Introduction from the SCAR Secretariat

Welcome to our May newsletter!

We are excited to share a number of major updates with your for this month's edition. A SCAR Delegation is currently attending the 44th Antarctic Treaty Consultative Meeting (ATCM), which is being held in Berlin, Germany. Prof Hans-Otto Pörtner of the Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research, and co-author of the 6th IPCC report, gave this year's SCAR Lecture at the ATCM. The lecture was based on the new SCAR report "Antarctic Climate Change and the Environment: A Decadal Synopsis and Recommendations for Action". The report shows dramatic change in the Antarctic with global consequences and was led by SCAR's Immediate Past President Prof Steven Chown. The full report is now available from the SCAR Library.

We would like to draw your attention to a number of upcoming deadlines: The deadline for the 2022 SCAR Medals nominations has been extended to 1 June 2022. We revised the nomination process for the 2022 Awards and initial nominations for each Medal will simply require a short online form. The deadline for abstract submissions to the 10th SCAR Open Science Conference has also been extended to 12 June 2022. Make sure to submit your abstracts to the 52 parallel sessions covering a range of disciplines from the Physical Sciences, Life Sciences, Geosciences, Humanities and Social Sciences and Cross-Disciplinary topics.

Also featured in this newsletter is the call for applications for a short-term contractual support to the SCAR Executive Director, a new Antarctic Environments Portal Information Summary, and we share the renewed Letter of Agreement between SCAR and the International Arctic Science Committee.
If you have something you'd like us to share in the June edition, please let us know!

With best wishes,
The SCAR Secretariat

Featured News

New SCAR report: Antarctic Climate Change and the Environment: A Decadal Synopsis and Recommendations for Action

The report, released on 24 May 2022 at the Antarctic Treaty Consultative Meeting in Berlin, shows that Antarctic ice sheets are melting, the continent’s climate is changing, and the Southern Ocean is warming, becoming more acidic and losing oxygen.

Antarctica’s changes have global impacts. Ice sheet contributions to global mean sea level rise will put nearly a billion people at risk from coastal flooding, more so if the upper end scenario of 2 m sea level rise by the end of the century is realised. Changing Antarctic climates also mean impacts everywhere, especially extremes on some continents.
The SCAR report is led by Monash University Professor Steven Chown, Director of Securing Antarctica's Environmental Future (SAEF) and SCAR's Immediate Past President.

Read the full press release here

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**SCAR News**

**SCAR Medal nominations: Deadline extended**

In order to allow additional submissions following some recent queries about the nomination process, the deadline for nominations for the 2022 SCAR Medals has been extended and will now close on **1 June 2022**.

More information is available at [SCAR Medals](#).

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**Contractual support to the SCAR Executive Director**

The SCAR Directors are looking for someone to provide short-term contractual support to the SCAR Executive Director (3-6 months). Tasks may vary depending on skills and experience but are expected to comprise largely of delivery of key elements of the SCAR Delegates’ meeting in September. If you are interested, please mail your CV to the [SCAR Secretariat](#).
The deadline for submission of abstracts to the 10th SCAR Open Science Conference has been extended until Sunday, 12th June 2022. Abstracts can be submitted through the Abstract Submission Portal.

SCAR and IASC renew Letter of Agreement
On 20 May, the SCAR President, Dr Yeadong Kim, and the President of the International Arctic Science Committee (IASC), Henry Burgess, renewed the Letter of Agreement between the two organisations.

Ten scientific messages on risks and opportunities for life in the Antarctic
In the latest Information Summary of the Antarctic Environments Portal "Ten scientific messages on risks and opportunities for life in the Antarctic" 26 experts identified the most relevant research on biological and ecological processes and functions in the Antarctic. The summary was initiated by the former SCAR Scientific Research Programme “Antarctic Thresholds – Ecosystem Resilience and Adaptation” (AnT-ERA, 2013-2021).

Community News

News from the SCAR community and wider research community
- The DEEPICE project published new infographics about ice core sciences
for the general public. They are under Commons 4.0 licence and can be used by anyone doing communication or educational activities around ice cores.

- The International Arctic Science Committee (IASC) is now soliciting applications to be the next Secretary for their Atmosphere Working Group (AWG). More information about the application process can be found here.
- The Polar Science Early Career Community Office (PSECCO) is a new community-building and support effort for early career scientists focused on promoting accessibility, inclusion and diversity in the polar sciences. PSECCO is hosting a second virtual community meeting on 9 June.

Publications from the SCAR community and wider research community

- Article 'Antarctic Seabirds as Indicators of Climate Change' in new book 'Seabird Biodiversity and Human Activities'
- 'Groundwater under Antarctic goes deep' in Science.
- 'Antarctic Firn Characterization via Wideband Microwave Radiometry' in Remote Sensing.
- Article 'Antarctica in British Children's Literature' in new book 'International Research in Children's Literature'.
- 'Antimicrobial resistance in Antarctica: is it still a pristine environment?' in microbiome.
- 'Propagation of barotropic Kelvin waves around Antarctica' in Ocean Dynamics.

Events

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

- The registration for the WCRP sea level conference (12-16 July 2022) is now open.
- The SCAR Open Science Conference 2022 will be held online from 1-10
**August 2022.** The [call for abstracts](https://example.com) is open until **12 June 2022.** Registration will open 2 June.

- The [Willi Dansgaard centenary symposium](https://example.com) will take place on the **29-31 August 2022** in Copenhagen. The abstract deadline is 1 June 2022. Travel grants are available.
- The SCAR Action Group RINGS will organize the [First International Workshop on Antarctic RINGS, 27-30 2022 June](https://example.com). The [full conference programme](https://example.com) is now available. The registration deadline for online participation is **25 June 2022.**
- Svalbard Integrated Arctic Earth Observing System (SIOS) is organising a week-long [training course](https://example.com) on AI applications in Longyearbyen, Svalbard from **5-9 September 2022.**
- The [5th International ANGWIN Workshop](https://example.com) will be held in Icheon, Korea from **5-7 October 2022.**
- [ASSW 2023](https://example.com) will take part in Vienna, Austria, from **17 - 24 February 2023.**
- The 6th [European Conference on Permafrost](https://example.com) will be held in Puigcerdà, Spain, **18-22 June 2023.** The call for abstract submissions will be open September 2022.

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### Opportunities

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

- [PhD position](https://example.com) on the impact of rain/snow transition on glacier surface mass balances, in Grenoble, France. Deadline **1 June 2022.**
- The call for [Living Planet Fellowships](https://example.com) is now open, addressed to postdoctoral researchers that completed their PhD between 1 January 2015 and 15 June 2022. Deadline **15 June 2022.**
- Full / Associate [Professor in Glaciology](https://example.com) (Hobart, Tasmania, Australia), Deadline **22 June 2022.**
- [Three postdoc positions in sea-ice related research (mapping/microbial ecology/BGC)](https://example.com), at the Australian Centre for Excellence in Antarctic Science. Deadline **26 June 2022.**
- Physical Oceanography [Research Scientist](https://example.com) in Brest, France. Deadline **3 July 2022.**
Image of the Month

This month's image shows the SCAR Delegation at the 44th Antarctic Treaty Consultative Meeting, currently being held in Berlin, Germany.

To share your photos or news please email info@scar.org. We love hearing from you!

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