



## Introduction from the SCAR Secretariat

Welcome to our July newsletter!

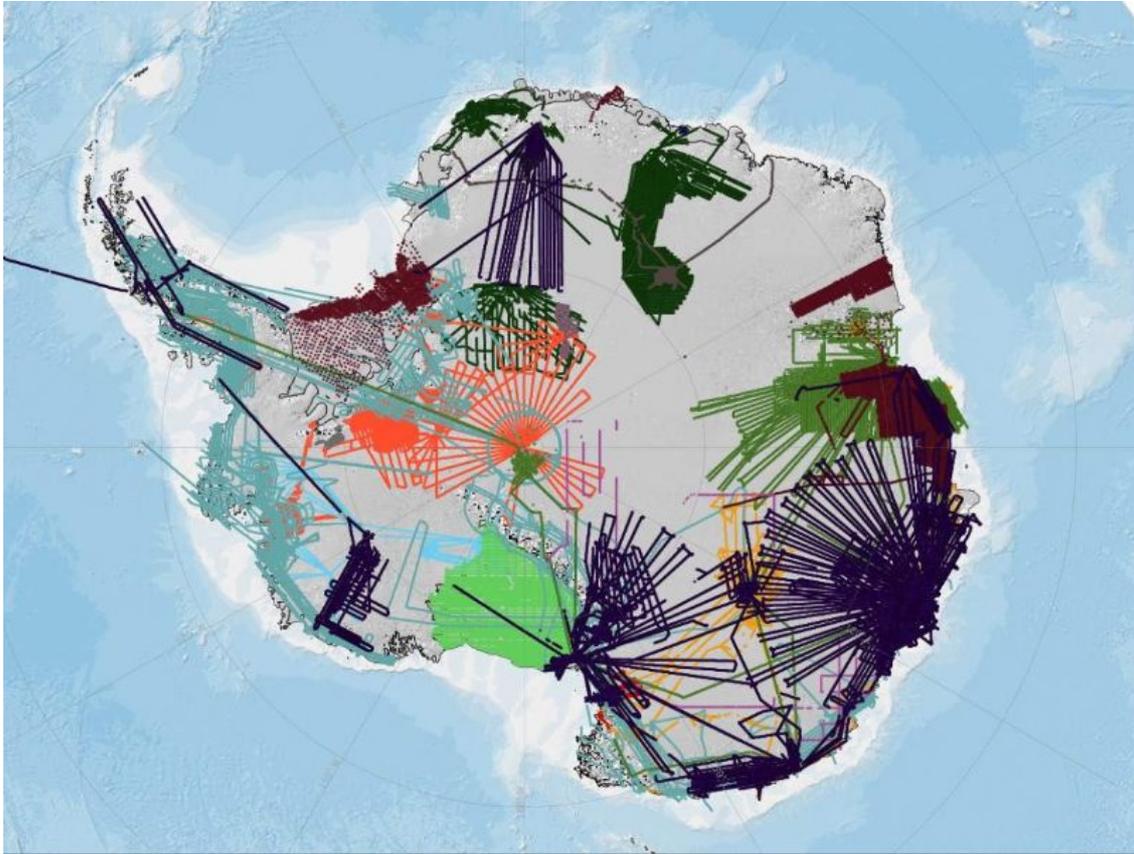
We are delighted to share the exciting news that [Bedmap3 has been released earlier this month](#)! Bedmap3 is a groundbreaking dataset unlocking 60 years of Antarctic ice bed, surface and thickness data. Supported by SCAR, Bedmap3 is the result of a collaborative effort involving more than 50 institutions and scientists across 18 countries. Bedmap3 represents a major step forward in research and predictions regarding Antarctica's contribution to sea level rise and is freely available.

Efforts are well underway towards the 2024 SCAR Open Science Conference in Pucón, Chile. Mark your calendars for the event scheduled from 19th to 23rd August 2024, with the theme "Antarctic Science: Crossroads for a New Hope." The [draft parallel session list](#) is now open for comments and invite you to put yourself forward as one of the (co-)convenors or share your suggestions. We're looking forward to your [feedback](#) by Monday, 28 August 2023.

We're reaching some exciting milestones in the SCAR calendar this month. The deadline for our ECR [Fellowship scheme](#) is rapidly approaching on 31st July, so be sure to submit your application promptly if you wish to be considered for the 2023 scheme. For those of you in later stages of your career, the [SCAR Visiting Scholar](#) scheme is also open for applications. Don't miss the opportunity to take advantage of this program. To gain some insights into the experiences of a Visiting Scholar, take a moment to read the [report](#) of Dr. Silvia Olmastroni, who was hosted by the Australian Antarctic Division.

Also included in this newsletter is a selection of opportunities, events, and publications from the SCAR community and beyond. If you've got something you'd like us to include, please get in touch at [info@scar.org](mailto:info@scar.org) - we're always happy to hear from you!

## Featured News



### **Bedmap3 unlocks 60 years of ice bed, surface and thickness data**

In a groundbreaking achievement for Antarctic research, detailed and extensive information on ice thickness and bed topography is now available for the first time in a centralized and standardized format. Bedmap3, supported by SCAR, marks a significant milestone in glaciology and geophysics. It builds upon the success of its predecessors, Bedmap and Bedmap2, which have provided widely used maps and databases of ice thickness and bed topography, contributing to advancements in international glaciology and geophysical studies.

Bedmap3 represents a major step forward in research and predictions regarding Antarctica's contribution to sea level rise. Its comprehensive dataset, [freely accessible to researchers](#), will aid in developing more accurate models and inform policy-makers in climate change strategies and mitigating the impact of rising oceans.

[Find out more](#)

## SCAR News



### 2024 SCAR OSC draft parallel session list open for comment

The SCAR Open Science Conference 2024 “Antarctic Science: Crossroads for a New Hope” will be held in Pucón, Chile from 19-23 August 2024. [The draft list of parallel sessions](#) is now available for comment, and we [invite your feedback](#) by 28 August 2023 - Put your name forward as a (co-)convenor to one of the sessions, suggest revisions or send us a general comment.

### Dr Silvia Olmastroni reports on her SCAR Visiting Scholarship

SCAR is delighted to present the [Visiting Scholar Report](#) authored by Dr Silvia Olmastroni, researcher at the University of Siena, Italy. Dr Olmastroni's Visiting Scholarship was hosted by the Australian Antarctic Division (AAD), with support from Dr Louise Emmerson. The main objective of Dr Olmastroni's Visiting Scholarship was to foster collaboration between the Italian and Australian penguin monitoring programs.



### 2023 SCAR Fellowships Scheme

A reminder that the application deadline for the 2023 [SCAR Fellowship Scheme](#) is the **31 July 2023**. The scheme is open to PhD students, or those within five years of having completed a PhD.

We have compiled a list of [frequently asked questions](#) on our website, where you can also find an overview of [past and present SCAR Fellows](#).

## Gender equality and beyond in the polar sciences webinar

Earlier this month the SCAR EDI AG organised a webinar as part of the Standing Committee for Gender Equality in Science ([SCGES](#)) series of webinars, on the topic of "Gender equality and beyond in the polar sciences". The webinar provided insights into the barriers faced by women and other marginalised groups from four different perspectives within polar research. The recorded webinar can be watched on [YouTube](#).



## Community News

### News from the SCAR community and wider research community.

- The 36th Forum for Research into Ice Shelf Processes (FRISP 2023) was held in Norway in June 2023. The [meeting report](#) is now available from our website.
- The UK Polar Network is organising a workshop on personal hygiene during remote fieldwork, focusing on menstrual health and sanitation. They are currently crowd-sourcing advice for inclusion in the workshop via an [anonymous survey](#).

### Publications from the SCAR and wider research community

- A new paper has been published contributing to the SCAR Antarctic Volcanism ([AntVolc](#)) Expert Group. The paper, titled "The 1821 eruption of Bridgeman Island, South Shetland Islands, Antarctica: an observed Capelinhos-style hydrovolcanic event", has been published in [Antarctic Science](#).
- 'Modified Circumpolar Deep Water inflow to the Dotson- Getz Trough in the summers of 2020 and 2022' published in [Advances in Polar Science](#)
- 'Strategies to build a positive and inclusive Antarctic field work environment' published in [Annals of Glaciology](#)
- 'Optimising remote health care delivery in Antarctica: a review of the current capabilities utilised in the British Antarctic Territory' published in the [International Journal of Circumpolar Health](#)

- 'New insights into the diversity and ecology of benthic hydroids (Cnidaria, Hyrozoa) from the Ross Sea (Antarctica)' published in [Polar Biology](#)

## Events

### Upcoming events from SCAR, the SCAR community and wider research community

- The [XIII SCAR Biology Symposium](#) will be held in Christchurch, New Zealand (**31 July-4 August 2023**). We wish everyone attending a successful symposium!
- A [Biodiversity.aq / SOOS EG-ABI Essential Variables Workshop](#) will be held **10-11 August 2023**. [Register here](#) if you'd like to participate remotely.
- The [SOOS Symposium "Southern Ocean in a changing world"](#) will be held in Hobart, Australia from **14-18 August 2023**. Registration is still open. A range of online initiatives will be available for those unable to attend in-person.
- The [SCAR INSTANT Conference](#) will take place in Trieste, Italy from **11-14 September 2023**. The organisers recently announced a range of side meetings and of activities tailored to ECRs.
- [The Polar Science, Technology, Archaeology and Heritage Conference](#) will be held on **14 and 15 September 2023**. The conference will be based in Christchurch, Aotearoa New Zealand, with an online attendance option. Registration deadline **14 August 2023**.
- The [Polar Data Forum V](#) is going to be held from **30 October- 3 November 2023** at the British Antarctic Survey, UK, and online. Registration is now open and there is no fee for attending.
- [The Southern Ocean Summer School 2024](#) will take place from **7-14 May 2024** in Corsica, at the [Institut d'Etudes Scientifiques de Cargèse \(IESC\)](#). The school aims to provide a comprehensive overview of the challenges faced by Southern Ocean science. The registration deadline is 31 October 2023.

## Opportunities

### Opportunities from the SCAR Community and wider research community

- The Polar Geospatial Center (PGC) at the University of Minnesota, Twin Cities is seeking a [Geospatial Developer](#) to join the Products & Data team. **Position open until filled.**
- The British Antarctic Survey is seeking a [Polar Climatologist](#) in the Atmosphere, Ice and Climate team. Deadline **6 August 2023.**
- The Canadian Center of Climate Modelling is seeking a [Climate research scientist](#). Deadline **15 August 2023.**
- The Center for Marine Environmental Sciences at the University of Bremen is offering a position for a [Postdoctoral Researcher in ice-sheet modelling](#) in the project "PalMod - From the Last Interglacial to the Anthropocene", Deadline **15 August 2023.**
- The Antarctic Research Centre at Victoria University of Wellington, NZ, together with the Centre for Data Science and Artificial Intelligence, invite applications for a new fully-funded 3-year [Research Fellowship to develop AI and machine learning techniques](#) to help the ARC achieve its goals by undertaking statistical projections of future ice sheet and ocean change. Deadline **1 September 2023.**
- The University of Tasmania is [currently advertising multiple PhD places](#) with Antarctic themes, including:
  - "[The changing shape of Antarctica](#): GPS measurement of deformation of East Antarctica". Deadline **25 September 2023**
  - "[Antarctic Oceanography in the warm past](#)". Deadline **25 September 2023**
  - "[Open mixing under Antarctic sea ice](#)". Deadline **1 November 2023.**

## Image of the Month



In celebration of the [XIII SCAR Biology Symposium](#) commencing today in Christchurch, New Zealand, our image of the month pays tribute to the magnificent Antarctic wildlife. We hope all attendees have a wonderful time exchanging ideas, networking and presenting their latest research.

*Do you have any impressions you'd like to share with us?*

We love seeing photos from SCAR scientists so get in touch at [info@scar.org](mailto:info@scar.org) if you'd like to share yours!



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