

## **MEETING OF THE ARRCU SIG EXECUTIVE AND ADVISORY COMMITTEES**

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Date: December 6, 2018 (videoconference)

**PARTICIPANTS:**

Paul Kushner (chair), Adam Monahan (vice-president) Pierre Gauthier (secretary-treasurer), Randall Martin, Paul Myers, Sylvie Roy, Rebecca Saari, Rawni Sharp, Kim Strong, Roland Stull, Peter Taylor

**REGRETS:**

Hind Al-Abadleh, John Gyakum

### **1 Adoption of agenda**

### **2 Review of actions**

ARRCU1.4: ARRCU-SIG will consult the CMOS scientific committee on the review of the research classification for clarification from NSERC about what is required from us, and return an answer to them once the timeline of a decision required is known.
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Regarding the NSERC classification, Paul Kushner was consulted and gave some comments. No broad consultation has been initiated by NSERC. Sylvie Roy pointed out that there has been no real progress but there may be a second consultation in the spring.

ACTION 2.1. PG and PK: Contact the members of the advisory committee to know their preferences for the length of their term and then establish who will stay for one, two and three years.
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Based on your preferences, the executive proposes the lengths of service for the advisory committee as indicated in the table below.

The date of the term starts approximately in June at the annual CMOS Congress. Staggering the terms is to renew gradually the membership of the advisory and executive committees. The terms of three members (Gyakum, Strong, Saari) will then end in June 2019. Each can ask to renew, or propose someone to replace him or her. This will also be discussed at the next ARRCU open meeting to invite people to express their interest in being part of the advisory group. An announcement in the CMOS Bulletin could also be made.

The current executive will serve for three years (until CMOS Congress 2021). One position will then be open in 2021, another in 2022 and the third one in 2023. This will be discussed in 2020.

Advisory Committee		Length of term	
Members	Email	Preference	Length
Hind Al-Abadleh	<a href="mailto:halabadleh@wlu.ca">halabadleh@wlu.ca</a>	3 years	3 years
John Gyakum	<a href="mailto:john.gyakum@mcgill.ca">john.gyakum@mcgill.ca</a>	no reply	1 year
Kimberly Strong	<a href="mailto:strong@atmosph.physics.utoronto.ca">strong@atmosph.physics.utoronto.ca</a>	1 year	1 year
Randall Martin	<a href="mailto:randall.martin@dal.ca">randall.martin@dal.ca</a>	None	3 years
Paul Myers	<a href="mailto:pmyers@ualberta.ca">pmyers@ualberta.ca</a>	None	3 years
Peter Taylor	<a href="mailto:pat@yorku.ca">pat@yorku.ca</a>	1 or 2 years	2 years
Rebecca Saari	<a href="mailto:rebecca.saari@uwaterloo.ca">rebecca.saari@uwaterloo.ca</a>	2 years (01.2020)	1 year
Roland Stull	<a href="mailto:rstull@eos.ubc.ca">rstull@eos.ubc.ca</a>	None	2 years

THIS ACTION IS CLOSED.

### 3 Evaluation of CFCAS

ARRCU had an action to find out if there has been an evaluation of CFCAS: this would be useful to prepare for an eventual funding program.

ACTION 3.1 For the executive to seek a report on the evaluation of the CFCAS program.

After our meeting, Gordon McBean and Dawn Conway were contacted by Kim Strong and indeed such a report existed and was sent to us by Gordon McBean. This will be discussed at our next meeting.

THIS ACTION IS CLOSED.

### 4 CMOS position on the IPCC Special Report

An item that arose not tied to a specific ARRCU action was to discuss a CMOS position statement on the IPCC Special Report on global warming of 1.5°C. This statement was adopted by the CMOS Scientific Committee and is included in the documents for this meeting.

### 5 Budget and upcoming meetings

From previous budgets for SIGs, a budget of \$2500 from CMOS seems reasonable. The proposed budget would be

- \$1000: communications/admin/website help
- \$500: hosting costs
- \$1000: travel cost for a guest speaker at one of our events.

The basic activity plan for the year would be a year of regularly scheduled meetings and one or two focus workshops, with the first workshop being at IUGG and the second perhaps being held online.

Plans that are more ambitious could take place in 2019-2020. For example, an Open Science type meeting could be organized around the priority areas in the White Paper, specific Big Idea topics, or focus on major facilities like PEARL. A workshop at IUGG could feature science and policy related talks. Another idea could be to organize a meeting focused on Earth Observations seek in collaboration with UCAR for a meeting in fall 2019.

The CMOS congress will be held in Ottawa in 2020 and it could be ideal to hold an ARRCU meeting on this occasion to have an open science meeting on Canadian research. Ottawa in which ARRCU research activities are highlighted to illustrate the impact and potential of the community. Inviting prominent representatives from the major funding agencies to speak about their vision would increase their participation, and promote connections across ARRCU.

## **6 ARRCU-E white paper on education**

Paul Myers presented the status of the white paper on education. A first draft should be completed in January 2019 and will circulate for comments. It is important to have this document available quickly for a broad discussion while working on a position document for later.

Few new students are registering in programs in atmospheric science and this has brought several universities to reconsider maintaining them. A townhall meeting was held in Halifax last June and the participants expressed ideas on some avenues to be explored. This white paper will summarize the problem and ideas to promote interest in atmospheric, oceanographic and physical environmental programs.

Amongst new ideas, online courses were thought at first as a good idea to have courses developed jointly by many. However, online courses being available outside Canada, students may be drawn to those instead which could just make things worse for our own programs. Exchange of education material could be considered though. Open courses manage to get substantial audiences and several universities have such courses that raise their numbers of course-student.

## **7 ARRCU-I white paper on collaboration with industry**

Peter Taylor is leading this effort and we need to finish this paper. One important issue is the support of research in collaboration with industry for the development of applications. NSERC has developed revised terms for its partnerships programs, which will replace the *Strategic Partnership Project and Network* programs. The description page can be found here:

[http://www.nserc-crsng.gc.ca/NSERC-CRSNG/RPR-RPR/framework-documentcadre\\_eng.asp](http://www.nserc-crsng.gc.ca/NSERC-CRSNG/RPR-RPR/framework-documentcadre_eng.asp)

and the new framework of the *NSERC Research Partnerships program* can be found here:

[http://www.nserc-crsng.gc.ca/doc/RPR/Framework-Cadre\\_EN.pdf](http://www.nserc-crsng.gc.ca/doc/RPR/Framework-Cadre_EN.pdf)

This is an important development for CMOS and ARRCU to comment on and hopefully contribute to. Note that NSERC took some feedback from individual researchers and universities on an initial draft of this, including a letter co-signed by the CMOS President, to produce this latest version.

The new program broadens the range of partner organizations but with new requirements one of which being that in-kind contributions are not allowed anymore. The NSERC program will contribute for 50% of projects in collaboration with large industries, 66% for small and medium size industries. Government organizations and non-profit organizations can now be partners but there is a limit on the number of such grants. Some issues are still being discussed. This program may overlap with government's programs and it has always been a problem with the CRD to fund a collaboration with the government as this could lead to funds flowing from NSERC back to the government.

Peter Taylor also pointed out that the private sector offers few opportunities for research. Consulting NSERC's database, he found that in 2017-2018, there were only 4 projects funded by the CRD program. More opportunities would exist for collaboration with governments, federal, provincial or municipal.

ARRCU could work with the CMOS scientific committee to draft a comment on this document for submission before the deadline of January 2, 2019, and hope that they would be willing to incorporate input from ARRCU on this.

## **8 Next meeting**

The plan for the ARRCU Workshop to be held at IUGG will be discussed at our next open meeting. We will contact CSA to have an update on their consultation regarding their future plans that could involve universities. Ellen Gute will also present the University of Toronto Science policy.