ROADS Advisory Panel

Teleconference
27th February 2024, 15-1630 UTC, 16-1730 CET, 10-1130 EST

1. Welcome and Review of Agenda

The ROADS Advisory Panel (AP) Co-chairs, Sandy Starkweather and Lauren Divine welcomed participants (List of participants Appendix 1). Lauren provided an overview of today's agenda (Appendix 2) noting that meeting documents are available at the following workspace:
https://drive.google.com/drive/folders/1rm3aGZcGuKaVMagkNNpU8sOEzEChKWns

She also noted that minutes from the last AP meeting were available for review at:
https://docs.google.com/document/d/1S4q7m7fKMfyfHkHe0MnUsQPTqgU-8DNx/edit

2. Breakout groups for the review of the permafrost documentation

Participants were divided into two breakout groups to discuss the evaluation of the Permafrost Expert Group (EP) documentation on Phase I (Documentation available at Phase I Permafrost; Evaluation form available at Phase II Permafrost review). Participants considered that this time was well spent with good discussion taking place. Comments included:

- recognition of a significant amount of work in preparation of the documentation
- good to see an Indigenous co-chair of the EP; not clear who the other co-chair may be
- some prioritization of work is needed, with greater focus on activities; but not necessary to conduct any analysis at this phase
- add information on potential risks related to thawing material and infectious disease
- seek broader engagement - more Canadians and Indigenous engagement
- provide further justification/background on things in order to make the thought/decision process a little more transparent
- consider observation stations in the regions inhabited by Indigenous communities
- communication plan needs more detail
- provide more interlinking with established networks such as CALM, which EP members are working on that; note any gaps identified in other networks that are being worked on in this EP

Following discussion, AP members were asked to complete their individual evaluations as soon as possible so that the EP can make revisions in advance of the upcoming AOS/ASSW (see Agenda item #4 below). Jan Rene Larsen will develop a synthesis of all review comments and provide them to Heikki Lihavainen (AP champion with the Permafrost EP) who will liaise with the EP.

Action Item: *AP members are asked to completed their individual evaluations of the Permafrost Phase I documentation as soon as possible.*

3. Status of the Pilot Efforts

a. Salmon and HABs initiatives – Margaret Rudolf provided on update on both initiatives. The Salmon EP is finalizing funding for their work and Harmony Wayner (RNA CoOps) is working to establish the Panel itself. It is anticipated that the Salmon Phase I documentation will be ready in Fall 2024. The regional scope of the work will be in Bristol Bay, Alaska with some connections with Japan under consideration.

For the HABs EP, funding is again being finalized. Margaret noted that the work has been underway over the past months with a steady ramp-up of efforts. Lauren added that the process has been overwhelmingly positive to date. It is anticipated that Phase I documentation will be ready for AP evaluation in Spring 2024. She highlighted that there will be a strong focus on community-based monitoring along the Alaskan coastline.

At this point, Sandy highlighted a compliment received at the recent Alaskan Forum on the Environment that was led by RNA CoOps. The RNA CoOps efforts in relationship building have been very successful, with a focus on regional communities on the topics of salmon, HABs and coastal erosion observing. After the recent workshop, a representative from the Alaska Ocean Observing System (AOOS) wrote that “AOOS has been working to advance a HABS network in the state for some time and fully recognizes the value of engaging with Alaskan tribes on developing this network. SAON ROADS provides a process whereby an organization like AOOS, which is not itself an Indigenous organization, can play its part in an equitable process for establishing a useful network in Alaska."

b. Sea Ice - Talia Wells reported that good progress continues to be made in the establishment of the Sea Ice EP with geographic scope being refined (proposed focus is the Baffin Bay region), co-chairs being identified, thematic topics being identified, etc. A workshop is scheduled at the ASSW next month, where the EP members will finalize Phase I material and begin work on Phase II. Phase I documentation is anticipated for AP evaluation later in Spring 2024. Challenges have been faced in engaging with Indigenous organizations (e.g. understanding of level of involvement needs and funding needs); working in Baffin Bay region with two countries/languages; and clarifying relations between the Arctic PASSION sea ice work and the ROADS Sea Ice EP. Talia reported that they developed material to address these challenges - the Request for Participation document is available at:
https://drive.google.com/file/d/1IAl2wdLSHDS0kRLylikfCDgn1ni0mHjZ/view?usp=sharin
This participation document was considered as a valuable asset for other future EPs, as a “starter kit” that outlines what the EP should do and how to focus efforts regarding disciplines and issues. Talia agreed that the material could be shared.

c. Wildfires - Katriina Veijola reported that the North American (NA) Wildfire EP is well underway. It will be led by Chris Waigl and Lina Zschenderlein (FMI and working in Toronto, Canada) is a new member. The North American EP is starting with their Phase I documentation and will assist by reviewing the Finnish Wildfire EP documentation for Phases II and III. Katriina referenced the supplementary material on Phase II that has added value to the efforts (Supplementary review of Phase II in addition to evaluation from 11th December 2023). Jan clarified that the AP evaluation comments on the Wildfire EP were divided between immediate issues to be addressed; future work issues to be considered; and, comments that were directed to the AP on future evaluation work. Katriina concluded that Phase III documentation for the Finnish Wildfire EP is now underway. Sandy commented on the success of seeing a pan-Arctic approach emerging with work conducted both in Finland/Europe and now in Canada/Alaska. The lessons learned from the Finnish effort are serving useful for the NA work. Sandy also acknowledged the work done by Michael Morrison, WDS, in compiling an inventory of wildfire documentation and how valuable that has been for both the NA and Finnish EPs.

4. **Brief Check in on the Phase III/IV Mini-workshops** – Sandy reported on these ongoing informative mini-workshops on how observing and data system requirements and implementation strategies are structured, documented and evaluated across diverse activities. To date, workshops have been held on Indigenous and community-scale systems as well as regional systems. The next mini-workshop will be held on March 12th with a focus on global systems (draft agenda).

   Good positive feedback has been received on the mini-workshops, with a wealth of information being provided. Sandy noted that the landscape is complex and it will take the AP some time to synthesize and integrate all this great information into the ROADS efforts.

   As noted,the final mini-workshop will be completed in early March. Building on the information gained from all three mini-workshops will enable a rich discussion at the AOS/ASSW meetings in mid-March. Sandy noted that there may be a need for small writing teams to work over the summer months to continue to move the ROADS Phase III and IV efforts forward, with a target of draft documentation to be ready in mid-summer for review by the AP.

5. **Update on the Arctic Observing Summit (AOS) 2024, March 27-29**
   Alice Bradley reported that final touches are being done on the AOS meeting agenda. The draft program overview is available at https://docs.google.com/document/d/1O9hfnLjv0W4M4BqTnlT17jiyb7VGOTQiVTqoM8s9gjs/edit.
   There are several meetings scheduled that will be of value to ROADS AP; these are listing in Appendix 2 below. She noted that a keynote speaker on the Wildfire EP work is still be sought and that suggestions are welcomed. Travel support is available from

IASC for Early Career Scientists and Indigenous participation; details are available at: https://iasc.info/news/iasc-news/1226-assw-2024-travel-and-registration-fee-support-from-iasc-available
Sandy noted that SAON ROADS will have a booth at AOS to increase visibility and answer any questions on ROADS. She encouraged AP members to bring any related material to the booth and to drop by and support the booth whenever possible.

Details on registration for AOS were discussed and AP members were encouraged to register at: https://arcticobservingsummit.org/summits/aos-2024/

6. **International Conference on Arctic Research Planning (ICARP) IV** – Sandy reported that key ICARP IV developments will be occurring at ASSW in mid-March.
    a. ICARP IV Research Priority Teams (RPTs) – Margaret, Co-chair of the Research Priority Team II related to observing, reported that a two-day workshop is scheduled at ASSW, March 25-26. She is encouraging the RPT to be increasingly open and transparent in its discussions, and as such portions of the two-day meeting will be open to the ASSW participants. The RPT efforts include gap analysis and research priority setting in Arctic observing. João Canário and Jan noted that they are also on RPT II. Tetsuo Sueyoshi also noted that he is a participant on RPT IV, International collaboration and science diplomacy theme.

    b. Endorsement for ROADS - Sandy reported that efforts on finalize the documentation for ROADS endorsement by ICARP are nearing completion. Final touches in formatting will be completed in the coming weeks.

7. **Upcoming events**
Scheduled meetings include several listed in the agenda, Appendix 2 below.

8. **Closing Remarks**
The next ROADS AP meeting will be a mini-workshop on Global Systems scheduled for Tuesday, March 12th, 16-18 CET/ 10-12 am EST/ 15-17 UTC.

Appendix 1

Participants ROADS Advisory Panel Meeting

27th February 2024
Teleconference

Advisory Panel Member Participants

Alona Alexia, University of the North
Christine Barnard, ArcticNet
Alice Bradley, Williams College, AOS WG #4
João Canário, University of Lisbon, Portugal & IASC
Lauren Divine, Aleut International Association (AIA) – ROADS AP Co-Chair
Hanna K Lappalainen, PEXX
Heikki Lihavainen, Arctic PASSION & SIOS, Co-Chair of SAON CON
Gier Otterson, Institute of Marine Research, Norway
Margaret Rudolf, RNA CoObs (& Food Security Expert Panel)
Sandy Starkweather, NOAA, USA – ROADS AP Co-Chair
Tetsuo Sueyoshi, JAMSTEC/NIPR, Japan
Chantelle Verhey, World Data Systems (WDO), International Technology Office (ITO) & Co-chair Elect of SAON Arctic Data Committee
Katriina Veijola, FMI, Wildfires EP (Wildfire Expert Panel)
Talia Wells, Arctic Institute of North America, (Sea Ice Expert Panel)

Member Regrets Absent

Cathy Coon, CBMP/CAFF
Ola Grabak, European Space Agency
Sten Lund, Government of Greenland
Ilkka Matero, SIOS (Permafrost Expert Panel)
Tero Mustonen, SnowChange
Victoria Qutuuq Buschman, ICC
Volker Rachold, AWI Germany
Mikko Strahlendorff, FMI, Finland
Andrea Spolaor, CNR, Italy

Advisory Panel Ex-Officio members
SAON Secretariat – Jan Rene Larsen, Helen Joseph
SAON – IASC Fellow – vacant

Appendix 2 - Agenda

ROADS Advisory Panel

Teleconference
27th February 2024, 15-1630 UTC, 16-1730 CET, 10-1130 EST
Join Zoom Meeting
https://cuboulder.zoom.us/j/4105560408

Workspace for agendas and meeting notes:
https://drive.google.com/drive/folders/1rm3aGZcGuKaVMagkNNpU8sOEzEChKWns

1. Welcome and Update (if any) on Membership (Lauren, 5 min)
2. Breakout groups for the review of the permafrost documentation (random assignment) (Sandy, 40 min):
    a. Phase I Permafrost - Documentation
    b. Phase II Permafrost review - Evaluation form
    c. Phase II Permafrost review - outcomes
3. Status of the Pilot Efforts (~5 min each, Jan):
    a. Salmon and HABs initiatives (RNA CoObs, Margaret)
    b. Sea Ice (Talia Wells)
    c. Wildfires (Chris Waigl, Katriina Veijola, Lina Zschenderlein)
        i. Supplementary review of Phase II in addition to evaluation from 11th December 2023.
4. Brief check in on the Phase III/IV mini workshops (Sandy, 10 min)
    a. The next is on global systems (12th March), draft agenda
    b. Indigenous-led and community-scale systems - minutes
    c. Regional systems - minutes
    d. Timeline and process for synthesis and documentation development
5. Update on the Arctic Observing Summit 2024 (Alice, 5 min)
    a. Keynote speaker for wildfire
    b. ECS and Indigenous Participants to the ASSW and AOS to consider the travel support options offered by IASC: https://iasc.info/news/iasc-news/1226-assw-2024-travel-and-registration-fee-support-from-iasc-available
6. ICARP IV (Sandy, 5 min)
    a. ICARP IV Research Priority Teams (RPTs)
    b. Endorsement for ROADS
7. Upcoming events:
    a. ASSW2024 March 21-29: In order of date/time
        i. SAON's Arctic ROADS Booth throughout ASSW
        ii. Open Partners ROADS meeting - Sat. March 23rd 13:30-15:30 & 16:00-17:00 (UK) in Pollock (St. Leonards)/hybrid
        iii. Workshop on US AON's Benefit Tool - Sun. March 24th 9:00-10:00 & 10:30-12:30 in Salisbury (JMCC)/Hybrid
        iv. Indigenous Participation in ROADS - Sun. March 24th 10:30-12:30 in Holyrood (JMCC)./Hybrid
        v. Arena for the gap analysis of the existing Arctic Science Co-Operations (AASCO) - Sun 24th 11:00-12:30 in South Hall/Hybrid

vi. SAON Board meeting - Sun. 24th 13:30-15:30 & 16:00-17:30 in Holyrood (JMCC)/Hybrid
vii. ICARP IV Research Priority Team Workshop - Topic Area 2: Observing, Reconstructing, and Predicting Future Climate Dynamics and Ecosystem Responses - Monday all day in Pentland East (JMCC)/Hybrid

b. AOS 2024 - March 27-29
c. 2024 European Polar Science Week / 3-6 September 2024 / https://www.polar-science-week.eu/
    i. One of the themes are 'Polar observations, models and data'. Session proposals are due 15th March. Time allowed for sessions is 90 minutes.
d. Antarctica InSync: https://oceandecade.org/actions/antarctica-insync/

8. Actions items recap and closing remarks (Lauren, 5 min)
    a. The next meeting date will be 12th March, 16-18 CET/ 10-12 am EST/ 15-17 UTC.

Please reserve the third Tuesday every month 16-1730 CET / 10-1130 am EST / 15-1630 UTC. Agenda and other meeting documents will be made available here: https://roadsadvisorypanel.org/meeting-documents