4. Atmosphere & biology

Many people involved. White paper planned to be published at the end of the year

Atmosphere, sea ice, ocean interactions:

Meetings with Alberta Group for work in the Grise Fjord area. Getting support letter from community. Getting ready for Amundson cruise.

VRS planning a larger fieldwork in the spring of 2024 with AWI. University of Lausanne. Black carbon, aerosol, etc.

Registering:

Remember to register projects in the Isaaffik <https://isaaffik.org/> . Mark each project an "ASP" tag from the "Topics" list.

Other updates from ASP partner institutions:

- Planning for 10 projects at the Qikiqtarjuaq station being developed. Possibility for corporation with other projects in the Baffin Bay area.
- DFO marine projects together with the government of Nunavut
- DFO planning research projects in the "last ice" area north of Canada-Greenland 2024-2029 (Christine Michel). Going out from Alert
- CEOS has a lot of projects in Baffin Bay this year (Zou Zou etc.)
- Fei is leading an MPRI Offshore Burning Experiment (MOBE): <https://www.cnlopb.ca/wp-content/uploads/sr/2021/mprimobe.pdf>
- Josephine Nymand has been appointed director of the Greenland Institute of Natural Resources (GINR), starting from 1st September 2023. Many congrats – Jose 😊
- North Atlantic research program – involving Greenland, Faroe Island and

Denmark – funded by Denmark

- Research ship “Tarajoq” has been on the annual survey cruise.
- Ice core project at the NEGIS ice stream has worked fine. Realistic to get to the bottom of the ice this year. About 80 meters above the bedrock now.
- Christine from NBI has got a grant from NOVO Nordic grants 39 Mkr for project regarding evolution of ice sheet.
- AWI deployment and maintenance in East Greenland (Angelika Humbert)
- Starlink is working excellent in Greenland now. Very good connectivity

Annual ASP meeting will be 28-29 February 2024 in Copenhagen at Bernstorff Castle ([https:// bernstorffslot.dk/](https://bernstorffslot.dk/)). Dorthe / Niels Bohr Institute will plan for the event.

Next meeting will be 4th July 2023.

Notes -
Peter