



## Introduction from the SCAR Secretariat

Welcome to our December newsletter!

As we look back at 2022 in our end of year review, it's inspiring to see how much the SCAR community has achieved over the past year. Our three Scientific Research Programmes have continued to gain momentum, with well-attended workshops, publications and the announcement of new fellowship schemes. [SCAR's Antarctic Climate Change and the Environment \(ACCE\) report](#) was a landmark publication recognised by the ATCM, CCAMLR and beyond.

On 1st December we celebrated Antarctica Day with the launch of a [new animation](#) summarising the key messages from the ACCE Report. SCAR, COMNAP and IAATO also marked the day by announcing the recipients of the 2022 Antarctic Fellowships. Ant-ICON and SC-ATS have also recently launched [a new science-policy fellowship programme](#).

This month SCAR and the International Arctic Science Committee (IASC) were delighted to announce that preparatory work for a [5th International Polar Year \(IPY\) in 2032-33](#). In the lead up to the 5th IPY, SCAR and IASC are also excited to announce a joint SCAR-IASC Polar Conference in 2030.

There are many exciting events in planning for 2023, including the SCAR's Standing Committee on the Humanities and Social Science Conference in June, the XIII Biology Symposium in July/August and the INSTANT meeting in September.

We'd like to say a huge thanks to all everyone who has contributed to SCAR's work this year - through its groups, publications, events and more. We couldn't do it without you! On a personal note, I returned from a long period of medical leave earlier this year and am hugely grateful for the support of the community – it's been great to be back.

Wishing you all a great break and looking forward to working with you all in 2023.

- Chandrika Nath  
SCAR Executive Director

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**End of Year Review 2022**



## JANUARY



EOS article on INSTANT Scientific Research Programme

## MARCH

SC-HASS publication on the impact of COVID-19 on Antarctic Tourism

## MAY

Publication of 'Antarctic Climate Change and the Environment (ACCE): a Decadal Synopsis and Recommendations for Action' at the Antarctic Treaty Consultative Meeting in Berlin

## JUNE

International Bathymetric Chart of the Southern Ocean Version 2 is released

## AUGUST

SCAR Medal recipients announced

## SEPTEMBER

AntClimNow and Ant-ICON host international workshops

## OCTOBER/NOVEMBER

SCAR Delegation attends SC-CAMLR/CCAMLR meetings and SCAR presents lecture on ACCE report

## DECEMBER

Animation based on ACCE report highlights impacts of climate change on Antarctica

## DECEMBER

SCAR and IASC announce preparatory work for a 5th International Polar Year (IPY) in 2032-33 and a joint conference in 2030

## FEBRUARY

SCAR Visiting Scholars announced

## FEBRUARY

SCAR co-convenes the Scientific Symposium "The Cold is Getting Hot", including signing the Polar Initiative, in Monaco

## APRIL

Launch of the Southern Ocean Action Plan

## JUNE

AntVolc group publishes 'Antarctic Volcanism' outreach book

## JUNE

First International Workshop on Antarctic RINGS

## AUGUST

The 10th SCAR Open Science Conference is held virtually, with over 2600 participants and a total of 69 events over 10 days

## SEPTEMBER

SCAR XXXVII Delegates' Meeting held in Goa, India and online, SCAR welcomes new Vice Presidents and Member

## NOVEMBER

SCAR participates at COP27 and gives presentations at UNFCCC side events and COP27 Cryosphere Pavilion

## DECEMBER

Antarctic Science publication on Ant-ICON Scientific Research Programme

## DECEMBER

2022 Prince Albert II of Monaco Foundation SCAR Fellowship



announced

Make sure to stay in touch with us for exciting projects to come in 2023!

[www.scar.org](http://www.scar.org)



## SCAR News



### Planning for the 5th International Polar Year

Following their recently [renewed partnership agreement](#), SCAR and the International Arctic Science Committee ([IASC](#)) and SCAR are pleased to confirm that [preparatory work has started for a 5th International Polar Year \(IPY\) in 2032-33](#), reflecting the urgent need for coordinated international research to tackle the biggest challenges of polar research, for both the Polar Regions themselves and for the world as a whole. In the lead up to the 5th IPY, SCAR and IASC are also pleased to announce a **joint SCAR-IASC Polar Conference in 2030**.

### Our future depends on us: Animation on impacts of climate change in Antarctica

Earlier this year, SCAR worked with scientists across the globe to produce the Antarctic Climate Change and the Environment Decadal Synopsis (ACCE). The report provides a summary of a decade's worth of research, and its eight chapters leave little room for doubt: The continent is warming, and so is its surrounding Southern Ocean. The key messages of the report are summarised in a [new animation](#) released for Antarctica Day.





## 2022 Prince Albert II of Monaco Foundation SCAR Fellowship announced

We are delighted to announce that the 2022 Prince Albert II of Monaco Foundation SCAR Fellowship [is awarded to Hanna Yevchun](#) from the State Institution National Antarctic Scientific Center, Kyiv, Ukraine. She will visit the British Antarctic Survey, Cambridge, UK, for her project entitled "Remotely detecting and mapping biodiversity in Antarctica using VHR satellite and UAV data".

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## SCAR Report 43 on Antarctic Seismic Data Library System (SDLS) Guidelines

The Antarctic Seismic Data Library System for Cooperative Research (SDLS) was established and endorsed by SCAR in 1991 and has become the primary host of marine multi-channel seismic (MCS) data around Antarctica. [SCAR Report 43](#) describes updates to the SDLS organizational structure, guidelines and procedures.



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## SCAR Ant-ICON | SC-ATS science-policy fellowship programme launched

Applications are now open for the [inaugural SCAR Ant-ICON | SC-ATS science-policy fellowship programme](#). The fellowships are open to early-mid career researchers from all SCAR member countries. The fellowship programme will fund two fellows in 2023: one to participate in the CEP/ATCM meetings in Helsinki, Finland from 29 May-8 June 2023 (expected start date in early February 2023), and one to participate in the SC-CAMLR/CCAMLR meetings in Hobart, TAS, Australia in 16-27 October 2023 (expected start date in April/May 2023).

The application deadline is 16 January 2023.

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# Community News

## News from the SCAR community and wider research community

- Application for [2022 Climate and Cryosphere \(CliC\) Grants](#) for early career researchers or research visits are now open. Applications shall target CliC's vision and mission as described in the [Strategic Plan 2022-2031](#), and submissions from regions currently under represented in CliC, such as Asia and Africa, are particularly encouraged. The application deadline is 1st March 2023.

## Publications from the SCAR and wider research community

SCAR's Scientific Research Programme 'Integrated Science to Inform Antarctic and Southern Ocean Conservation ([Ant-ICON](#)) is the focus of a recent paper published in [Antarctic Science](#). The paper gives a detailed look at the goals, research priorities, and planned outputs of Ant-ICON.



- The journal *Advances in Polar Science* (APS) recently published the third issue of 2022 (Vol. 33, No.3), which can be [downloaded here](#).
- 'West Antarctic ice volume variability paced by obliquity until 400,000 years ago,' in [Nature Geoscience](#).
- 'Antarctic fungi with antibiotic potential isolated from Fort William Point, Antarctica,' in [Scientific Reports](#).
- 'Long-term High Resolution Image Dataset of Antarctic Coastal Benthic Fauna,' in [Scientific Data](#).

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## Events

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

- [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 16 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**.

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## Opportunities

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

- [Postdoctoral Position with experience in numerical modelling](#) as part of a larger collaborative effort on the Blue Carbon Potential of Canada's Coastal Oceans. Application deadline **1 January 2023**.
- 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**.
- [PhD project](#) "What causes ozone depletion events and bromine explosions in the polar atmosphere?", focussed on experiments in the Roland von Glasow Air-Sea-Ice Chamber, at the University of East Anglia, Norwich, UK. Application deadline **11 January 2023**.
- The World Climate Research Programme (WCRP) and the University of Massachusetts, Amherst (UMass) invite applications for the position of

[Director of the Climate and Cryosphere \(CliC\) International Project Office.](#)

The position will remain open until filled.

- The Polar Geospatial Center (PGC) at the University of Minnesota, USA, invite applications for the position of [Director](#). The position leads and contributes to PGC's geospatial initiatives including GIS analysis, remote sensing products, data production pipelines, cartography and visualisation, data democratisation, earth science and polar logistics support. The position will remain open until filled. Review of applications begin 9 January 2023.

## Image of the Month



Our December image of the month is taken from our new animation "[Our future depends on us](#)", which summarises key messages from the Antarctic Climate Change and the Environment Report released earlier this 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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