

SAC update and EISCAT Norway Time Allocation

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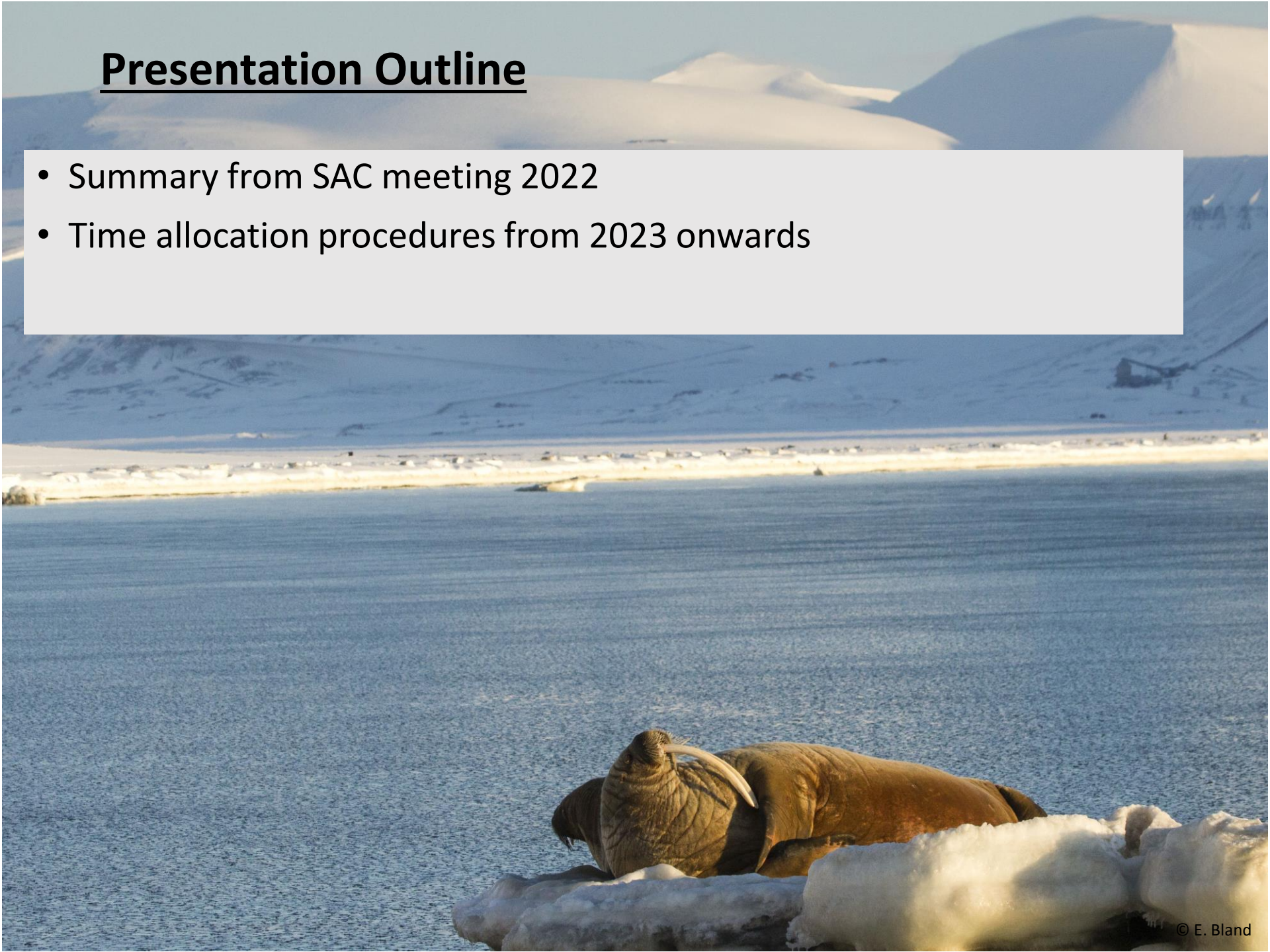
EISCAT-3D Norway Meeting

November 2022



Presentation Outline

- Summary from SAC meeting 2022
- Time allocation procedures from 2023 onwards



Summary from SAC Meeting – August 2022

- EISCAT Svalbard Radar – repairs being done to the 32m (hopefully will be moveable by February 2023)
- SAC will recommend EISCAT devotes time to ensure there is a simple analysis package up and running for E-3D data.
- EISCAT Symposium 2024 – will be in Tromsø. Discussion regarding special issue from that meeting to provide first light science papers.
- Ideas for new CP mode for EISCAT-3D:
 - SAC will recommend EISCAT starts with a simple, field aligned mode from switch on, complemented by a few pointing directions.
- Review of satellite missions which currently receive ground support from EISCAT:
 - ARASE
 - Swarm
- New missions which could submit white paper to EISCAT for ground support (system will probably continue with E-3D):
 - EZIE (launch 2024?) – discussions ongoing with mission PI and Co-Is
 - SMILE (launch 2024?)
- Future of Heating – SAC has talked to members of the Heating community to take this up.
- Future of EISCAT Svalbard Radar – see next slide

Future of ISR on Svalbard

- Current ESR has been operational since mid-90s.
- Lifespan until ~2030 (hardware, barring any major faults)
- NFR funding granted for small workshop held in November 2021 to put together a white paper for a **science case** for continued ISR on Svalbard.
 - Space and Atmospheric Physics on Svalbard: A case for continued incoherent scatter radar measurements under the cusp and in the polar cap boundary region
- 8 Attendees: Representatives from UiO, UiT, UiB and UNIS
- Submitted to journal: Progress in Earth and Planetary Science and copy given to EISCAT



Applying for Experimental Time on the Radars

- Currently done on an 'ad-hoc' basis
- Move to a more structured system from 2023 onwards.

Two 'set' deadlines per year:

- **First deadline of 1st Feb** for all applications for the following 12 months (ie. 1st Feb 2023 for all applications from 1st April 2023 – 31st March 2024).(70% of the Norway time will be available here)
- A second follow up deadline of **14th September** for the remainder of the time period (ie. 1st November 2023 – 31st March 2024).
(30% of Norway time will be available here)
- 30% of total time Norwegian will be reserved for 'trigger modes' on EISCAT-3D – open for all Norwegian researchers
- Ad-hoc applications will still be accepted.



Applying for Experimental Time on the Radars

- Norwegian Research Council provides direct funding
- Scheduling procedure:
 1. Request time from allocation representative (~250 hours per year):
 - lisab@unis.no
 2. Request time directly from EISCAT PP scheme (~200 hours per year):
 - www.eiscat.se
- Don't necessarily have to travel to the radar site
- Once time is approved, fill in online schedule request with EISCAT by **10th of the preceding month**
- Help is available with operating modes etc.



A photograph of a walrus resting on a piece of ice in the foreground. The walrus is brown with a prominent white tusk. The background features a vast, icy landscape with snow-covered mountains and a body of water. The text "Thank you" is overlaid on the image.

Thank you