

## IASC – NAG online meeting 2022



Date: 25-Jan-2022  
Location: online (Zoom)  
Participants: 80-100

### Programme:

- 13:00 – 13:10: Welcome
- 13:10 – 13:40: Presentation Masashi Niwano - *Rainfall on the Greenland ice sheet: Present-day states estimated from a high-resolution non-hydrostatic polar regional climate model*
- 13:40 – 14:10: Presentation Carleen Tijm-Reijmer - *The impact from large to small scale atmospheric processes on the surface mass balance of snow and ice surfaces*
- 14:10 – 14:30: Coffee break
- 14:30 – 15:00: Presentation Jason Box - *The wetter Arctic*
- 15:00 – 16:00: Open forum

Recordings of the presentations are available on request.

### Open Forum Minutes:

#### **What happened since the previous meeting?**

- Feb-May 2021- website updates
- June-Aug 2021: preparation for Szczyrk meeting
- Sept 2021: announcement Szczyrk meeting
- Oct 2021: 2023 meeting from Hokkaido to Obergurgl
- Nov 2021: cancellation of Szczyrk meeting
  - Confirm Obergurgl meeting 2023
  - Invite speakers and announce online meeting
- Jan 2022: prepare funding application
  - Online meeting

#### **Review of IASC NAG Objectives**

- NAG promotes interdisciplinary research for better understanding of Arctic regions
- Promotes scientific activities at circumpolar and international level
- Supports early career Arctic scientists
- IASC Working Groups represent different areas of research
- NAG history:
  - Purpose is to address rapid changes in Arctic and international collaboration between glaciologists, atmospheric scientists, oceanographers and others. Website has been updated to reflect this
  - Develop understanding of Arctic land ice and its role in global climate and environmental change
- Annual workshop and meeting
  - 2-3d workshop on the dynamics and mass budget of Arctic glaciers/3h online meeting

- Open forum meeting
- Cross cutting activities usually included
- Objectives
  - Present and discuss new research
  - Ordinate field work
  - Future project ideas and collaboration
  - Networking opportunities especially for early career researchers
- Chair is still Ward van Pelt, Vice chair remains Wesley Van Wychen
- National contacts may change next year after moving to in person meetings
  - No suggestions for changes from audience today

### Upcoming meetings

- 2023 Jan 26-28: Obergurgl, Austria
  - Venue: University Centre
  - Local organizer: Jakob Abermann
- 2024/25: Three candidates:
  - **Hokkaido, Japan**
    - Organizers: Shin Sugiyama, Masashi Niwano...
    - Sapporo
    - Skiing near-by
  - **Obergurgl, Austria**
    - Organizers: Jakob Aberman
    - Venue: University Centre is already reserved for Jan 21-25 in 2024
    - Skiing also near-by
    - Austria is potentially easy access depending on your location
    - We must inform University Centre by end of 2022 as to whether we will keep the 2024 reservation
  - **Szczyrk, Poland**
    - Mariusz Grabiec (niv of Silesia), likely in Szczyrk
    - Has been 30 years since first meeting in Wisla, reasonable price, potentially easy access for some members
    - My wifi cut out for a minute here
    - (apologies for any misspelled names)
- Vote
  - Japan 45%
  - Poland 38%
  - Austria 17%
  - Ward suggests we could do Japan 2024 and Poland 2025.
  - Action: We will have a re-vote in the near future as some members were not able to attend today
  - Audience suggests variation in meeting locations to encourage more diverse contributions

## Meeting format Ideas

- Hybrid meeting ideas:
  - **Hybrid light**- physical meeting with recorded presentations that are made available after the meeting
  - **Hybrid medium**: physical meeting with live streamed presentations
  - **Hybrid plus**: physical meeting with live streaming and digital contributions (virtual poster session)
  - **Last year**: hybrid medium was preferred
  - **Next year**: Obergurgl Austria can offer all of the above for free
  - **Ideas for next year's format**: could combine hybrid light and medium
  - **Vote for next year's format**:
    - Hybrid Light: 7%
    - Hybrid Medium: 61%
    - Hybrid Plus: 25%
    - Traditional physical meeting without hybrid: 7%

## Backup plan

- Need contingency plan if can't have a physical meeting
  - Options: no meeting
  - Short online meeting like today
  - Full online meeting (2-3d)
  - Vote:
    - No meeting: 0%
    - Short online meeting like today: 71%
    - Full online meeting (2-3d): 29%

## Cross cutting activity and funding

- In 2020 the IASC proposal on glacier-atmosphere interactions to IASC was funded. The activity never took place and funding expires now
- Action: IASC secretary suggests to submit a similar proposal in the new round with due date Jan 31
- Involves the IASC Atmosphere and Cryosphere WGs
  - CWG: supported by Mariusz Grabiec, Wolfgang Schonert, Shaewn Marshall
  - AWG: supported by Nina Petersen, Ewa Lupikasza, Jens Hesselbjerg, Thomas Kuhn (apologies for any misspelled names)
  - Funding amount: 10,000 euro (3000e for logistics, 7000e for early career researchers)
  - Implemented as presentation and discussion sessions in Obergurgl, 2023
- Themes in glacier atmosphere interactions
  1. Atmospheric circulation patterns and the impact on Arctic land-ice mass budget
    - Air circulation could affect temperature, glacier mass budget, black carbon deposition
  2. Precipitation and snow fall in the Arctic- observing and modelling
  3. Coupling of glaciers and atmosphere in general circulation models (GCMs), regional climate models (RCMs) and earth system models (ESMs)

- No opposition from audience on these themes.
- Suggestion to specify that glacier dynamic responses will also be examined- one of the weak points of ESMs which don't account for glacier dynamics
- Action: We are looking for how to promote this, especially to atmospheric scientists and those who have some connection to glaciology.
  - Audience suggests advertising on ClimList, Atmospheric Working Group

### **Website**

- Nag.iasc/info
- Recent changes:
  - Remove broken links, fix typos
  - Add recent developments ("About")
  - Turned the "Date" page into a link in Activities > Projects > MAGICs
  - Add report of 2021 online meeting ("Publications")
  - Add recent cross cutting activity proposals ("Publications")
- Last year the idea to put a news section on the website was dismissed. Other ways to advertise the NAG and its activities?
  - Earlier (pre-summer) announcement on Cryolist?
  - Newsletter for NAG enthusiasts (previous participants)?
  - Audience suggests spring announcement

### **Other activities**

- Interdisciplinary Polar Studies (IPS-2022) modular meetings in Svalbard- for early career researchers
  - Arctic Amplification - Glaciers - Environment
  - Includes field workshops
- Discount for submitting papers to Remote Sensing journal for members of NAG