



SCAR Group

SG

Person  
Responsible:

PSG

PS

D. Bromwich

## SCAR Executive Committee Meeting 2017

Brno, Czech Republic, 31 July - 2 Aug 2017

# Physical Sciences Group 2016-2017 Report

**Report Author(s): David H Bromwich**

**Summary of activities from 2016-17 and any other important issues or factors (<150 words):**

GRAPE is preparing a Scientific Research Programme proposal to be presented in Hobart in 2020 called RESOURCE (Radio Sciences Research on Antarctic Atmosphere).

PSG, OpMet, SORP, and SOOS are collaborating with the WMO's Polar Prediction Project to establish the Year of Polar Prediction in the Southern Hemisphere (YOPP-SH).

ASPECT and FRISP organized major international meetings.

IPICS and ISMASS had/have major publishing efforts.

**Recommendations that EXCOM and Scientific Group Chief Officers should consider (if any):** *Please indicate if approval is necessary or if they are just asked to note information.*

None

## Progress and Plans:

### **Major Activities and Significant Progress from the past year (<500 words):**

#### **Key Highlights**

GRAPE is preparing a Scientific Research Programme proposal to be presented in Hobart in 2020 called RESOURCE (Radio Sciences Research on Antarctic Atmosphere)

PSG, OpMet, SORP, and SOOS are collaborating with the WMO's Polar Prediction Project to establish the Year of Polar Prediction in the Southern Hemisphere (YOPP-SH). There was a major planning meeting held at the National Center for Atmospheric Research in Boulder, Colorado, USA in June 2017, and was targeted at entraining the oceanographic community into YOPP-SH.

ASPeCt scientists organized and participated in the IGS International Symposium on The Cryosphere in a Changing Climate, held in February 2017 in New Zealand.

FRISP: Organized two international workshops in Sweden and Norway.

IPICS: Publication of joint special issue in *Climate of the Past and Cryosphere* resulting from the Second IPICS Open Science Conference (7-11 March, 2016, Hobart) that had significant funding from PSG in previous budgets.

ISMALSS is preparing a review paper on the contributions of the Antarctic and Greenland ice sheets to future sea level under a 1.5°C warmer world for consideration by IPCC.

### **Major Future Initiatives and Actions, including rough timeline, for at least the next 2 years (<500 words):**

GRAPE is preparing a Scientific Research Program proposal to be presented in Hobart in 2020 called RESOURCE (Radio Sciences Research on Antarctic Atmosphere)

YOPP-SH special observing period will be held November 15, 2018- February 15, 2019.

### **Please list any new outputs and deliverables (including publications and products that your group feels are part of your achievements):**

See EG-AG reports

**If your Expert/Action Group produces data, please report any new data generated and links to inclusions to the Antarctic Master Directory, etc.**

See EG-AG reports.

## Budget

### Planned use of funds for 2017 and 2018

| Month/Year<br>(MM-YY) | Purpose/Activity                       | Amount<br>(in USD)      | Contact<br>Name | Contact Email      |
|-----------------------|--|-------------------------|-----------------|--------------------|
| 06-17                 | YOPP-SH<br>Planning                    | \$4500<br>Discretionary | D.<br>Bromwich  | bromwich.1@osu.edu |
| 06-18                 | Polar2018<br>Participation by<br>EG-AG | \$3500<br>Discretionary | D.<br>Bromwich  | bromwich.1@osu.edu |
|                       |  |                         |                 |                    |
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|                       |  |                         |                 |                    |
|                       |  |                         |                 |                    |

**Briefly describe what the funds will be used for and what the desired results are:**

2017: Get YOPP-SH planning for the special observing period well advanced. Entrain the oceanographic community into YOPP-SH.

2018: Promote participation in Polar2018.

**Provide an estimate on the % of the budget to be used for support of early career researchers:**

2017: 70%

2018: 100%

**Provide an estimate on the % of the budget to be used for support of scientists from countries with developing Antarctic programmes (as listed here: <http://www.scar.org/finances/contributions>):**

2017:33%

2018: 50%?

## Linkages

**Please describe any direct support you receive for your activities beyond SCAR (eg. Funds from another organization for a workshop):**

YOPP-SH Planning Meeting: From the Polar Prediction Project via the World Meteorological Organization. US CLIVAR funded the joint meeting between YOPP-SH and SORP.

**Please list any major collaborations your group has with other SCAR groups and with organisations/groups beyond SCAR:**

See EG-AG reports.

## Outreach and Capacity Building

**Please describe any outreach, communication and capacity building activities that your group participates in. Also provide information on activities that demonstrate effectiveness as a network. (coordinating activity for your discipline/topic, i.e. mailing list and diversity of scientists involved) (<250 words):**

See EG-AG reports.

As part of SCAR's Capacity Building efforts, such as the Fellowships and Visiting Professor Awards, we are looking for people from all the SCAR groups to form a 'review panel' so if applications in your field are submitted we have people to contact to help assess relevant applications. **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.**

David H Bromwich

## Membership

### Leadership

| Role | First Name | Last Name | Affiliation | Country   | Email                     | Date Started | Date Terminated |
|------|------------|-----------|-------------|-----------|---------------------------|--------------|-----------------|
| CO   | David      | Bromwich  | PSG         | USA       | bromwich.1@osu.edu        | 2012         | 2020            |
| D-CO | Adriana    | Gulisano  | PSG         | Argentina | adrianagulisano@gmail.com | 2016         | 2020            |

|                  |       |         |     |    |               |      |      |
|------------------|-------|---------|-----|----|---------------|------|------|
| <b>Secretary</b> | Steve | Colwell | PSG | UK | src@bas.ac.uk | 2012 | 2020 |
|                  |       |         |     |    |               |      |      |

\* Please include any APECS representative / Junior Officers

**Other members**

| First Name | Last Name | Affiliation | County | Email |
|------------|-----------|-------------|--------|-------|
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**Requests to the Secretariat:**

*If there are specific administrative tasks you would like help with such as your webpages, mailing list, online meeting tools, etc., please include them below:*

I'll send the EG-AG reports separately and would like to get them posted online for the Brno meeting.