



SDM **39**
 Agenda Item: 8.4
 Person Responsible: K. Lochte and E Griffin

**XXXV SCAR Delegates Meeting
 Davos, Switzerland, 25-26 June 2018**

**Capacity Building, Education and Training,
 including future plans**

Report Authors

Karin Lochte (Germany) and Eoghan Griffin (Secretariat)

Summary

Through 2017 and into 2018 the CBET Committee worked on the roles defined and approved at the 2016 Delegates meeting with teams assigned to each role. The Committee has reconstituted its membership, importantly including greater representation from Early Career Scientists in collaboration with APECS. In collaboration with the Development Council extra funding was successfully solicited to support both the Fellowships and Visiting Professor schemes for 2017. A new Medal for Education and Communication has been created and the first award will be made at the Polar2018 meetings. SCAR administration of the Tinker-Muse Prize has been renewed for one year, to complete 10 awards of the Prize.

Recommendation

Delegates are asked to note the establishment of a Review of the Visiting Professor scheme, in part to address the low number of female applicants and the high number of applications failing to address the objectives of the scheme. There will be a further round of requests for additional contributions from members to support a greater number of awards within the SCAR CBET activities. Delegates are asked to proactively consider opportunities to assist in this funding.

Summary Budget 2017 to 2020

In 2017 the CBET budget of USD\$3,000 was used to support 2 Early Career Scientist attendees at the Polar Educators International (PEI) Workshop in Italy with travel grants of USD\$500 each. These were the only representatives from South America and Asia at the meeting. Two awards of USD\$1000 each were provided for an Early Career Scientists to attend the Polar Science Communication Workshop in Boulder, Colorado in August 2017 and for travel to the Polar Prediction School in 2018. In 2018 the full budget has been allocated to support Early Career Scientist attendees at Polar2018. For 2019 and 2020 the annual budget will also be allocated to support those requests best meeting the goals of the CBET Committee.

	2017	2018	2019	2020
	Spent	Allocated	Request	Request
(US\$)			3000	3000



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Update on the activity and membership of the CBET Committee

- Online Meeting on 13th December 2016 attended by 4 Committee members - Action Plan approved addressing each of the redefined CBET tasks.
- Online Meeting on 27th March 2017 attended by 7 Committee members - Teams for each of the tasks identified and progress noted.
- Online Meeting on 23 November 2017 attended by 6 members to discuss new SCAR website and outcomes from 2017 ExCom meeting
- Online Meeting on 12th April 2018 attended by 8 members to discuss Polar2018 events, 2018 schemes, relationship with PEI and “What is SCAR” video
- 3 APECS representatives have volunteered and been appointed to the Committee – Hanne Nielsen, Gabriela Roldan and Alex Thornton. All hold leadership roles within the APECS Executive.
- Gary Steel, Liz Pasteur, Viviana Alder and Satoshi Imura have stood down from the Committee owing to other commitments.

Update on Action Plan (January 2018)

During the CBET meeting, 26 August 2016, Kuala Lumpur a list of tasks and responsibilities was discussed. For each task a plan for actions to be carried out and this update reflects changes as a result of progress on the tasks and in the light of personnel or targets.

1) Overseeing the review of our Fellowship applications and reporting (leading: Jose Xavier)

- Achieved: Secretariat included a list of Keywords in the Fellowship application form to be selected by applicants. The same Keyword list is sent to the reviewers list for them to select areas of expertise, and to the wider community to expand the reviewers list. This allows an easier job of assigning an application to relevant reviewers.
- Tasks: Efficiency of the process, update FAQs and applications based on feedback, updating the list of reviewers, overseeing final selection process
- Actions: Check efficiency of the process and update FAQ; investigate further possibilities for reviewing.

2) Liaise with representatives in the education field (leading: PEI with Advisory Team to include South American and Asian representatives)

- Achieved: Provided regular Education resources for SCAR news items and SCAR Newsletter. SCAR holds PEI funds to aid their administration.
- Tasks: Collating information on relevant external resources and opportunities for young scientist and educators, advising SCAR on best practices to support CBET activities.
- Actions: Establish the advisory team; develop a list of external funding opportunities for young scientists that can be extended with time
- Next Steps: Secretariat to follow up with PEI on leadership and expanding team



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3) Liaison with the SG, SRP and Task Group leadership to monitor the level of funding for Early Career Scientists (ECS) and effectiveness as network nodes, specifically addressing openness towards the whole community (leading: Rahul Mohan with Alexander Thornton)

- Achieved: Produced an extensive list of the Outreach activities already reported by Groups with “best practice” highlights identified.
- Tasks: Examine the Group reports extracting information on support for both ECS and developing programmes, consult with groups on examples of best practice.
- Actions: Make contacts to SG, SRP and Task Group leaders regards support given to ECS and developing SCAR programmes; develop an overview of support given by the different groups; provide examples of best practices.
- Next steps: Rahul and Alexander to prepare survey on ECS representation.

4) Liaison with the Development Council to investigate extra funding for the Fellowships and other programs through additional voluntary contributions and other means (leading: Karin Lochte)

- Achieved: Additional Voluntary Contributions meant one extra Fellowship and 3 extra Visiting Professorships were available in 2017.
- Tasks: Produce a funding strategy to be used for directed fundraising, develop interaction with IAATO for targeted funding etc.
- Actions: Working with national representatives to increase national support for fellowships or visiting professors programme; contact IAATO to discuss potential fund raising actions on tourist ships, development of a SCAR brochure for tourist ships.
- Next Steps: Development Council to continue development of SCAR brochure and engagement with IAATO. Further letter to be sent to those programmes that expressed support but were unable to fund in 2017.

5) Organizing mentoring to investigate the best way to provide support for potential Fellowship applicants (leading: Karin Lochte and Hanne Nielsen)

- Achieved: Identified group of previous Fellows volunteering to mentor applicants.
- Tasks: Work with volunteers and Junior Officers to mentor Fellowship applicants.
- Actions: request contact points from SGs and SRPs to assist potential applicants with identifying hosts (also use survey being prepared by Alex and Rahul) in combination with Junior Officers; develop questionnaire targeted at potential applicants from developing Antarctic programmes about their mentoring needs; organize translation of FAQs and information material.
- Next steps: Alex Thornton and Hanne Nielsen to draft Google form for anonymous queries from Fellows applications. Eoghan and Karin to follow up with previous Fellow volunteers.

6) Develop a plan for improved capacity building for developing programmes (leading: Daniela Liggett assisted by Azizan and Karin)

- Tasks: Develop a concept for capacity building for developing programmes by SCAR groups.



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- Actions: Define “developing programme”; develop list of discipline specific points of contact in the SCAR groups; develop check list which activities of SGs, SRPs and Task Groups support capacity building for developing programmes.
- Next Steps: Karin to draft letter to developing programmes requesting capacity building needs, circulate to Daniela and Azizan.

In order to move forward with these tasks, online meetings will be conducted at least every 6 months for the committee, with the small groups supporting each role interacting more frequently.

Overview of the Capacity Building Schemes

The SCAR Fellowship Scheme

- SCAR and COMNAP schemes now being evaluated separately after request from COMNAP EXCOM, and implemented in 2017.
- Keyword matching between applicants and reviewer expertise was implemented in 2017 – which also removes one stage from the reviewing process.
- A joint SCAR-COMNAP-APECS Spanish language Fellowships mentoring webinar was held in March 2017, with 46 participants and generally positive feedback.
- Success in attracting Humanities applicants, now more than either Physical or GeoSciences based applications, however Life Sciences still dominates.
- In 2017, 38 SCAR applications (37 SCAR only in 2016, 4 COMNAP only, 13 Combined).
- India provides funds for an additional Fellowship in 2017.
- Prince Albert II of Monaco Biodiversity Fellowship is awarded annually, last full contribution likely in 2018.

The SCAR Visiting Professor Scheme

- In 2017 there were 9 applications, up from 8 in 2016.
- Three additional Visiting Professorships for 2017 due to contributions from Norway, Switzerland and India.
- There were however no female applicants in 2017 and there was only one female applicant in 2016.
- Several applications each year pay little or no attention to the basic mission of the scheme.
- A review of this programme has been planned and will begin in 2018.

The Tinker-Muse Prize

- 2017 and 2018 both had 8 nominations, the same number as in 2016, although lower than the prior 3 years when there were 12-15 nominations.
- The 2017 winner was Professor Matthew England of University New South Wales, Australia, and the Award Ceremony was held at the



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International Conference for Southern Hemisphere Meteorology and Oceanography (ICSHMO) meeting in Sydney in February 2018. The 2018 winner is Prof Mike Meredith of the British Antarctic Survey, UK, and his Award Ceremony will be held on Thursday June 21st as part of the Polar2018 meetings.

- The existing agreement for SCAR to administer the Prize expired in 2017 but a renewal for one year has been granted, covering year 10 of the Prize.
- The 10th award of the Muse Prize will be celebrated through events at Polar2018, a short video and potentially a dedicated event later in 2018.

Action Items

- The Visiting Professor Scheme Review to consider the proposal for broadening the interaction of the Visiting Professor(s) with the host national programme; information provision, distribution and availability to the community; level of the award funding; overlap with existing national programmes; definition of “Professor” and the potential inclusion of ECRs as Visiting Professor applicants.
- Secretariat to develop and publish “Get involved” page(s) for SCAR website
- Alex Thornton and Hanne Nielsen to draft Google form for anonymous queries from Fellows applications.
- Secretariat to add further direction on the Visiting Professor webpages on the purpose of the scheme. Frame with the purpose of the scheme first and details later.
- Secretariat to contact Polar Educators International with a view to establishing leadership within the Education liaison Task group.
- Alex Thornton and Rahul Mohan to draft and circulate survey on ECR representation to Committee.
- Karin Lochte to develop further funding request to National Committees, targeting those already expressing support but not yet contributing, with Development Council members and Secretariat.
- Karin Lochte to develop tourist ship brochure with Development Council members and IAATO.
- Karin Lochte to follow up with previous SCAR Fellows that agreed to act as mentors.
- Eoghan Griffin to tailor package of information for previous SCAR Fellows and send to Karin.
- Secretariat and/or Karin Lochte to draft and circulate enquiry to newer member programmes on their capacity building needs.

Future Plans

- Action and Expert Group reports prepared for EXCOM 2017 and XXXV Delegates Meeting 2018 will be used to add information to the list of examples of



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Outreach and Capacity Building activities. There will hopefully also be a broadening of the pool of reviewers for Fellowships.

- Developing further mentoring support, provided by APECS and SCAR, for Fellowship applications.
- Full review of the Visiting Professorships with the aim to focus more on its original mission of providing support for developing programmes and to broaden the range of applicants.