



Introduction from the SCAR Secretariat

Welcome to our May newsletter!

The 45th Antarctic Treaty Consultative meeting ([ATCM](#)) and the 25th meeting of the Committee on Environmental Protection (CEP) are currently underway in Helsinki, Finland. The SCAR Delegation is attending the meetings as an Observer and plays an important role in providing scientific advice to inform discussions. This year's SCAR Lecture at the ATCM was given by [Prof Heather Lynch](#) on "Satellite-based science and the changing nature of 'Antarctic exploration'".

In other exciting news, we are thrilled to announce the release of [GeoMAP Antarctica](#), the first-ever open-access and comprehensive geological mapping database of the continent. This is the result of a large, long-term international effort led out of SCAR by GNS Science in New Zealand, and we were delighted to see it published in *Nature Scientific Data* earlier this month.

SCAR is delighted to announce the arrival of its new [Administrative Assistant](#), Hayley Westlake, who is joining the secretariat in Cambridge, UK. Hayley will play a critical role in ensuring the smooth functioning of SCAR's administrative processes. Please join us in welcoming her to the team!

Also featured in this newsletter, is the AGATA Programme Planning Group [kick-off meeting](#) in July, a Portuguese [webinar recording](#) on the SCAR Fellowships and an impressive list of new publications both from the SCAR and wider research community. Make sure to read the latest articles on [plastics in Antarctica](#), priority actions and challenges in [persistent organic pollutants](#), a [conference report](#) on the 10th SCAR Open Science Conference and more.

As always, please [get in touch](#) with us if you'd like to share your news, images or opportunities with us for next month's edition.

Featured News



New map unlocks deep digital data of Antarctica's history

We are proud to announce documentation of the first open-access and comprehensive geological mapping database of Antarctica, [GeoMAP Antarctica](#), was released today in [Nature Scientific Data](#).

Understanding Antarctica's geosphere is, and has been, critical for understanding the continent's major role in global climate - and thus, our future. Today, GeoMAP stands as the world's first, and only, open-access resource that provides this detailed geological account of what we know about the frozen continent, all in one place.

[Constructing GeoMAP](#) was a large, and long-term, international effort led out of SCAR by [GNS Science in New Zealand](#). The project involved principal collaborators from USA, Norway, Italy, UK, Australia, Russia and New Zealand, and contributions from at least 14 nations.

[Find out more about GeoMAP](#)

SCAR News

SCAR welcomes new Administrative Assistant

SCAR is delighted to welcome Hayley Westlake as the new [SCAR Administrative Assistant](#). Hayley brings a wealth of experience and skills to her new role as the Administrative Assistant and has joined the secretariat in Cambridge in May. We extend a warm welcome to Hayley and wish her great success in her new role.



AGATA Programme Planning Group Kick-off meeting

The kickoff meeting (KOM) of SCAR's [AGATA Programme Planning Group](#) will be held on 12 July 2023 from 12:00 to 13:30 CEST as a side event of the [IUGG General Assembly](#), offering online attendance.

Webinar on SCAR Fellowships 2023 in Portuguese

SCAR, APECS Portugal and APECS Brazil have hosted another webinar on the [SCAR Fellowships in Portuguese](#). Applicants may also find the [SCAR-COMNAP-APECS webinar](#) on preparing Fellowship applications in [English](#) and [Spanish](#), and a SCAR Fellowships webinar in [German](#) useful.

The deadline for the [2023 SCAR Fellowship scheme](#) is 31 July 2023.



Community News

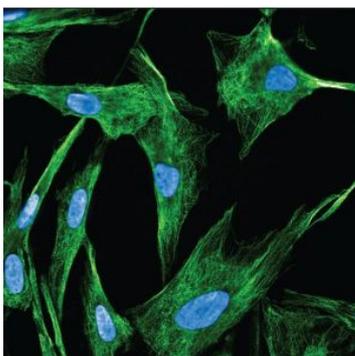
News from the SCAR community and wider research community.

- The European Polar Board has released a [Synthesis Report on the Environmental Impacts of Research and Logistics in the Polar Regions](#),

detailing the potential environmental impacts of polar research and offers many best practices on how to minimise potential impacts.

- SOOS is calling for enthusiastic professionals to be part of various [SOOS leadership teams and working groups](#).
- [Call for papers](#) for a Special Issue of *Advances in Polar Science* titled "Past and Present Climatic change in Antarctica".
- At the recent 2023 SCOR Annual Meeting twelve working group proposals were submitted for consideration. These proposals are now available from the [SCOR website](#) for review.
- Congratulations to Kate Blackwell who has just been awarded a Fulbright Research Award to work at the Norwegian Institute for Nature Research with Dr. Arnaud Tarroux to establish an [Antarctic petrel genomics reference collection](#).
- **Rare opportunity: Polar Library Collection available**
A Polar geosciences researcher is offering his entire professional/personal Polar Library Collection (PLC) acquired over the past 40 years. The collection is 80-90% Antarctic region materials in 22 subject categories (eg exploration, history, politics, environment, maritime, geosciences, etc) with about 1700 titles. The PLC is available for sale or donation to a certified library(s). For further details, contact Dr. [Alan Cooper \(USA\)](#).

Publications from the SCAR and wider research community



The SCAR Input Pathways of Persistent Organic Pollutants to Antarctica ([ImPACT](#)) Action Group has published [a horizon scan of priority actions and challenges in Persistent Organic Pollutant monitoring](#), identifying priority research gaps, and providing recommendations for Antarctic Treaty Parties on taking strategic action.

The article '[Plastic at the end of the earth](#)' was recently published for the International Science Council. It highlights the work of the SCAR [PLASTIC-AG](#) and stresses its ongoing commitment to build common frameworks and strategies for managing plastic waste.





Our [conference report](#) on the 10th SCAR Open Science Conference and XXXVII SCAR Delegates' Meeting has been published in *The Polar Journal*.

- 'Climate-controlled submarine landslides on the Antarctic continental margin', published in [Nature Communications](#).
- 'The Paris Agreement and Climate Justice: Inequitable Impacts of Sea Level Rise Associated With Temperature Targets', published in [Earth's Future](#).
- 'The sub-Antarctic islands are increasingly warming in the 21st century', published in [Antarctic Science](#).
- 'Psychological adaptation in Antarctica amidst the COVID-19 pandemic', published in [The Polar Journal](#).
- 'Quantifying dissolution rates of Antarctic icebergs in open water', published in [Annals of Glaciology](#).
- 'A broadscale shift in Antarctic temperature trends', published in [Climate Dynamics](#).
- 'Effects of Sea-Ice Persistence on the Diet of Adélie Penguin (*Pygoscelis adeliae*) Chicks and the Trophic Differences between Chicks and Adults in the Ross Sea, Antarctica', published in [Biology](#).

Events

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

- The [2023 SC-HASS Biennial Conference](#) 'The Antarctic for a Better World' will take place in Lisbon, Portugal from **22-24 June 2023**.
- The [28th Assembly of the International Union of Geodesy and Geophysics](#) (IUGG) will be hosted in Berlin, Germany from **11-20 July 2023**.
- The [XIII SCAR Biology Symposium](#) will be held in Christchurch, New Zealand (**31 July-4 August 2023**). Registration is now open.

- The [SOOS Symposium "Southern Ocean in a changing world"](#) will be held in Hobart, Australia from **14-18 August 2023**. Registration is now open.
- The [SCAR INSTANT Conference](#) will take place in Trieste, Italy from **11-14 September 2023**. Early bird registration closes 5 June, the regular registration deadline is **3 July 2023**.
- [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 abstract submission deadline is **14 June 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.

Opportunities

Opportunities from the SCAR Community and wider research community

- [Research Associate Magnetotelluric Geophysics](#) at the Australian Centre for Excellence in Antarctic Science (ACEAS), University of Tasmania. Deadline **11 June 2023**.
- The Institute for Marine and Antarctic Studies has two postdoctoral vacancies in Antarctic ice sheet research. [Vacancy 1](#): Ice sheet modelling and data science (Deadline **26 June 2023**). [Vacancy 2](#): Paleo ice sheet modeller (Deadline **27 June 2023**).
- The San José State University Research Foundation is recruiting a [Postdoctoral Researcher](#) on a National Science Foundation funded project: foraging ecology and physiology of emperor penguins in the Ross Sea (Moss Landing Marine Laboratories (MLML)). Deadline **29 June 2023**.

Image of the Month



Our image of the month comes from the [recently-published paper](#) from our ImPACT Action Group. Copyright © 2023 Bengtson Nash et al.. Published by Elsevier Ltd under the [CC BY-NC-ND 4.0 license](#).

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 if you'd like to share yours!



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