

Future plans

Planned use of funds for 2020 to 2022

Year (YYYY)	Purpose/Activity	Amount (in USD)	Contact Name	Contact Email
2022	Workshop (topic to be advised)	\$13,000	Susie Grant*	suan@bas.ac.uk
2022	SC-ATS-related travel (incl. SCAR OSC)	\$7,000	Susie Grant*	
2021	Workshop (monitoring Antarctic tourism - arising from 2019 CEP 2019 request)	\$12,000	Susie Grant*	
2021	ACCE Ten-year anniversary report	\$2,000	Susie Grant*	
2021	SC-ATS related travel	\$6,000	Susie Grant*	

*Pending confirmation of transition arrangements proposed here

Additional detail on funds usage and desired results/outcomes

In light of the current uncertainty around future meetings of the ATS and future international travel, the above amounts are indicative only and will be revised (in conjunction with the SCAR Executive and Secretariat) as required.

Percentage of the budget to be used for support of early-career researchers

2020:NA, 2021: 20%, 2022: 20%

Percentage of the budget to be used for support of researchers from countries with developing Antarctic programmes

2020:NA; 2021:10%; 2022:10%

Membership

Leadership

Role	First Name	Last Name	Affiliation	Country	Email	Start Date	Prop. end date
Chief Officer	Aleks	Terauds	AAD	Aust	aleks.terauds@aad.gov.au	2014	2020
Chief Officer (pending)	Susie	Grant	BAS	UK	suan@bas.ac.uk	2020	2024
Deputy Chief Officer *	Cassandra	Brooks	U. Colorado Boulder	USA	cassandrabrooks222@gmail.com	2018	2022

Other members

First Name	Last Name	Affiliation	Country	Email
Thomas	Bracegirdle	BAS	UK	tjbra@bas.ac.uk
Mary-Anne	Lea	UTAS	Australia	maryanne.lea@utas.edu.au
Daniela	Liggett	U Canterbury	NZ	daniela.liggett@canterbury.ac.nz
Bettina	Meyer	AWI	Germany	bettina.meyer@awi.de
Luis *	Pertierra	U Rey Juan Carlos	Spain	luis.pertierra@gmail.com
Marcelo	Reguero	Museo de La Plata	Argentina	regui@fcnym.unlp.edu.ar
Yan	Ropert-Coudert	CNRS	France	docyaounde@gmail.com
Akinori	Takahashi	NIPR	Japan	atak@nipr.ac.jp
Anton	Van de Putte	U Leuven	Belgium	antonarctica@gmail.com
George	Watters	NOAA	USA	george.watters@noaa.gov

Please identify early-career researchers with * in first column

Additional information

Major Outcomes

1. Better understanding of Systematic Conservation Planning for Antarctica

The Joint SCAR/CEP Workshop on Further Developing Area Protection in Antarctica, held in Prague, Czech Republic, in 2019, was a landmark workshop that brought together scientists and policy makers. Following the workshop, the Committee for Environmental Protection (CEP) endorsed a range of recommendations from the workshop, which provided a clear mandate for SCAR to continue to support and facilitate work in this area.

2. Code of Conduct for the Use of Animals for Scientific Purposes in Antarctica

The CEP welcomed the SCAR Code of Conduct for Use of Animals for Scientific Purposes. This code of conduct was endorsed by Resolution by the Antarctic Treaty Consultative Parties.

3. Guidance for progressing issues associated with Anthropogenic Noise in the Southern Ocean.

The CEP welcomed SCAR's update on the current state of knowledge of anthropogenic noise in the Southern Ocean and endorsed the recommendations.

4. Increasing recognition of the need to underpin decisions regarding the management of human activity with scientific evidence.

The 2019 Rotterdam workshop on Antarctic Tourism, the endorsement of recommendations arising from that Workshop in the CEP, and requests arising from the ATCM XLII – CEP XXII provide clear evidence of the need to underpin future management of tourism with scientific evidence and SCAR was acknowledged as the key provider of that advice.

Major Products

SC-CAMLR (2018) – Two Background Papers

- i) SCAR Annual Report
- ii) Antarctic Climate Change and the Environment 2018 Update

ATCM XLII – CEP XXII (2019) 6 Working Papers, 16 Information Papers, 1 Background Paper (See Appendix 1 for full details)

SC-CAMLR (2019) – Three Background Papers

- i) SCAR Annual Report
- ii) Antarctic Climate Change and the Environment 2019 Update
- iii) Emperor Penguins - vulnerable to projected rates of warming and sea-ice loss; an international collaboration to inform species-related conservation decision-making and conservation planning (Co-authored with UK, Australia, France, Germany, ASOC)

Direct support from outside organisations received for your activities

The workload of SC-ATS continues to increase, and therefore, so does the in-kind contribution of the Australian Antarctic Division through Terauds' time. This in-kind support is currently calculated to be approximately \$US35,000 per annum. Other Committee members' in-kind support has not been included here but both individually, and cumulatively, is substantial.

Major collaborations your group has with other SCAR groups and with organisations/groups beyond SCAR

Within SCAR

1. Antarctic Climate Change and the Environment (Annual report)
2. Life Sciences (Codes of Conduct)
3. Action Group on Geological Heritage and Geoconservation (Code of Conduct, List of Geological Repositories, Methodology for the identification of Antarctic Geological Heritage)
4. Standing Group on the Humanities and Social Sciences (advice on Treaty submissions and PA workshop input)
5. SRP Programme Planning Groups - advice (to PPGs) on development of science and implementation plans

Outside SCAR

1. COMNAP (update to checklists)
2. IAATO (research collaborations)
3. Principality of Monaco (ongoing research funding/collaborations)
4. Australian Antarctic Division (research collaborations)
5. CEP – through Subsidiary Groups and intersessional input
6. SC-CAMLR and CCAMLR Working Groups

Outreach, communication and capacity building activities

Popular articles and media on Wauchope et al. (2019) (e.g. SCAR website, AAD website – <http://www.antarctica.gov.au/news/2019/enhancing-biodiversity-protection-in-antarctica>.)

Two SCAR EMCRs were invited to the Joint SCAR/CEP Protected Area workshop. Dr Hanne Nielsen (SC-HASS) and Dr Luis Pertierra (SC-ATS) made valuable contributions in the lead-up to and during the workshop, and their assistance in this regard was much appreciated.

SCAR Fellowship Reviewers

Please list one or more people (name and email address) from your SC who would be willing to serve as reviewers for the next few years, along with 1-3 keywords on their principal expertise.

First Name	Last Name	Email	Principal Expertise
Aleks	Terauds	aleks.terauds@gmail.com	Terrestrial ecology, invasive species, quantitative modelling, climate change impacts on biodiversity
Akinori	Takahashi	atak@nipr.ac.jp	Marine birds and mammals, bio-logging and biotelemetry
Yan	Ropert-Coudert	docyaounde@gmail.com	Marine birds and mammals, marine ecology, ecophysiology, bio-logging and biotelemetry, MPAs
Tom	Bracegirdle	tjbra@bas.ac.uk	Antarctic meteorology and climatology
Daniela	Liggett	daniela.liggett@canterbury.ac.nz	Social sciences
Marcelo	Reguero	regui@fcnym.unlp.edu.ar	Geosciences, Paleontology
Luis	Pertierra	luis.pertierra@gmail.com	terrestrial ecology, invasive species, phylobiogeography, macroecology, ecological modelling

Appendix 1
SCAR submissions to the 2019 CEP/ATCM

Working Paper	Agenda	Title	Proponents
WP017	CEP 10c	SCAR's Code of Conduct for the Use of Animals for Scientific Purposes in Antarctica	SCAR
WP037	ATCM 15	Sixty Years of Treaty-Supported Antarctic Science	SCAR
WP050	CEP 10a	Review and Update of the "Checklists for supply chain managers of National Antarctic Programs for the reduction in risk of transfer of non-native species"	COMNAP SCAR
WP052	CEP 11	Antarctic Environments Portal	Australia Netherlands New Zealand Norway SCAR Spain USA
WP068	CEP 10c	Anthropogenic Noise in the Southern Ocean: an Update	SCAR
WP070	CEP 9e	Recommendations arising from the Joint SCAR / CEP Workshop on Further Developing the Antarctic Protected Area System. Prague, Czech Republic, 27-28 June 2019	Australia Czech Republic SCAR USA
IP010	CEP 10c	An update to the state of knowledge of wildlife responses to unmanned aerial vehicles	Germany Portugal SCAR Spain
IP023	CEP 11	Antarctic Environments Portal: Content Management Plan	Australia Netherlands New Zealand Norway SCAR Spain USA
IP024	ATCM 17 CEP 9e	Systematic Conservation Plan for the Antarctic Peninsula Project Updates	IAATO SCAR
IP028	ATCM 4	The Scientific Committee on Antarctic Research Annual Report 2019 to the Antarctic Treaty Consultative Meeting XLII	SCAR

SCATS: 2018-2020 Report, cont.

IP042	CEP 10b	Emperor penguins - vulnerable to projected rates of warming and sea ice loss; an international collaboration to inform species-related conservation decision-making and conservation planning	United Kingdom ASOC Australia Finland France Germany Monaco Norway SCAR
IP049	ATCM 11 CEP 5	An update on the World Meteorological Organization-Scientific Committee on Antarctic Research Joint Fellowship Programme	SCAR WMO
IP050	CEP 8b	Draft SCAR Code of Conduct on Geosciences Field Research Activities in Antarctica	SCAR
IP051	CEP 10c	State of Antarctic Penguins 2019 Report	SCAR
IP052	CEP 9e	A snapshot of terrestrial biodiversity protection in Antarctic Specially Protected Areas	SCAR Australia
IP053	ATCM 9	Biological Prospecting in Antarctica: An update on the review by SCAR	SCAR
IP074	CEP 5	A Memorandum of Understanding between the Scientific Committee on Antarctic Research and the International Polar Heritage Committee	SCAR
IP075	ATCM 15 CEP 5	Update on activities of the Southern Ocean Observing System (SOOS)	SCAR
IP093	ATCM 15 CEP 5	The International Programme for Antarctic Buoys	WMO SCAR
IP135	ATCM 15 CEP 7a	SCAR Science Lecture 2019: What Does the Paris Climate Agreement mean for Antarctic and Southern Ocean Environmental Protection?	SCAR
IP136	CEP 7a	Antarctic Climate Change and the Environment – 2019 Update	SCAR
IP165	CEP 9e	Co-conveners' report of the Joint SCAR / CEP Workshop on Further Developing the Antarctic Protected Area System. Prague, Czech Republic, 27-28 June 2019	Australia Czech Republic SCAR USA
BP003	CEP 10c	Anthropogenic Noise in the Southern Ocean: an Update	SCAR