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Introduction from the Executive Director

Welcome to the October edition of the SCAR Newsletter. The SCAR Secretariat is looking back at a busy month, and we are excited to share a wide selection of news from SCAR Groups and the wider Antarctic community with you.

This week has seen the online CCAMLR meetings full swing and SCAR is pleased to have been represented by a delegation headed by Dr Susie Grant, new Chief Officer of the Standing Committee on the Antarctic Treaty System (SCATS), along with Drs Mary-Anne Lea and Cassandra Brookes. A summary of the meetings will follow in next month's newsletter.

We'd like to remind you that the Antarctic COVID-19 Research Group invites all researchers support staff, students, and anyone else involved in Antarctic research or logistics to take part in a [survey](#) to learn more about the impact of

COVID-19 on the Antarctic research community, by November 8th. In this newsletter we're asking for help to translate the survey into Russian, Spanish and Mandarin.

We are extending our [Visiting Scholar Scheme](#) deadline until 25 November. The extended scheme allows greater flexibility over travel dates. We also welcome proposals for virtual activities.

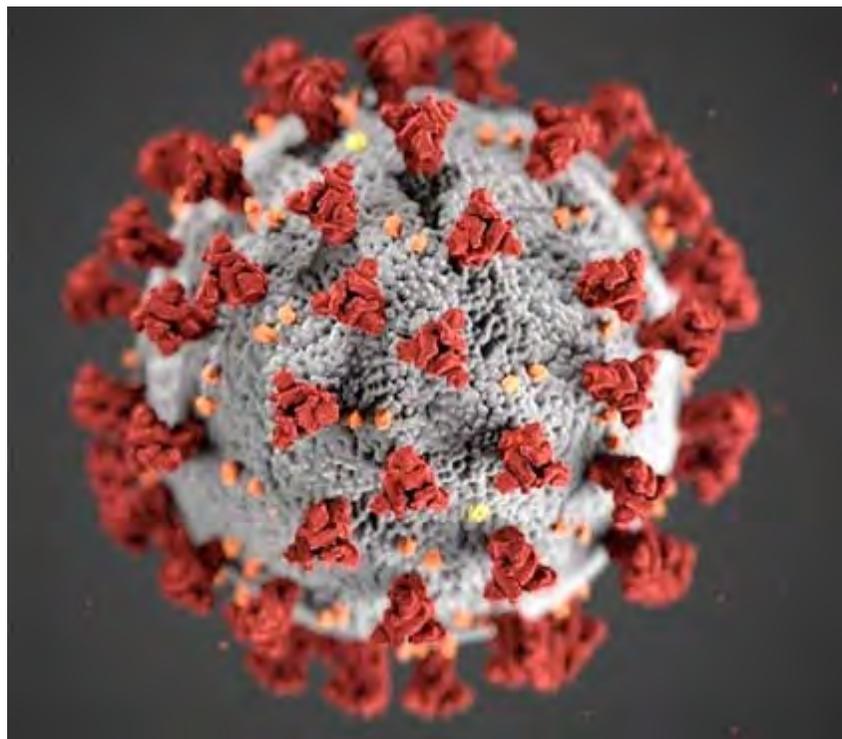
In this newsletter we warmly welcome Prof Fei Li and Dr Paul Morin as the [new Chief Officers](#) of the Standing Committee on Antarctic Geographic Information (SCAGI). For those of you who have missed the Polar Wildlife Health Webinar last week, you can now watch the recording on our [YouTube channel](#).

As always, our newsletter also features a range of news from the wider Antarctic community, a number of publications from SCAR Groups, as well as online events and opportunities. Please get in touch with us info@scar.org if you'd like to share your news or photos with us.

We hope you all stay healthy and safe and enjoy this month's edition.

- Chandrika Nath
SCAR Executive Director

Featured News



Survey: The impact of COVID-19 on the Antarctic research community

The Antarctic COVID-19 Research Group has prepared a survey to learn more about the impact of COVID-19 on the Antarctic research community. This survey has been created by a research team affiliated with SCAR's Standing Committee on the Humanities and Social Sciences (SC-HASS). SCAR and SC-HASS want to better understand the impact of COVID-19 on the Antarctic research community.

We invite all Antarctic researchers, support staff, students, and anyone else involved in Antarctic research or logistics to complete this survey. The survey is

set to close by **8 November 2020**.

[Please click here to participate in the survey.](#)

We are looking for native speakers of Spanish, Russian, and Mandarin with excellent command of English to translate the 2,000-word survey for a modest fee. Please get in contact with [Andrea Herbert](#) if you are interested.

SCAR News



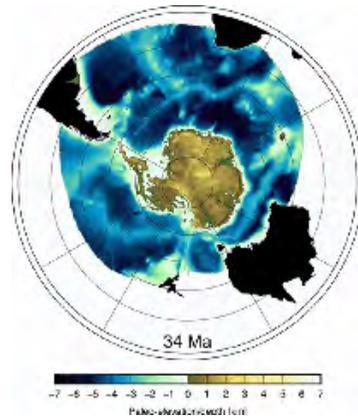
Visiting Scholar Scheme deadline extended

The deadline for Visiting Scholar applications has been extended to Wednesday 25 November. In recognition of the current travel restrictions as there will be significant flexibility with regard to the timing of completion of the visits. We also welcome applications that are planned to be completed virtually.

Full details and how to apply on our [Visiting Scholar Scheme page](#).

New SKAG publication on the future of krill

The SCAR Krill Action Group ([SKAG](#)) has published a new paper in *Nature Communications Earth & Environment*. The group has identified several research priorities that could advance the understanding of krill to improve the management of Antarctic krill fishery in the Southern Ocean. Read the full paper [here](#).

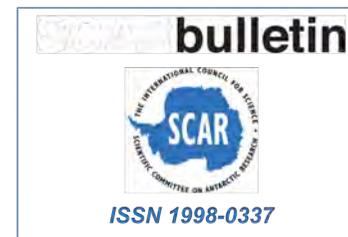


Combined high-resolution reconstructions available for community use

Newly combined high-resolution [paleotopographic and -bathymetric models](#) are available to show the evolution of Antarctic topography and Southern Ocean bathymetry since 34 Ma. The grids are a key output of the [PAIS](#) Antarctic palaeotopography and palaeobathymetry working group and are freely available on Pangaea.

SCAR Bulletin on Antarctic Geothermal Heat Flow published

We have published our latest [SCAR Bulletin 202](#) on the SERCE White Paper "Antarctic Geothermal Heat Flow: Future research directions". The bulletin details current methods



in Antarctic geothermal heat flow research, discusses their challenges and limitations, and recommends key future directions.



SCAR welcomes new SCAGI Chief Officers

Prof Fei Li and Dr Paul Morin have been appointed as the [new Chief Officers](#) of the Standing Committee on Antarctic Geographic Information (SCAGI). The committee is looking forward to deliver and develop SCAGI products in the years to come and encourages collaboration.

Polar Wildlife Health Webinar on YouTube

The SCAR Expert Group on Birds and Marine Mammals ([EG-BAMM](#)) recently hosted an online webinar to discuss past, present and future impacts on the Health of Polar Wildlife. You can now watch the full recording on our [SCAR YouTube channel](#).



Community News

News from the SCAR community and wider research community

- The [International Glaciological Society](#) (IGS) has announced the **Award recipients** for 2020. This year's [Seligman Crystal](#) was awarded to SCAR Vice President for Science, Dr Catherine Ritz. Congratulations, Catherine!
- The first [live episode of The IcePod](#) podcast was broadcasted during the APECS-SCAR workshop "[Antarctic Science: Global connections](#)". The team interviewed the Australian weather observer and member of SCAR's Standing Committee on Humanities and Social Sciences Vicki Heinrich.
- A group of ecological modellers is looking for polar researchers interested in developing [collaborative projects](#) to build a physiological model on any polar animal of their research interest (invertebrate to mammals, terrestrial or aquatic, microscopic to giant). This work will feed into research for a PhD thesis. If you are interested in contributing, please send an email to [Charlène Guillaumot](#).
- [Quantarctica](#) is a collection of Antarctic geographical datasets for research, education, operations and environment management. The team is looking for your input to help shape version 4. Please provide your feedback about about datasets, data categories, and functions you want to see in this [community survey](#) by the end of November.

Publications from the SCAR community

- Members of our 2012-2020 Scientific Research Programmes 'State of the Antarctic Ecosystem' ([AntEco](#)) and 'Antarctic Thresholds - Ecosystems Resilience and Adaptation' ([AnT-ERA](#)) have contributed to an [advanced review](#) published by Wiley Online Library. The review discusses Antarctic ecosystem responses following significant ice-shelf loss events in the past few decades resulting from rapid warming around the Antarctic Peninsula.
- The SCAR expert group on Biogeochemical Exchange Processes at Sea-

Ice Interfaces ([BEPSII](#)) has published a [commentary in EOS](#) outlining how geoengineering strategies to slow sea-ice melting would affect not only Earth's climate, but also the biology and chemistry of the oceans, atmosphere, and ice.

- A new book, titled [Life in Extreme Environments: Insights in Biological Capability](#), has been published by Cambridge University Press. Several Chapters of this book are products of former and current SCAR Groups and Scientific Research Programmes.

Events

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

Note: Due to the current situation worldwide we are only listing virtual events at the moment. We hope you will enjoy meeting online!

- The SCAR Antarctic biodiversity portal and the SCAR Standing Committee of Antarctic Data Managers (SCADM) and expert group on Antarctic Biodiversity Informatics (EG-ABI) are presenting an online webinars series "[Biodiversity data from the field to research](#)". The sessions will be held **3-6 November**. Please [register](#) in advance.
- The [13th Polar Law Symposium](#) will be held virtually in several sessions from **9-30 November**. One of the sessions is co-organised by our PoLSciNex Action Group. Registration is free and open to everybody interested in polar law and policy.
- The PAGES-INQUA Workshop for Early-Career Researchers has moved

online. [Virtual PASES2020](#) will be held **9-11 November**.

- The [AGU Fall Meeting "Shaping the Future of Science"](#) will be concentrated around **7-11 December**. To minimise scheduling conflicts, events around the meeting will be extended from 1-17 December.

Opportunities

Opportunities from the SCAR Community and wider research community

- The [University of Leeds](#) is seeking to recruit a [Research Fellow](#) in Earth observation of the Polar Regions. The application deadline is **19th November**.
- The [Centre for Satellite Data in Environmental Science](#) (SENSE) is looking for a candidate for a [joint PhD-project](#) in the field of Antarctic terrestrial biosphere.
- British Antarctic Survey is looking for a [Marine Ecologist - Biogeochemical](#) (closing date for applications **29th November**) and a [Marine Environmental Ecologist](#) (closing date for applications **6 December**) to join their Ecosystems team.
- British Antarctic Survey are also looking for a [Principal Researcher in Environmental Artificial Intelligence](#) to support and help manage the BAS AI Lab, to win funding and sustain the growth of this emerging research area. The closing date for applications is **6 December**.
- The program of Atmospheric and Oceanic Sciences (AOS) and Geoscience (GEO) at [Princeton University](#) has an opening for a [Postdoctoral Researcher](#) in the areas of fluid dynamics and

geophysics. Candidates should apply online by **1 February 2021**.

Image of the Month



Our image of the month was taken by Rosa Acevedo Barrios (Bolívar Technological University, Cartagena de Colombia). This beautiful landscape was captured during field work carried out at the Argentine spring base at Cierva Cove in the Antarctic Peninsula.

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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