



## Introduction from the SCAR Secretariat

Welcome to our November newsletter!

This month SCAR hosted a range of events at the [COP 27 UN Climate Change Conference](#). SCAR events and other events relevant to the SCAR community included sessions on sea-level rise, Antarctic and Southern Ocean ecosystems, and ice sheet dynamics. To mark COP27, the International Cryosphere Climate Initiative published the 2022 [State of the Cryosphere Report](#), detailing the global impacts of the melting cryosphere.

We also celebrated the third [Polar Pride](#) event on 18th November, enjoyed reading a [Fellowship Report](#) from SCAR Fellow David Vendrami, and found out what happened at the Antarctic Gravity Wave Instrument Network ([ANGWIN](#)) [workshop](#) hosted by KOPRI last month.

Events to look forward to include the [2023 SCAR SCHASS Biennial Conference](#), which will take place from 22-24 June 2023 in Lisbon, Portugal. Earlier this month the organising committee announced the conference website and theme - "The Antarctic for a better World" - and opened the call for papers. We look forward to seeing you there!

And don't forget, tomorrow is Antarctica Day! On 1st December the international polar community commemorates the signing of the Antarctic Treaty in 1959. We have a range of events and announcements planned for the day, so make sure to have a look at our [Antarctica Day page](#).

As always, there are also a range of publications, events, and opportunities included in this newsletter. We warmly encourage you to share your photos, news or other relevant updates with us for next month's edition.

With best wishes,  
*The SCAR Secretariat*

## Featured News



### 2023 SCAR SC-HASS Conference: 22-24 June, Lisbon, Portugal

The SCAR SC-HASS Conference Organising Committee is pleased to announce the theme and website for the [2023 SC-HASS Biennial Conference: The Antarctic for a Better World](#).

Abstract submission is now open and the deadline for submission is 6 February 2023. Early bird registration will open on 3 January 2023.

[Click here to visit the conference website](#)

## SCAR News

### SCAR at COP27

SCAR organised a number of side events at the COP 27 UN Climate Change Conference that took place earlier this month. SCAR scientists participated in COP27 and gave talks and presentations at the COP27 Cryosphere Pavilion and at UNFCCC side events.

Recordings of these events are now available on YouTube and can be found on our [COP27 page](#).



### Polar Pride Day 2022

On this 18 November SCAR was delighted to join partners and colleagues around the world to celebrate the third official Polar Pride! Pride is a chance to celebrate the beauty and diversity of perspectives our LGBTQIA+ colleagues bring to

our research community, but also a reminder of the work that remains to be done to build a safer, more inclusive community.

The full announcement and an update from our EDI page is available from the [SCAR website](#).

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### SCAR Fellowship Report: David L.J. Vendrami

The [Fellowship Report](#) from SCAR Fellow David L.J. Vendrami is now available on our website. David's project was titled 'Exploring seascape genomics in the cold'. His home institute was Bielefeld University, Germany, and he was hosted by the British Antarctic Survey, UK.



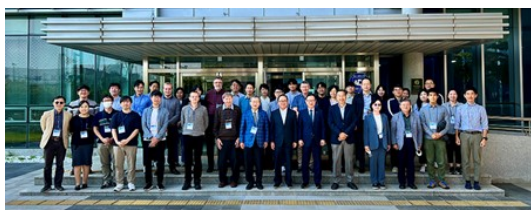
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### New Antarctic Environments Portal Publication

A new publication, "The warming of the Southern Ocean and its significance", is now available on the [Antarctic Environments Portal](#). The Southern Ocean has warmed significantly over the past two to four decades, overall accounting for about half of global ocean warming since 2005. As described in the new publication, the warming has potential ramifications for the stability of the Antarctic ice shelves, for sea level rise, for long-term uptake of the CO<sub>2</sub> and heat in the ocean, and for ecosystems.

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## Workshop Reports



### ANGWIN 2022 Workshop

5-7 October 2022

Korean Polar Research Institute

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## Community News

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

- Dr Salvatore Aricò is to be appointed as [Chief Executive Officer of the International Science Council](#). Dr Aricò, who succeeds Dr Heide Hackmann as CEO, will take up his appointment in January 2023.
- The [2022 State of the Cryosphere Report, Growing Losses, Global Impacts](#) by the International Cryosphere Climate Initiative ([ICCI](#)) has been published at the start of the COP 27 UN Climate Change Conference in Sharm el-Sheikh, Egypt. Reviewed and supported by over 60 leading cryosphere scientists, the Report details how a combination of melting polar ice sheets, vanishing glaciers, and thawing permafrost will have rapid, irreversible, and disastrous effects on the Earth's population.

### Publications from the SCAR and wider research community

- 'Southern Ocean biogenic blooms freezing-in Oligocene colder climates' in [Nature Communications](#). The reflection seismic data used in this study are available from the [SCAR Seismic Data Library System](#) (SDLS).
- 'Macrophysiology for decision-making', in [Journal of Zoology](#).
- 'Ecology and management of invasive plants in the sub-Antarctic and Antarctic regions: evidence and synthesis from Macquarie Island', in [Plant Ecology & Diversity](#).
- 'Geothermal Heat Flow and Thermal Structure of the Antarctic Lithosphere', in [Geochemistry, Geophysics, Geosystems](#).
- 'New records of hexanchiform sharks (Elasmobranchii: Neoselachii) from the Late Cretaceous of Antarctica with comments on previous reports and described taxa', in [New Zealand Journal of Geology and Geophysics](#).

## Events

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

- The KOBE PCRC Antarctic Open Symposium [The Future of Antarctic Cooperation and Global Geopolitical Challenges](#) will be held on **2 December 2022**. For online participation register by **1 December**.
- The [AGU Fall Meeting](#) will be held in Chicago and online, from **12-16 December 2022**.
- [ASSW 2023](#) will take place in Vienna, Austria, from **17-24 February 2023**.
- The 6th [European Conference on Permafrost](#) will be held in Puigcerdà, Spain, from **18-22 June 2023**. The call for abstract submissions closes 15 January 2023.
- The [2023 SC-HASS Biennial Conference](#) 'The Antarctic for a Better World' will take place in Lisbon, Portugal from **22-24 June 2023**. The deadline for abstract submission is 6 February 2023.
- [The Glacial Isostatic Adjustment Training School](#) will be held in Lantmäteriet, Gävle, Sweden from **3-7 July 2023**. Applications are open until 31 January 2023.
- The [28th Assembly of the International Union of Geodesy and Geophysics](#) (IUGG) will be hosted in Berlin, Germany from **11-20 July 2023**. Abstract submission closes 14 February 2023.
- The [XIII SCAR Biology Symposium](#) will be held in Christchurch, New Zealand (**31 July-4 August 2023**). The call for abstracts opens 7 December 2022. More [important dates](#) are listed here.
- The SOOS Symposium '[Southern Ocean in a changing world](#)' will be held **14-18 August 2023** in Hobart, Australia.
- The [SCAR INSTANT Conference](#) will take place in Trieste, Italy from **11-14 September 2023**. Day 1-3 are reserved for each [INSTANT](#) theme, Day 4 will focus on key priorities with external partners and stakeholders.

## Opportunities

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

- [Position at Geoscience Australia](#) for a geologist or terrestrial geomorphologist to undertake terrestrial field mapping in Antarctica. This is a full-time ongoing position. Application Deadline **4 December 2022**.
- A [postdoctoral position](#) in sea ice biogeochemistry modelling is opening at the Norwegian Polar Institute, Tromsø, Norway. Application deadline **10 December 2022**.
- [Biodiversity Distribution Modeler](#) for the European Horizon project "Marine Protected Areas Europe" (MPA Europe) in Ostend, Belgium. Project

appointment (UN-P2 level) initially for one year, with possibility of extension. Application deadline **20 December 2022**.

- The Utrecht Centre for Water, Oceans and Sustainability Law (UCWOSL), the Netherlands Institute for the Law of the Sea (NILOS) at the Utrecht University School of Law are looking for a [Postdoc in International Shipping Law and the International Law Relating to Antarctica](#). Application deadline **8 January 2023**.
- [Two Master Theses](#): Microplastics in the Antarctic, AWI. Envisaged **start date early spring 2023**.

## Image of the Month



Our November image of the month is the Progress Pride flag combined with the SCAR logo, illustrating our commitment to building a [more equitable and inclusive future at SCAR](#).

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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