



The word "SCOPE" in large, bold, black letters, with a stylized mountain range and a sun/moon symbol above it, all enclosed in a black outline.

3rd 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 Glaciers in Rindersbukta- An airborne study into surge initiation

Jonathan Kolar

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

Emelie Winquist

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 Geoeffectivness of magnetosheath jets

Eva Krämer



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

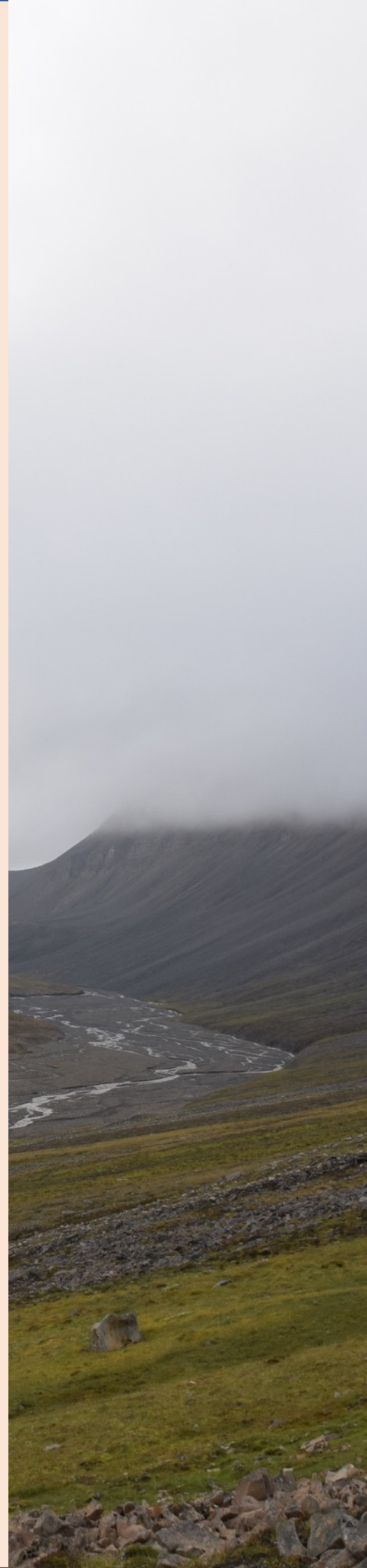
TERRA Effects of goose grubbing, rain-on-snow event sand warming on soil invertebrates and plant matter decomposition

Fredrik Andreas Selmer

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

Jakob Reif

19:00 Dinner



Program – Saturday

9:30 opening

9:45 Seasonality of Arctic aerosol in the transition between Arctic haze to summer season derived by lidar

Nele Eggers

10:05 Gravity and magnetic survey

Tereza Mosociova

10:25 Coffee break

10:35 Keynote

Uli Neumann

11:15 Coffee Break

11:30 Svalbard: soundscape and marine mammal community characterized through acoustic data (PAM)

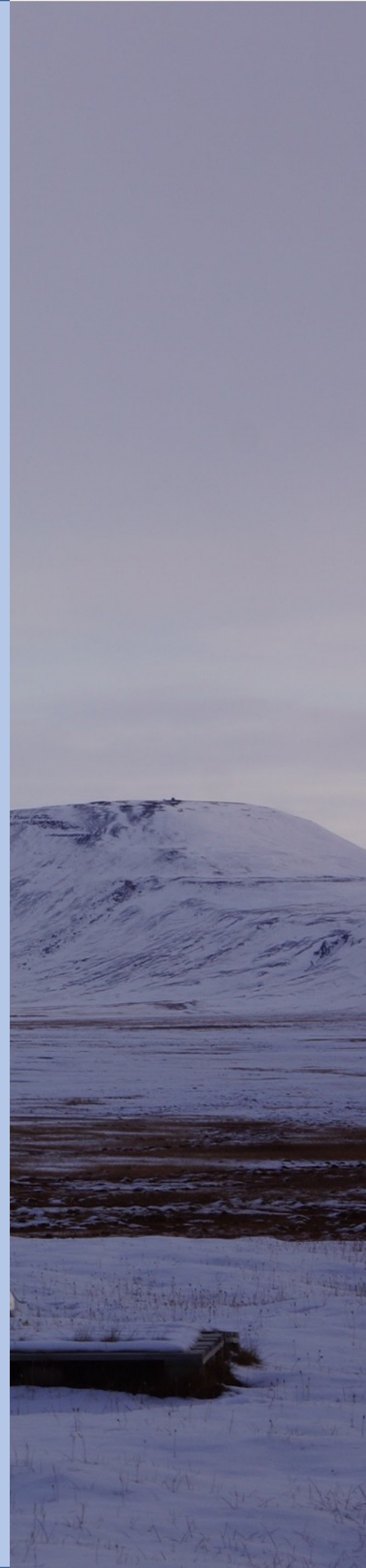
Samuel M. Llobet

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 The adventures of a master's thesis on
cryoconite and it's formation**

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 Effects of Snow and Warming on
Vegetation Change in Endalen**

Merle Scheiner

15:25 voting for Award

15:40 final thanks

