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Introduction from the Executive Director

Welcome to the September edition of the SCAR Newsletter. We have a great selection of news from SCAR Groups and the wider Antarctic community this month.

We are delighted to announce that SCAR has partnered with ECO Magazine (along with APECS and Arctic Circle) on a [Polar Special Issue](#). This free digital exclusive features articles from the polar research community on *Life Above and Below the Ice*, *Polar Environments*, *Humans at the Poles*, *Innovation in Frozen Seas* and more.

SCAR's GRAPE Expert Group (standing for GNSS Research and Application for Polar Environment) has published a [White Paper](#) on Atmosphere and Geospace.

Also published this month is the meeting report of the [Geothermal Heat](#)

[Flow](#) side meeting held during [SCAR 2020 Online](#).

In this newsletter we feature Abhilash Nair's [2019 SCAR Fellowship Report](#), who was hosted by GNS Science in New Zealand. The 2020 round of SCAR Fellowships is now closed but our [Visiting Scholar Scheme](#) is open until 15th October. This year the scheme is taking current travel restrictions into account and will be flexible regarding the timing of the stay. We also welcome applications for virtual activities.

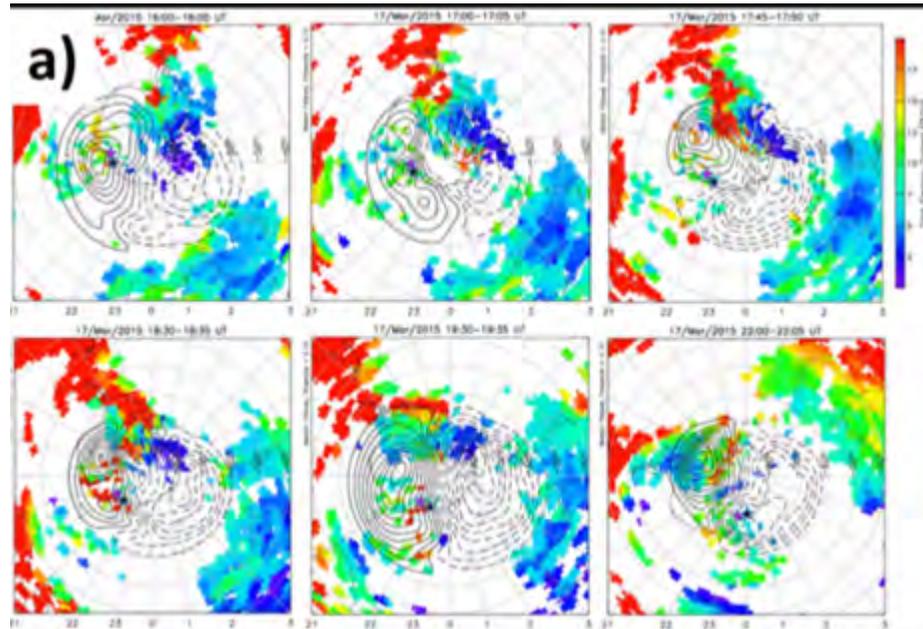
This month we warmly welcome Dr Susie Grant of the British Antarctic Survey as new [Chief Officer of the SCAR Standing Committee on the Antarctic Treaty System \(SC-ATS\)](#), taking over from Dr Aleks Terauds who has served in this role for several years. Normally, SCAR would have celebrated Dr Terauds' contributions at our Delegates meeting during a formal transition, but owing to the global pandemic, this was not possible. We warmly thank Dr Terauds for his contributions over the years.

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

Wishing you a pleasant month,

- Chandrika Nath
SCAR Executive Director

Featured News



New SCAR-Grape White Paper on Atmosphere and Geospace

A new SCAR White Paper by the GNSS (Global Navigation Satellite System) Research and Application for Polar Environment (GRAPE) Expert Group on "Polar atmosphere and Geospace: Present knowledge, infrastructures and future research directions" has been published. The [GRAPE Expert Group](#) has provided a unique international platform to exchange data and knowledge in the area of polar atmosphere and Geospace since 2012.

This White Paper details current infrastructures and knowledge and discusses their challenges and limitations and recommends key future directions in polar atmospheric research.

[Read the paper here](#)

SCAR News

Visiting Scholars



Visiting Scholar Scheme Deadline

The deadline for the SCAR Visiting Scholar Scheme is just two weeks away on **15 October**. The scheme provides awards of up to USD \$5000 and is aimed at scientists and academics more than five years after completing their PhD.

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](#).

ECO Magazine "Polar Special Issue" published

[ECO Magazine](#) has published a special issue dedicated to polar research. SCAR was excited to partner with ECO Magazine along with [Arctic Circle](#) and the Association of Polar Early Career Scientists ([APECS](#)) on this special issue.

You can find the digital edition [here](#).





2019 SCAR Fellowship Report from Abhilash Nair

You can now read the report from [SCAR Fellow Abhilash Nair](#) on our website. Abhilash is Project Scientist at the National Centre for Polar Ocean research in Goa, India and was hosted by GNS Science in New Zealand, where he worked with Dr Guisepe Cortese. His project looked at paleographic reconstruction through the microfossil group "radiolarians" to improve the understanding of past Southern Ocean changes.

Dr Susie Grant as new SC-ATS Chief Officer

Dr Susie Grant of the British Antarctic Survey will assume the role of [Chief Officer](#) of SCAR's Standing Committee on the Antarctic Treaty System (SC-ATS). Dr Grant is taking over from Dr Aleks Terauds of the Australian Antarctic Division, who delivered extraordinary leadership of SC-ATS these past years and helped SCAR grow its reputation as the leading provider of evidence-based advice in, from, and about Antarctica and the Southern Ocean.



Summary of Geothermal Heat Flow Side Meeting at SCAR 2020

The SCAR-SERCE Sub-Group on Geothermal



Heat Flow (GHF) held an [online side meeting](#) during the SCAR 2020 Online Conference. The attendees discussed various aspects of GHF research, presented many upcoming studies and discussed the similarities and differences between the existing models, and how best to integrate them.

Journal 'Antarctic Science' is looking for contributions

Prof Peter Convey, Chief Editor of Antarctic Science, is looking for contributions and input from the Antarctic research community. An important objective for the journal is to engage more effectively and evenly across different languages and disciplines of Antarctic research. Make sure to read his [ideas on future direction and suggestions for submissions](#) and [get in touch](#) with him.



Community News

News from the SCAR community and wider research community

- Following the many challenges posed by the COVID-19 pandemic, the PALSEA-SERCE 2020 workshop was postponed. Instead, “**PALSEA Express**” was held virtually and featured online talks and poster presentations. The [meeting report](#) is available on our website.
- [Member positions](#) are opening in the leadership group of the Southern Ocean Observing System ([SOOS](#)) Amundsen and Bellingshausen Seas Regional Working Group. The application deadline is **15 November**.
- **Advances in Polar Science** has issued a for [Call for Proposals for 2021 Special Issues](#). These Special Issues should focus on polar themes with strong internally collaborative links.
- **Royal Society Publishing** has recently published a [special issue](#) of *Philosophical Transactions A* titled "The changing Arctic Ocean: consequences for biological communities, biogeochemical processes and ecosystem functioning".

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 online [Polar-CORDEX Meeting 2020](#) will be held **5-7 October**. The core of Polar-CORDEX consists of regional climate model simulations over the Arctic and is expanding to include the Antarctic region as well.
- The [Scientific Committee on Oceanic Research](#) has moved their annual meeting online. It will be held **20-22 October** via the virtual

platform GoToMeeting.

- [GSA 2020 Connects Online](#) will be held online **26-30 October**.
- The regional working group Weddell Sea - Dronning Maud Land (WS-DML) of the Southern Ocean Observing System (SOOS) is holding a [multidisciplinary workshop](#) titled "The Southern Ocean in the Weddell Sea and off Dronning Maud Land: unique oceanographic conditions shape circumpolar and global processes". The workshop will be held online **20-23 October**. Please register in advance.
- The PAGES-INQUA Workshop for Early-Career Researchers has moved online. [Virtual PASES2020](#) will be held **9-11 November**. Registration opens 23rd October.
- 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

- **Antarctic Science Ltd.** is looking for a new [Managing Editor](#) to join the Antarctic Science journal team. Experience in editorial management is required and the estimated work load is one day per week. Please get in contact with k.hendry@bristol.ac.uk to apply.
- A [three-year PhD position](#) "ESMs of varying complexity with data assimilation" is available from the Alfred-Wegener-Institute in Bremerhaven. The application deadline is **7 October**.

- Applications are now being accepted for the [2021 Scripps Postdoctoral Scholar Award](#), with up to two years of funding. The next review date is **25 October**.
- British Antarctic Survey are 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**.

Image of the Month



Our image of the month was taken by Tobias Stål (University of Tasmania). These tranquil icebergs were captured during fieldwork carried out with the

Australian Antarctic Division ([AAD](#)) in East Antarctica.

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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