**SEARCH Science Steering Committee & Action Team Meeting**



Wednesday-Thursday, 25-26 May 2016

(26th is SSC Executive Session)

EOL Atrium Conference Room, Foothills Lab, Building 1

3450 Mitchell Lane, Boulder, Colorado

**Tentative Agenda**

**Wednesday, 25 May**

8:30 am Check-in. Coffee & tea available

9:00 am **Welcome and Opening Remarks** (Caspar)

* Overview of the meeting (both days)
* Goals for the day: The agenda is structured as an outcome-focused meeting and each agenda item has an associated desired outcome listed underneath. Agenda will be adaptive, so that we can change details as needed to achieve outcomes.

9:15 am **SEARCH Business Items**

* NSF Reporting (Brendan; 5 min)
* Read-Ahead A –NSF Year-2 Budget vs. Reporting Terms
* Outcome: SSC & AT leads have a clear understanding about timelines for reporting and fund release moving forward.
* Expanding community participation in SEARCH (Brendan; 15 min)
* Read-Ahead B - Expanding community participation in SEARCH
* Outcome: SSC & AT leads decide on next steps for how to expand opportunities to expand community participation in SEARCH
* SEARCH External Review Committee (Caspar; 10 min)
* Read-Ahead C – External Review Committee
* Outcome: Decision on next steps for SEARCH external review
* SEARCH Terms of Reference (Caspar; 15 min)
* Read-Ahead D - SEARCH Terms of Reference (ToR) with proposed edits from Caspar
* Outcome: Decide if there are remaining issues that need further discussion; full group recommends whether the SSC should accept it with or without further modifications. SSC will vote on adopting ToR in Executive Session on Thursday.

10:00 am **Science Talk**

Alexandra Jahn, University of Colorado: How Predictable is the Timing of a Summer-Ice Free Arctic?

10:15 am BREAK

10:30 am **Action Teams & Work Group Reports**

Read-Ahead E for Action Team Reports: – SEARCH Report & Milestones as Submitted to NSF

* 10:30 am: Sea Ice Action Team   
  (Presenters: Jennifer Francis & Matthew Druckenmiller)
* 10:50 am: Land Ice Action Team (Presenter: Allen Pope)
* 11:10 am: Permafrost Action Team (Presenter: Ted Shuur)
* 11:30 am: Communications Working Group (Lisa Sheffield Guy)
* Read-Ahead F – Communications Working Group update
* Outcome: SSC & AT leads agree on goals, key audiences, communication tool priorities, and next steps for implementation of working group recommendations.

12:00 pm LUNCH (Cafeteria)

**System Science and Cross-cutting Activities**

Goal for this session: Decide a way forward on the priority system-level and cross-cutting activities: what we’ll do, how we’ll do it, and who will do it.

1:00 pm Arctic Observing: A Special Case of a Cross-cutting Activity (George)

*Participants will be asked to share thoughts via a round-robin discussion.*

* + Read-ahead I – AOS Conference Statement
  + Read-ahead J – NPEO Support for Arctic Science Ministerial
  + Outcomes are to decide on:
    - What is SEARCH’s role in Arctic Observing, if any? What kinds of activities should SEARCH undertake, if any, given our resources?
    - Given the decision above, what specific activities should SEARCH undertake in Year 2?
    - What kind of structure or leadership is needed to implement the activities?
    - What are the next steps in implementation, including identifying lead(s) for priority activities?
    - SEARCH contribution to Arctic Ministerial meeting.

2:00 pm Scope and Role of System Science: How do we Define “System Science? (Brendan; 30 minutes)

* + Read-ahead G: Memo: SEARCH’s role in Systems/Synthesis Science; Gell-Mann “CLAW” paper; Hansen et al. paper
  + Outcome: The group shares the same definition and vision of system science for SEARCH and can consistently articulate this vision (i.e., we all have the same “elevator speech”).

2:30 pm BREAK (or schedule as needed)

2:45 pm Cross-cutting Activities (Facilitation by Helen & ARCUS staff; 90 min)

*Participants will be asked to share thoughts via a round-robin discussion. The exact structure of the afternoon discussions can be adapted as needed, e.g., if we want to break into smaller discussion groups.*

* How to frame and choose cross-cutting activities: discuss criteria for what makes a good cross-cutting activity for SEARCH
* Quick review of current ideas for cross-cutting activities, including those in the proposal (e.g., scenarios) and ideas put forward more recently (e.g., coastal erosion)
  + Read-Ahead H - Cross-cutting activities in original SEARCH proposal and additional activities that have been discussed
  + Outcomes: Decide on which cross-cutting activities to pursue and an initial plan for how each would be implemented (e.g., if a working group is needed, assignments for fleshing out a more detailed plan for each)

**4:15 pm Agency Engagement**

* Interagency Arctic Research Policy Committee (IARPC) (Brendan; 10 min)
* Read-ahead K - SEARCH input to IARPC 5-year plan
* Outcome**:** Agreement on formalized IARPC engagement plan, including engagement in Collaboration Teams
* Agency Engagement – Other Agencies (Brendan; 20 min)
* Outcome**:** Agreement on priority agencies & opportunities to target for SEARCH support. Identify leads to assist with key agency interactions.

*(Note: This agenda item may be moved to Executive Session on Thursday if more time needed for decisions associated with cross-cutting activities)*

**4:45 pm Summary of Decisions, Outstanding Issues, & Next Steps** (Caspar)

**5:15 pm Adjourn for Day**

**6:00 pm Group Dinner:** Boulder Cork Restaurant, 3295 30th St.

**Science Steering Committee Executive Session**

*Science Steering Committee members and invited staff*

**Thursday, 26 May 2016**

8:00 am Coffee & tea available

**8:30 am SEARCH’s Role, Progress, and Needs Moving Forward** (All)

* Brief summary of Day 1, highlighting any outstanding issues or decisions
* Role of SEARCH: Facilitating vs. producing science
* Read-ahead L - Internal SSC Discussion Paper
* Outcome**:** SSC agreement and written articulation on SEARCH’s role facilitating vs. producing science
* Progress on Year 2 Activities, any adjustments to tasks as laid out in Year 2 plan
* Outcome: Decide on any changes or adjustments to Year 2 activities & progress

10:00 am BREAK

10:15 am SEARCH’s Role, Progress, and Needs Moving Forward (continued)

**11:15 am Terms of Reference** (Caspar)

* Possible Outcomes: 1) Vote on adoption of the Terms of Reference without edits/amendments, 2) Vote on adoption with edits or amendments, 3) Decide to re-draft and postpone vote for next meeting.

11:25 am WORKING LUNCH (Cafeteria “take out”)

**12:15 pm Cross-cutting Activities** (All)

* Outcome**:** Make decisions remaining from Wednesday’s discussions on priority cross-cutting activities and next steps.

**1:00 pm SSC Member Roles & Responsibilities, Needed Perspectives, Nominations** (Brendan)

* Read-ahead M - SSC member nominations
* Read-ahead N - SSC rotation spreadsheet
* Outcomes**:**
* Agree on what perspectives are needed going forward (this should be informed by the last 2 days of discussions at the meeting)
* Nominate Vice-Chair candidates
* Vote on 3-4 new SSC member candidates
* Agree on timeline for next round of rotations

**2:00 pm Adjourn Executive Session & Meeting**

2:30-4:30pm Executive Director, SSC Chair, & ARCUS Staff Meet