



## Introduction from the SCAR Secretariat

Welcome to our June newsletter!

Earlier this month polar scientists made [a call for urgent intensification of national and international research](#) in the polar regions due to the rapid changes occurring in the Arctic and Antarctica. The call came from polar scientists attending the annual meetings of the [Scientific Committee on Antarctic Research/Climate and Cryosphere Sea ice Working Group](#) and the [Arctic Sea Ice Working Group](#), which coincided with the Antarctic Treaty Consultative Meeting.

The [45th Antarctic Treaty Consultative Meeting \(ATCM\)](#) and 25th Meeting of the Committee on Environmental Protection (CEP) concluded in Helsinki, Finland, earlier this month. This year's SCAR lecture was delivered by Dr Heather Lynch on satellite-based science and the changing nature of Antarctic exploration. Additionally, Prof Steven L Chown presented an update on the Antarctic Climate Change and the Environment Decadal Synopsis during a joint ATCM/CEP session on Climate Change. You can access both lectures in our [SCAR library](#).

Applications for [the 2023 SCAR Visiting Scholar scheme](#) are now open! Designed for mid- to late-career scholars, this program is part of SCAR's capacity building efforts and offers an opportunity for a short visit to an institute(s) in a SCAR member country. We are looking forward to receiving your applications by 30 August. This newsletter also features a [report from Dr Ted Scambos](#), a SCAR Visiting Scholar who recently visited Argentina as part of the programme. For those of you earlier in your career, don't forget that the application deadline for the [2023 SCAR Fellowships](#) is 31 July 2023.

We are pleased to announce that SCAR will be hosting [a new Decade Collaborative Centre for the Southern Ocean Region](#). The centre will be key in coordinating international efforts to protect and conserve the Southern Ocean.

Additionally, we are delighted to provide the recording of [a side-event co-organised by SCAR](#), which was held at the UNFCCC World Climate Conference in Bonn, Germany.

In honour of [World Albatross Day](#) this month, we highlighted the resources available through the Antarctic Environment Portal and IMPACT Action Group. Moreover, you will find our usual selection of community news, events, and opportunities. [Get in touch](#) with us if you'd like to share your news, images or opportunities with us for next month's edition.

We hope that all members of our community currently over-wintering in Antarctica had a delightful Midwinter celebration!

With best wishes,  
*The SCAR Secretariat*

## Featured News

**CALL TO URGENT ACTION**

Intensification of national and international research and observational capabilities in view of rapid Arctic and Antarctic change

**SCAR**  
INTERNATIONAL SCIENCE COUNCIL ON ANTARCTIC RESEARCH  
SCIENTIFIC COMMITTEE ON ANTARCTIC RESEARCH

**CLIC**  
Climate and Cryosphere

**WCRP**  
World Climate Research Programme

**ASPeCt**  
Antarctic Sea Ice Processes & Climate

**ASIWG**  
CLIC Arctic Sea Ice Working Group

### **Polar scientists call for urgent action in view of rapid Arctic and Antarctic change**

Polar scientists are calling for an urgent intensification of national and international research and observational capabilities in view of rapid Arctic and Antarctic change.

More than 60 experts from 41 institutions and 14 countries attended the annual meetings of the [Scientific Committee on Antarctic Research/Climate and Cryosphere Sea ice Working Group](#) and the [Arctic Sea Ice Working Group](#) after a 4 year COVID-19 hiatus. The polar scientists called for sustained long-term

observatories and research to fill the information gaps in both polar sea-ice zones. Multi-national design and coordination are required to optimise field observations and research synthesis, as well as to deliver robust and impactful outcomes.

[Find out more](#)

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## SCAR News



### SCAR Visiting Scholar Applications Open

We are pleased to announce that [applications are now open for the 2023 SCAR Visiting Scholarships Scheme](#). **The deadline is Wednesday 30 August.** SCAR Visiting Scholarships are for mid- to late-career stage scientists and academics who are involved in Antarctic research, providing the opportunity for them to undertake a short-term visit (1 to 4 weeks) to an institute(s) in another SCAR member country, to provide training and mentoring. We welcome applications for virtual visits.

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### SCAR to host new Decade Collaborative Centre

[SCAR will host](#) a new Decade Collaborative Centre for the Southern Ocean Region (DCC-SOR), joining the global ecosystem of the United Nations Decade of Ocean Science for Sustainable Development 2021-2030 (the 'Ocean Decade'). The DCC-SOR will be key in coordinating international efforts to protect and conserve the Southern Ocean. SCAR is a long-standing partner of UNECSO's Intergovernmental Oceanographic Commission.





## SCAR attends ATCM/CEP meetings in Helsinki

From 28 May to 8 June, Finland hosted the [XLV Antarctic Treaty Consultative Meeting \(ATCM\)](#), as well as the XXV meeting of the Committee for Environmental Protection (CEP). The [Helsinki Declaration on Climate Change](#) in the Antarctic was adopted on the last day of the meeting. The [SCAR lecture](#) was presented by Dr Heather Lynch. Prof Steven L Chown gave an [update](#) on the Antarctic Climate Change and the Environment Decadal Synopsis.

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### Dr Ted Scambos reports on his Visiting Scholarship

SCAR is pleased to share the [Visiting Scholar report](#) by Dr Ted Scambos. His Visiting Scholarship was hosted by the Instituto Antártico Argentino (IAA), Argentina, supported by Sebastián Marinsek. Dr Scambos' visit was to prepare for potential field work in the Larsen B embayment region, focusing on analysing calving styles, monitoring elevation and ice flow velocity changes, and assessing present-day ocean properties adjacent to the glaciers.



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### SCAR co-organises UNFCCC SB58 side event, 8th June

SCAR, ICCI and ICIMOD [hosted a side event](#) at the UNFCCC World Climate Conference SB58 in Bonn, Germany, titled "Loss of Mountain Water Resources and Sea-level Rise: Why 2°C is Too High for 3.5 Billion". [The event was livestreamed and can be watched online.](#)

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## Community News

News from the SCAR community and wider research community.

- On 19 June the third [World Albatross Day](#) was celebrated online around the globe. This year's theme was "Plastic Pollution" following "Climate Change" (2022), "Ensuring Albatross-friendly Fisheries" (2021), "Eradicating Island Pests" (2020). SCAR has published on the issue of POPs, plastics and seabirds in the past. Additionally, the ImPACT Action Group aims to facilitate coordinated investigation of chemical input to the Antarctic region. You can find [resources on these issues on our website](#).
- [Report on the March 2023 meeting](#) of the [SCAR Krill Expert Group](#). The workshop was the latest update under a [broader krill work program](#) that was agreed upon in 2019 by members of the Commission for the Conservation of Antarctic Marine Living Resources (CCAMLR), the decision-making body that manages the Southern Ocean.

## Publications from the SCAR and wider research community

- 'First observations of Weddell seals foraging in sponges in Erebus Bay, Antarctica' published in [Polar Biology](#).
- 'Microplastics Records from the Southern Ocean Sediments' published in [Soil and Sediment Contamination](#).
- 'Wind- and Sea-ice-driven interannual variability of Antarctic bottom water formation' published in [JGR Oceans](#).
- 'Physical-biological drivers modulating phytoplankton seasonal succession along the Northern Antarctic Peninsula', published in [Environmental Research](#).
- Coverage of call for urgent action on polar research by UN News: ['Polar Scientists call for more research and observation into rapid sea ice reduction'](#).
- 'Antarctic Tipping points: the irreversible changes to come if we fail to keep warming below 2°C', published in [The Conversation](#) by SCAR INSTANT Joint Chief Officer, Professor Tim Naish.
- [Article by the WWF on the importance of Antarctic krill](#): 'Antarctic krill: powering baleen whales in the Southern hemisphere'.

## Events

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

- The [2023 Glacial Isostatic Adjustment Training School](#) will be held in person in Gävle, Sweden, and online from **3-7 July 2023**. The program

will include lectures and practical exercises aimed at investigating the interactions between solid Earth deformation, ice mass change, and associated sea-level and geoid variations. Virtual participation seats are unlimited and open to anyone.

- 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**. The 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 [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

- The British Antarctic Survey is recruiting a [Paleobiologist](#) with a focus on Antarctic Marine Invertebrates. Deadline **5 July 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



Our image of the months shows the SCAR Delegation to the 45th Antarctic Treaty Consultative meeting and 25th meeting of the Committee on Environmental Protection, which were held in Helsinki, Finland, earlier this month. We thank our Finnish hosts and the Antarctic Treaty Secretariat for their fantastic organisation and look forward to the meetings in India next year!

*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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