



## The logo for SCOPE, featuring the word "SCOPE" in large, bold, black letters, with a stylized mountain range and a sun or moon above it, all enclosed in a black outline.

3<sup>rd</sup> STUDENT-LED CONFERENCE ON POLAR ENVIRONMENTS

13-14 October 2023

# Program – Friday

- 9:00**     **SCOPE Opening**  
Lea Kneissle and Merle Scheiner
- 9:15**     **Conservation, Coexistence, Conflicts:  
People and Polar Bears on Svalbard**  
Ty Holtzman
- 9:35**     **Safety of vulnerable passengers in  
arctic cruise tourism**  
Johanna von Quistorp
- 9:55**     **Arctic Trash Monkeys**  
Science-class Svalbard Folkehøgskole
- 10:15 Break**
- 10:30**    **Keynote: Arctic Field Grant -  
Svalbard Science Forum**  
Lena Endresen
- 11:15**    **APECS Norway**  
Maaïke Weerdesteijn
- 11:30 Break**
- 11:45**    **Presentation about project groups  
vegetation Ny-Ålesund (upper and  
lower biomass)**  
Veronica Siede, Famke Vesters



**12:05 Seasonality of pelagic protist communities in the northern Barents Sea**

Lucie Goraguer

**12:25 *Lunch break***

**13:30 Keynote: Ilkka Matero – SIOS**

**14:15 *Break***

**14:30 NA**

Jonathan Kolar

**14:50 TERRA – Understanding climate, herbivore and belowground feedbacks**

Emelie Winqvist

**15:05 Effects of goose grubbing, rain-on-snow events and warming on soil invertebrates and plant matter decomposition**

Fredrik Andreas Selmer

**15:30 *Break***

**15:45 Keynote: Aleksandra Sikora - Svalbox**

**16:30 *Break***

**16:45 Effects of Snow and Warming on Vegetation Change in Endalen**

Merle A. Scheiner

**17:05 Group Photo**



## **17:30 Poster session:**

**Fine scale temporal analysis of habitat suitability of Svalbard Reindeer**

Barrett Zimmerman

**Temporal and spatial variability of planktonic communities around Svalbard fjords**

Lina Lettau,

**Hygroscopicity of Arctic aerosol**

Nele Eggers,

**Seasonality of pelagic protist communities in the northern Barents Sea**

Lucie Goragner,

**Thawing the Future: Investigating the Effects of Snow and Warming on Vegetation Change in the High Arctic**

Merle A. Scheiner

**Goose herbivory and strong winter rainfall limit plant uptake of permafrost N**

Emelie Winquist

**TERRA Effects of goose grubbing, rain-on-snow event and warming on soil invertebrates and plant matter decomposition**

Fredrik Andreas Selmer

**Geoeffectiveness of magnetosheath jets**

Eva Krämer

**Carbon dynamics following permafrost thaw gradient in a high latitude peatland environment**

Jakob Reif

## **19:00 Dinner**



# Program – Saturday

**9:00** opening

**9:15** **Geoeffectivness of magnetosheath jets**  
Eva Krämer

**9:35** **Seasonality of Arctic aerosol in the transition between Arctic haze to summer season derived by lidar**  
Nele Eggers

**9:55** **Gravity and magnetic survey**  
Tereza Mosociova

**10:15** **Coffee break**

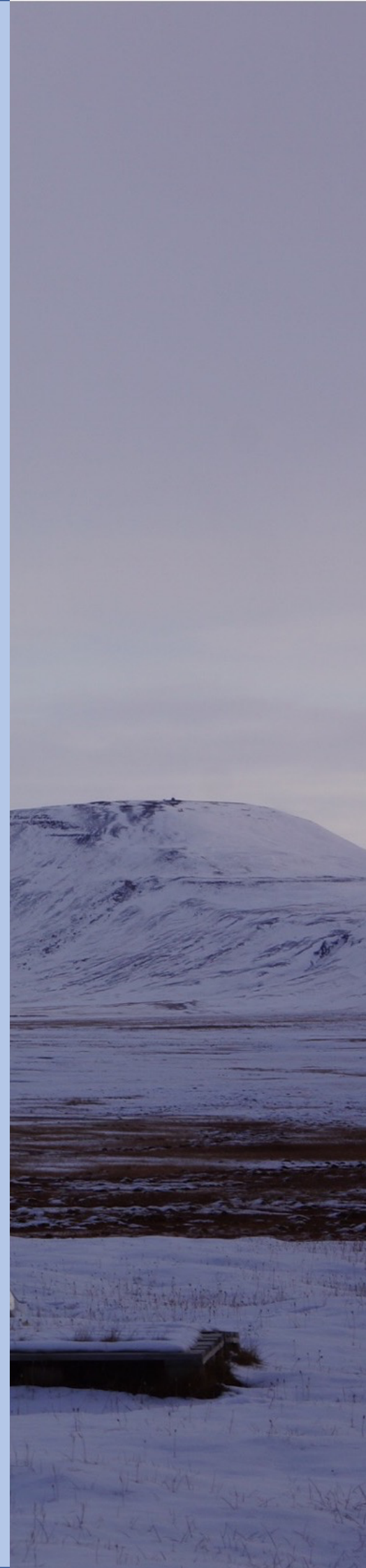
**10:30** **Keynote**  
Uli Neumann

**11:15** **Coffee Break**

**11:30** **Svalbard: soundscape and marine mammal community characterized through acoustic data (PAM)**  
Samuel M. Llobet

**12:50** **Optical and acoustic based sampling of zooplankton with autonomous vehicles - Challenges and future perspectives**  
Karoline Hokstad Barstein

**12:10** **Solar radiation around Longyearbyen: what does it tell us for solar energy production?**



Arthur Garreau

**12:20 lunch break**

**13:30 Field work year round**

Lea Anna Kneissle

**13:50 Using a Doppler Lidar to characterise  
Arctic valley winds**

Matthias Henkies

**14:10 Mapping renewable energy potential in  
Svalbard Jules Boulard**

**14:30 Coffee break**

**14:45 Grounding line migration based on  
satellite data and machine learning  
algorithms**

Michał Tympalski

**15:05 voting for Award**

**15:30 final thanks**

