

CoCom/Program issues for board - Fall 2017: BOARD RESPONSES

Resulting from CoCom Webinar on 26 October, and Board meeting 14-15 November.

Items Requiring Responses

1. (PASC/Others): PASC and other committees intend to develop a response to the Dear Colleague Letter regarding mid-scale research infrastructure addressing recapitalization needs. Most committees are encouraged to do this. Committees want to know if have to run by Board; i.e. if Board should review submissions.

The Board is happy to see responses sent from multiple groups both within and outside of IRIS for this Dec. 8 deadline. If a submission is related to an existing IRIS facility (e.g. GSN or PASSCAL), the Board would prefer to have the submission made through IRIS and the Board would like to have a chance to read and provide comments, but formal approval by the Board is not necessary. Please send any IRIS-generated responses to Bob Detrick so he can forward to the Board. The BOD would like to encourage the possible development of additional submissions on the topics of near-surface geophysics and polar seismology, either within IRIS or by members of the community.

2. (OBSIP) What are plans for OBSIP Oversight Committee? Should it stay active through the No-Cost Extension (through 1/2019)?

The Board agreed the OBSIP Oversight Committee should meet (virtually) once or twice as needed during the No-Cost Extension period of the present OBSIP award (1/2019) or until a replacement committee is stood up. Over \$1M in funding and two major field experiments will be carried out by OBSIP in 2018, and right now OBSIP-OC is the only oversight body until NSF sets up replacement mechanism. Individual OBSIP-OC members may want to contact NSF-OCE with their viewpoints on how community oversight could be provided to the new facility.

3. (DS): recommends Board advocate for National Research Council panel related to seismological infrastructure requirements and its necessity.

The Board agrees that it is important to keep seismological infrastructure highlighted in national planning. In 2011 the NRC released the National Earthquake Resilience report may cover some of the ground envisioned here; the Board would like to better understand the intended scope of a new report given the 2011 recommendations.

4. (IDS) **Board Agenda Item:** Discuss “next steps” recommendations on SZ4D: pan IRIS and joint with UNAVCO; coordinate w/ NSF and SZ4D. Recommend IRIS/UNAVCO form small joint committee to start building international partnerships and working on RCN proposal.

The Board was very supportive of the international SZ4D strategy developed by the IDSC and would like to see the first phase of this plan pursued. The Board did have some questions, in particular whether it would be better to submit one RCN proposal rather than two,

potentially competing proposals and whether the submitting organization should be IRIS/UNAVCO or a PI from a consortium member institution. It suggests the IDSC consider these issues before moving ahead. The Board also suggests that the overall strategy should be re-evaluated after the first step (RCN proposal(s)) and prior to committing to an MRI.

While supportive of the IDSC's strategy for developing an international component of the SZ4D, the Board recognizes that IRIS or consortium members may develop other additional strategies for developing SZ4D and pursue other infrastructure or national/international partnerships .

5. (PASC) **Board Agenda Item:** Approve PASSCAL data policy
 - Addressed most issues from last CoCom: Procedural aspects removed and replaced with links; PH5 stated as potential – not accepted standard
 - Does not address proportion of open stations that should be part of large experiments; continue for next revision

The Board approves this policy. In addition, the Board encourages PASC and DS to continue to consider policies and mechanisms for handling large-volume "Node" datasets either generated by IRIS-owned or other sensors, and either funded by NSF or some other source.

6. (GSN) **Board Agenda Item:** Propose GSN Design Goals Working Group, requests approval of charge, tasks and proposed membership; endorsed by ISSC Fall 2017.

The Board generally approves this proposal, with two modifications. The goals should separate design goals of current systems from aspirational systems (arrays, infrasound, etc.). Also, the membership of this working group should be more distinct from the GSN-SC and in particular, the chair working group should not also be chair of the GSN-SC .

7. (EPO, DS) **Board Agenda item:** in preparation for NCEO, EPO is considering holding their joint Spring meeting with the UNAVCO education (ECE) committee (before or after the UNAVCO workshop). Similarly, DSSC recommends that the Board consider the next round of SC meetings overlap w/ UNAVCO in Boulder in March pending NCEO recommendation.

To the extent that committees think this is appropriate, this is a good idea.

8. (CoCom) **Board Agenda Item:** Given impending NCEO, should members be allowed to stay on governance committees an extra year this year, where desired?

In many of the proposed examples the Board thinks this is a reasonable idea. Individual committee chairs will be contacted about specific Board-approved membership changes. The IRIS President will be contacting each Chair and Program Manager with the Board-approved recommendations for committee membership appointments.

9. (CoCom) **Board Agenda Item:** Standing Committees have provided the requested feedback on the Best Practices document through CoCom and look forward to

further engagement by the Board on this topic. Specific responses from individual programs are listed in a separate document.

The Board thanks the Standing Committees for their thoughtful deliberations. Based on that feedback a revised version of the Best Practices document is being circulated to the CoCom membership by the Board chair.

Informational Items

In general these items do not require Board response, and are included for completeness.

10. (DS) **Info:** The Data Provider Agreement (DPA) has been updated to address other data types (normally non-ground motion) wishing to submit data to the DMC. The new PASSCAL data policy references this and other Data Policies to help communicate these to PASSCAL PIs . DPA version 1.5 is on the DSSC pages.
11. (PASC) **Info:** PASC working with DS to ensure regular reevaluation of impact of Large Data Temporary Deployment policy as technologies change (PIs want to move to larger and larger N experiments). (DS) It is essential to educate the community on the existence of the Large Data Temporary Deployments (LDTD) policy so that PIs can plan accordingly.
12. (DS) **Info:** endorses miniSeed3 prototype development (Among other things, miniSeed3 accommodates large-N arrays).
13. (GSN) **Info:** endorses IRIS submitting a proposal to the NSF Seafloor Science and Engineering Research program to host a workshop related to long-term geophysical measurements on the seafloor.
14. (IS/TA) **Info:** Post-deployment TA concerns: Adoptions are intertwined with removal; long lead for logistics. The Canadian CCArray initiative is unlikely in near term.
15. (IS) **Info:** Concern regarding long-term Operations and Maintenance funding from USGS for CEUSN.
16. (IS/DS) **Info:** The Quality Assurance Advisory Committee (QAAC) is being refocused from original development of tools toward better assessing progress toward IRIS quality principles, including broadly evaluating quality control tools and strategic direction. Membership is being refreshed accordingly and a recommendation will be finalized by the ISSC and DSSC before the Board meeting.
17. (EPO) **Info:** interested in exploring potential for streaming Quake Catcher Network data to the DMC – feasibility and implementation discussions with DMC are underway.

18. (EPO) **Info:** Mars InSight mission set to launch May 2018 and data are to be provided to DMC for distribution ~April 2019. EPO plans to disseminate to schools via jAmaseis; JPL contract expected.
19. (EPO) **Info:** recommends that Distinguished Lecturers from more than 10 years ago can apply with new topic; will check with SSA board who co-sponsors the program.
20. (DS) **Info:** Discussing development of the Earth Model Collaboration (EMC) and related material, encouraging EPO engagement.
21. (DS) **Info:** Developing Strategic Priorities – SC drafting document to set priorities for the program to align with strategic plans.
22. (DS) **Info:** DS is working with IS to recommend the approach to follow regarding the distribution of curated, stable data collections as final products (e.g. TA when completed, or Cascadia data sets). Options include distribution on a physical device (data brick) or from a copy of the product in a “cloud” location. DS is recommending a phased approach beginning with the development of 100% error-free method of transferring data from the DMC to the end user, followed as appropriate with other methods. Communication is currently taking place between IS and DS.
23. (DS) **Info:** DS is compiling community responses advocating for the continuation of DS Data Workshops, DS will present to Board when complete. Context: NSF has been pushing back on supporting them and required that funding for them be removed in SAGE Year 5 budget.
24. (DS) **Info:** Endorses managing pre-digital Carnegie Institution of Washington (CIW) data if Data Provider Agreement requirements are met. CIW indicates that the DPA requirements will be met.