



# Snow research in Svalbard

## - a multidisciplinary SIOS workshop

1-3 & 5 February 2021

### PROGRAMME

Version 6 January 2021

**Monday, 1 February (9:00 – 13:00 CET)**

#### Drafting an agenda for the future of snow research in Svalbard

- Welcome and aim of the workshop
- Presentation of the current draft of an agenda paper for the future of snow research in Svalbard
  - Preliminary structure:
    - Introduction
    - Science knowledge gaps and needs
      - Snow physics
      - Snow cover and glacier mass balance
      - Snow cover, permafrost, and terrestrial ecology
      - Impacts, cycling and fate of contaminants in snow
      - Remote Sensing
      - Field data for modelling
    - Focal sites
    - Technology
    - Data Management
    - Final recommendation
- Breakout sessions to discuss the draft, add missing themes, etc.
- Presentation of potential focal sites for snow monitoring/research in Svalbard
- Breakout sessions to discuss which focal sites would be suitable and how such focal sites should be organised

## **Tuesday, 2 February (9:00 – 13:00 CET)**

### **Technology development**

- Science Community:
  - What kind of instruments and technological tools are needed?
  - What are the specific challenges for technology in Arctic conditions?
- Engineers and SMEs:
  - What technology does already exist, what can potentially be developed?
  - The economic perspective: What kind of technology would be marketable and would be profitable to produce?
- Breakout sessions to start a dialogue between the science community and engineers/SMEs
- Remote sensing technology and Earth observation of snow

## **Wednesday, 3 February (9:00 – 13:00 CET)**

### **Community based observations, data management and broader international cooperation**

- Presentations of potential collaboration partners in Longyearbyen
- Breakout sessions to discuss potential implementation of community-based observations
- Local initiatives and risk assessment measures in relation to snow
- Sharing knowledge on existing and future large international research initiatives and funding opportunities
- Data management as practical tool to write successful proposals
  - How to make a good data management plan?
  - A routine on how to correctly store and manage data

## **Thursday, 4 February: BREAK**

## **Friday, 5 February (9:00 – 11:30 CET)**

### **Writing sessions**

- Writing session in breakout rooms: Research agenda for the future of snow research in Svalbard
- Writing session in breakout rooms: Focal sites for snow monitoring and research in Svalbard