



Scientific Committee
on Antarctic Research

SCAR Update for PRB

5 June 2024

Deneb Karentz
University of San Francisco
US Delegate to SCAR
SCAR Vice President for Science

Al Weatherwax
Massachusetts Institute of Technology
US Alternate Delegate to SCAR

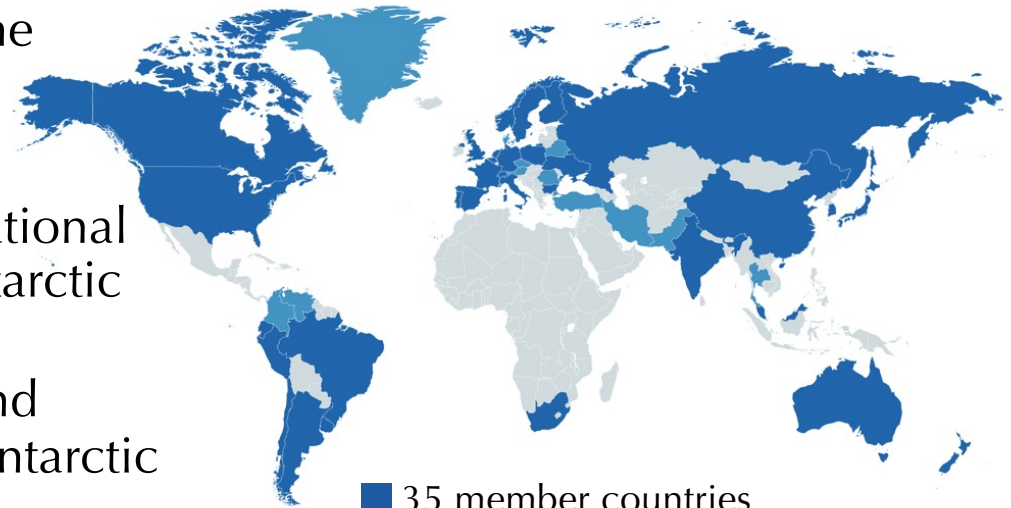


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What is SCAR?

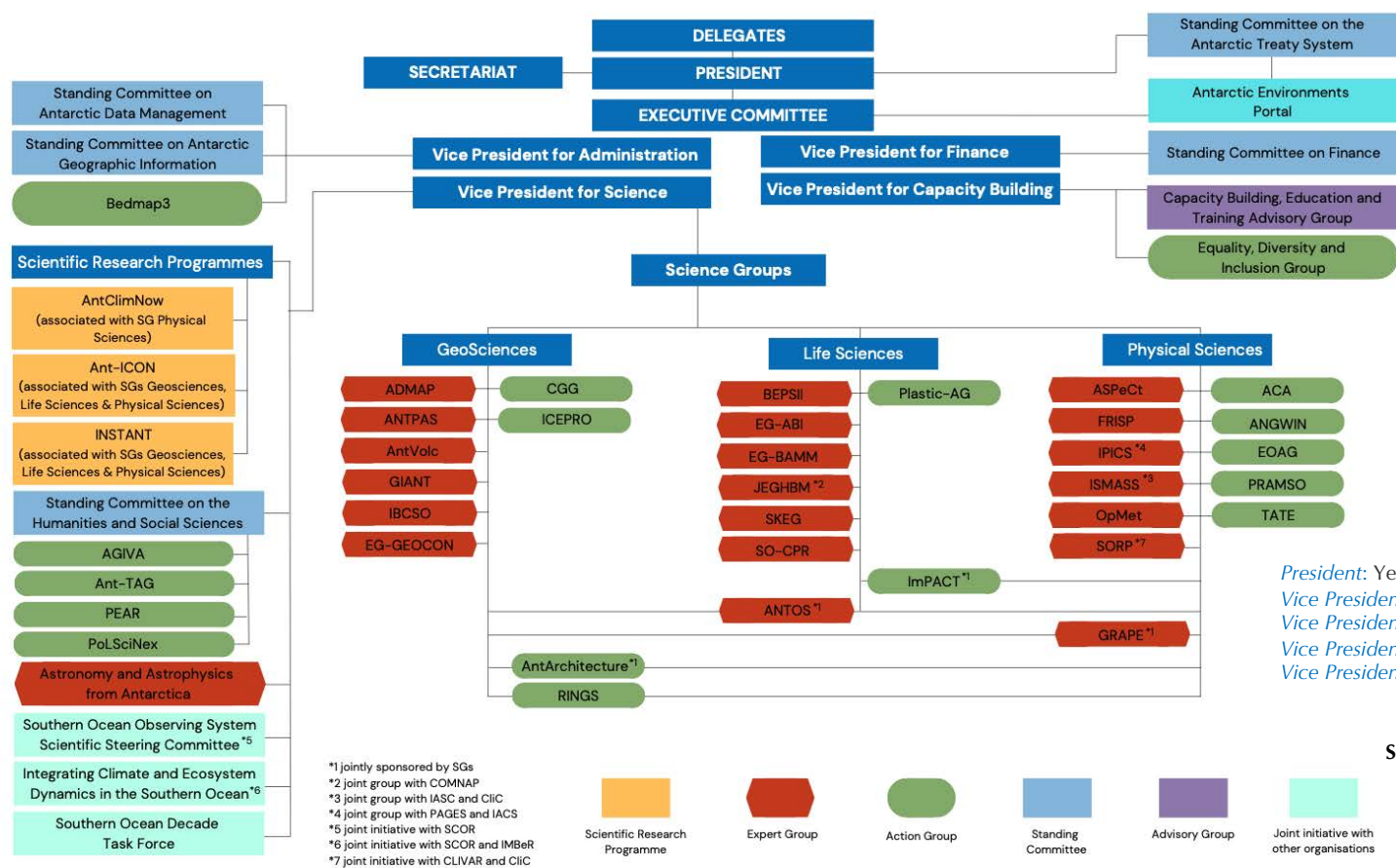
- An interdisciplinary scientific body of the International Science Council (ISC)
- **Mission for 66 years:**
 - **Scientific Leadership:** facilitate international scientific research in and from the Antarctic and Southern Ocean region
 - **Scientific Advice:** provide objective and independent scientific advice to the Antarctic Treaty System (ATS) and other bodies



■ 35 member countries
■ 11 associate member countries
9 ISC unions

55 total members in 2024

The Organization of SCAR



<https://scar.org>

President: Yeadong Kim (Korea)
Vice President for Finance: Jefferson Simões (Brazil)
Vice President for Science: Deneb Karentz (United States)
Vice President for Administration: Marcelo Leppe (Chile)
Vice President for Capacity Building: Burcu Özoy (Turkey)

SCAR Secretariat (Cambridge, UK):
Executive Director: Chandrika Nath
Executive Officer: Eoghan Griffin
Projects Officer: Johanna Grabow
Science and Operations Officer: Emma Needham
Administrative Officer: Angharad Downes



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US-SCAR Team

Delegate: Deneb Karentz

Alternate Delegate: Allan Weatherwax

US Representatives to the SCAR Science Groups

Geosciences: Samantha Hansen, Julia Wellner, Hongjie Xie

Life Sciences: Byron Adams, Chuck Amsler, George Watters

Physical Sciences: John Cassano, Lu Lu, Kirsty Tinto

US Representatives to SCAR Standing Committees

Antarctic Data Management: Frank Nitsche

Antarctic Geographic Information: Cole Kelleher

NAS/NRC/PRB Liaison: April Melvin, Morgan Monz

Webmaster: Joe Souney

US-SCAR Fellow: Lynn Kaluzienski

US-SCAR Intern: Isabel Dove





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Biennial SCAR Open Science Conference

11th Open Science Conference

Antarctic Science: Crossroads for a New Hope

Pucón, Chile | 19-23 August 2024

4 plenary lectures, 3 mini-symposia, 50 parallel sessions
(1600 abstracts submitted), 27 workshops, 3 side events

US-SCAR providing travel grants to 60 US attendees



38th SCAR Delegates Meeting

Punta Arenas, Chile | 26-28 August 2024



Claire Provost CC



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SCAR Participation in the Antarctic Treaty

Working Papers submitted by SCAR:

- Example of State of the Antarctic Environment Reporting (SAER)
- Update on High Pathogenicity Avian Influenza in Antarctica
- Update on the Status of Emperor Penguins
- SCAR AntClim^{Now} Antarctic Climate Indicators Project



<https://www.ats.aq>

Working Papers supported by SCAR:

- 7th Report of the Intersessional Contact Group on Education and Outreach



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SCAR Participation in the Antarctic Treaty

Some Information Papers submitted by SCAR (17 total):

- Antarctic Environments Portal
- Update on the Southern Ocean Contribution to the UN Decade of Ocean Science for Sustainable Development
- Plans for a 5th International Polar Year 2032/33
- Antarctic Climate Change and the Environment Update
- SCAR Lecture: *Decoding the Intricate Link Between the Tropics and Antarctica*
- Incorporation of Antarctica into the Global Monitoring Plan for Persistent Organic Pollutants
- Scientific Research Supporting the Development of a Framework for Antarctic Tourism Management



<https://www.ats.aq>



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Additional SCAR News

SCAR recently received accreditation from the United Nations Environment Programme (UNEP)





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Updates from US-SCAR

US Sample and Data Repositories Office Hours

- March 21: USAP-Data Center, Polar Rock Repository, and Marine and Geology Repository
- June 18: NSF Ice Core Facility, Polar Geospatial Center, EarthScope, and Antarctic Meteorological Research and Data Center





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Updates from US-SCAR

US-SCAR/NSF Interest Survey

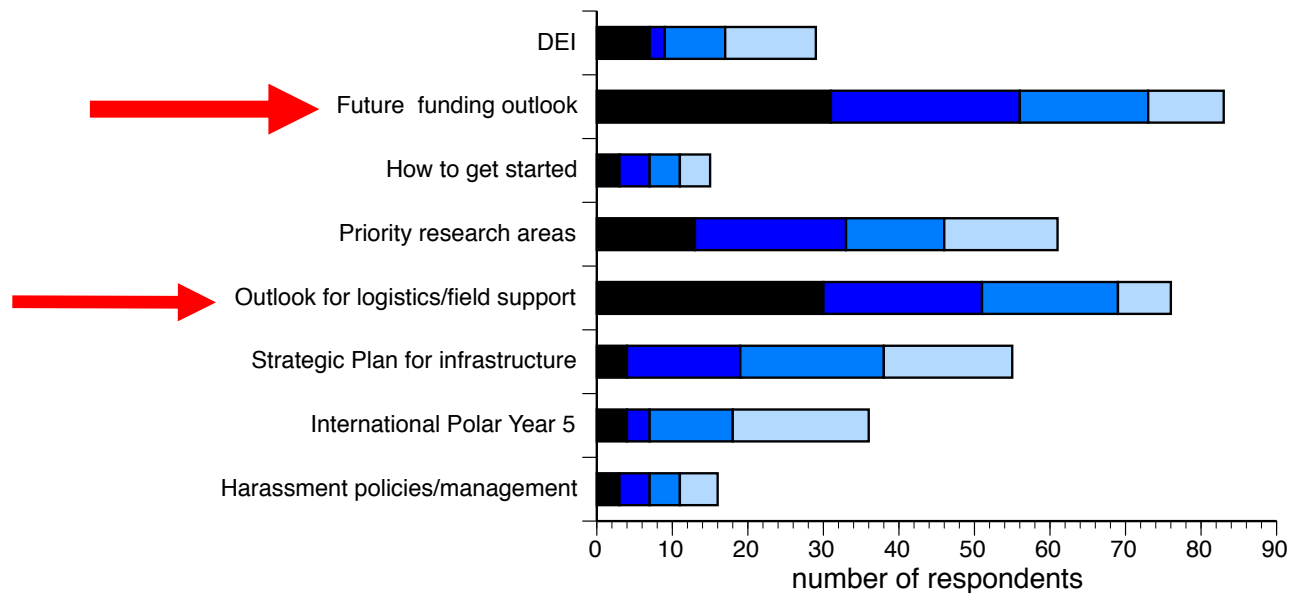
- 96 respondents
- 31 states + District of Columbia, with California (15) and Colorado (10) having the highest number of participants
- Undergraduate to full professors, and also included research scientists, technicians and contractors
- The largest groups of respondents were full professors (35) and research scientists (20)
- Nearly 40% of respondents have >8 field seasons of experience



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Ranked choice (1-4) of survey topics



US Geophysics Community sent a "letter of concern" to GEO/OPP last week:

1. advancement of science
2. impact on next generation

similar concerns for all disciplines



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US-SCAR

United States
Scientific Committee on
Antarctic Research



2024 11th SCAR Open Science Conference

The SCAR Open Science Conference 2024 "Antarctic Science: Crossroads for a New Hope" will be held in **Puerto, Chile from 19-23 August 2024**. The conference will feature a comprehensive programme of plenary lectures, mini-symposia, parallel sessions, panel discussions, posters and various opportunities for social activities and excursions in and around beautiful Puerto. **Deadline for abstracts is Monday, 4 March 2024**. See the [meeting website](#) for details.

US-SCAR has NSF funding to support travel awards for US scientists to attend the meeting in Chile. Applications for partial travel support (e.g., airfare, ground transportation, accommodation, and/or meeting registration) will be accepted from students, post-doctoral researchers and other scientists at US institutions (funding cannot be provided to anyone at a non-US institution). Preference will be given to early career investigators (students and those within 5 years of completing a PhD). **The deadline for travel award applications is 1 April 2024**. See the [travel award application](#) for more information.



About US-SCAR

The Scientific Committee on Antarctic Research (SCAR) is an international organization established in 1958 to facilitate international collaborations in Antarctic science, and SCAR serves as an advisor to the Antarctic Treaty System (ATS).

The U.S. SCAR (US-SCAR) Office at the University of San Francisco is a focal point for U.S. participation in SCAR. The US-SCAR Office is funded by the NSF Office of Polar Programs, Antarctic Sciences. The National Academies Polar Research Board serves as the U.S. National Committee to SCAR, and the U.S. Antarctic scientific community is represented by the US-SCAR Team. US-SCAR promotes polar science within the U.S. and the international Antarctic scientific community by facilitating the participation of U.S. scientists in SCAR.

Latest News

May 28, 2024
The Polar Science Early Career Community Office (PSECCO) invites US-based early career polar scientists to apply to serve on the PSECCO Advisory Board.

May 22, 2024
AGU Travel Awards

May 22, 2024
Update on NSF South Pole Station Master Researcher Award

- Visit our website at www.usscar.org
- Sign up for our mail list
(bottom of website home page)
- Follow us on Twitter [@USSCAR_tweets](https://twitter.com/USSCAR_tweets)
- Watch the US-SCAR YouTube channel
- Contact us at info@usscar.org



Thank you to NSF/GEO/OPP/Antarctic Sciences for providing funding for US-SCAR.