



SCAR Sub-Group

SG

Person

Responsible:

OpMet

PS

Steve Colwell

SCAR Delegates Report 2020

Operational Meteorology in the Antarctic (OpMet) 2018-2020 Report

Summary

Report Author(s)

Steve Colwell UK

Summary of activities from 2018-20

The group continues to maintain webpages that are updated on a weekly basis with news, information and data monitoring at

https://legacy.bas.ac.uk/met/jds/met/SCAR_oma.htm

Data is updated on a monthly basis on the MET-READER website at

<https://www.scar.org/data-products/ref-data-environmental-research/>

An archive of high resolution radiosonde data collected during the Special Observing Period (SOP) of the Year of Polar Prediction - Southern Hemisphere (YOPP-SH) has been created at the British Antarctic Survey (BAS), this can be found at

<ftp://ftp.bas.ac.uk/src/YOPP-SH/radiosondes/>

Accommodation expenses were covered for a couple of people to attend the 13th Antarctic Meteorological and Climate Workshop (July 16-18, 2018) in Madison, Wisconsin and the 14th Antarctic Meteorological and Climate Workshop (June 25-28, 2019) in Charleston, South Carolina.

In conjunction with the World Meteorological Organisation (WMO) Executive Council's Panel of Experts on Polar and High Mountain Observations, Research and Services (EC-PHORS) we have begun the implementation of an Antarctic Regional Climate Centre (RCC). This was started with a scoping workshop in Bologna from the 7-9th October 2019.

Summary Budget 2019 to 2022

	2019	2020	2021	2022
	Spent	Allocated	Request	Request
(US\$)	756	1,800	1,800	1,800

Progress to date

Sub-group Outcomes Summary

(Summarize the above and in each case provide your sub-group name in left hand column to assist Science Group COs in compiling their reports)

Sub-group	Activity/Outcome/Benefit/Achievement
OpMet	Maintain website
OpMet	Update READER
OpMet	Create an archive of high resolution radiosonde data for the SOP of YOPP-SH
OpMet	Start the process of implementing an Antarctic RCC

Sub-group Cash Flow

(From previous Delegates meeting to date)

Sub-group	Allocation	Amount spent		
		2018	2019	2020
OpMet	2000	Not sure		
OpMet	1800		756	0

Future plans

Planned activities in 2020 to 2022

Sub-group	Planned activity
OpMet	Maintain website
OpMet	Update READER
OpMet	Carry on the process of implementing an Antarctic RCC

Planned use of funds for 2020 to 2022

Year (YYYY)	Purpose/Activity	Amount (in USD)	Contact Name	Contact Email
2021	Support attendance at meetings	1800	Steve Colwell	src@bas.ac.uk
2022	Support attendance at meetings	1800	Steve Colwell	src@bas.ac.uk
Total				

Any additional detail on funds usage and desired results/outcomes

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

2020: 50
 2021: 50
 2022: 50

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

2020: 50
 2021: 50
 2022: 50

Membership

Leadership

Role	First Name	Last Name	Affiliation	Country	Email	Date Started	Date Term is to End
Chair	Steve	Colwell	BAS	UK	src@bas.ac.uk		

Please identify early-career researchers with * in first column

Other members

See <https://legacy.bas.ac.uk/met/jds/met/members.htm>

Additional information (optional)

Please add any more detail here that you wish, on your subgroup activities, papers published, etc.

Notable Papers

(Five to ten most notable papers – see the example below, which includes a brief statement (shaded) indicating the link to the group)

Direct support from outside organisations received for your activities

(Numbered list with values indicated if direct cash support. Please restrict in-kind support to substantive in-kind support only)

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

(Numbered list of substantive collaborations)

Within SCAR

- 1.

Outside SCAR

1. WMO

Outreach, communication and capacity-building activities

Brief highlights of any activities undertaken since the SCAR Delegates meeting in 2018.

SCAR fellowship reviewers

Please list one or more people (name and email address) from your group 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
Steve	Colwell	src@bas.ac.uk	Operational meteorology