Workshop on Future Directions for Arctic Research Logistics
7-9 October 2013
Hilton Arlington • 950 North Stafford Street • Arlington, Virginia

Final Agenda (Edited post-meeting)

This meeting will follow an adaptive model for the agenda; we will adjust times, sessions, and specific topics as needed throughout the meeting.

SUNDAY, 6 OCTOBER 2013
Registration and materials pick-up available 6:30-8:00 pm outside Gallery II/III meeting room.

MONDAY, 7 OCTOBER 2013
All workshop plenary sessions held in Gallery II/III Meeting Room (Mezzanine Level).

7:45 am Registration and continental breakfast available

8:30 am Plenary: Overview and Setting the Stage
• 8:30 am: Welcome, purpose, and products of workshop (Jackie Richter-Menge, Cold Regions Research and Engineering Laboratory, Workshop Co-Chair)

• 8:40 am: Comments from the National Science Foundation (Jen Mercer, ALEX Alternative Experts, on behalf of NSF due to government shutdown)

• 9:10 am: Comments from the Interagency Arctic Research Policy Committee (Sandra Starkweather, IARPC)

• 9:20 am: Changing science priorities and changing support needs (James Morison, Polar Science Center, Workshop Co-Chair)

• 9:40 am: Review of community survey results (Matthew Shupe, University of Colorado/NOAA, Workshop Organizing Committee member)

• 10:00 am: Plan for the day; details on Breakout Session I (Jackie Richter-Menge)

10:15 am Break

10:30 am Breakout Session 1: A Shared Vision of Future Logistics Support
Participants will be divided into six groups, each addressing the same topics.

Breakout group leads (Workshop Organizing Committee members):
• Group 1 lead: James Morison
• Group 2 lead: Jackie Richter-Menge
• Group 3 lead: Matthew Shupe
• Group 4 lead: Sophia Perdikaris
• Group 5 lead: Steve Oberbauer
• Group 6 lead: Peter Griffith
Breakout group discussion topics:
- Group members introduce themselves/ice-breaker, review meeting ground rules
- Envision Arctic field research 10 or 20 years from now in an ideal world (i.e., no funding constraints):
  - What does field research “look like”?
  - What logistics support is in place?
  - How is the support delivered?
  - How would it be the same or different from today?
  - How would we foster interdisciplinary science and system-level understanding?

12:00 pm  Lunch (On your own)
1:15 pm  Plenary: Breakout group reports, discussion, plan for afternoon

2:15 pm  Breakout Session 2: Logistics Needs for Arctic Domains
Participants can select which breakout group to join. Break as needed.

Breakout groups:
1) Terrestrial (Group Lead: Steve Oberbauer)
2) Marine (Group Leads: Jackie Richter-Menge and James Morison)
3) Atmosphere (Group Lead: Matthew Shupe)
4) Social Sciences (Group Lead: Sophia Perdikaris)
5) Ice Sheets (Group Lead: Mary Albert)
6) Coastal (if needed) (Group Lead: Craig Tweedie)

Breakout group discussion questions:
- Introductions
- What’s needed in the long term (10-20 years) to do the best science? These can range from expensive, long-term needs to smaller, immediate needs.
- Are there logistics limitations that are preventing the best science? How do we overcome these limitations?
- How can we foster interdisciplinary science and system-level understanding through research and logistics support?
- Needs and recommendations should be phrased so that they are concrete, specific, and “actionable” (i.e., something can be done about it, rather than a vague goal).

4:00 pm  Plenary: Breakout group reports, discussion, begin to highlight common themes or areas of disagreement
5:15 pm  Adjourn for the day
TUESDAY, 8 OCTOBER 2013

8:00 am  Continental Breakfast

8:30 am  Plenary: Recap of yesterday, today’s plans

9:00 am  **Breakout Session 3: Logistics Needs, Research Tools & Platforms**
          *Participants can select which breakout group to join. Break as needed.*

  **Breakout groups**
  1) Alaska sector (includes Toolik, Barrow, other hubs, and remote locations)
  2) Greenland sector (includes Summit and remote locations)
  3) Marine operations (includes research ships, oceanographic studies, etc.)
  4) Ice camps (short term and long term, shore fast)
  5) Autonomous platforms in ocean, air, ice, and land (AUV, UAS, buoys, automated stations, satellites, etc.)

  **Breakout group discussion questions:**
  - Introductions
  - What’s needed in the long term (10-20 years) to do the best science? These can range from expensive, long-term needs to smaller, immediate needs. Needs for interdisciplinary and system-level science should be considered.
  - Are there logistics limitations that are preventing the best science? How do we overcome these limitations?
  - Needs and recommendations should be phrased so that they are concrete, specific, and “actionable” (i.e., something can be done about it, rather than a vague goal).

11:00 am  Plenary: Breakout group reports, discussion, plan for the afternoon; discuss format of workshop report/products

12:15 pm  Lunch (On your own)

1:30 pm  **Breakout Session 4: Cross-cutting Issues**
          *Participants can select which breakout group to join. Break as needed*

  **Breakout groups:**
  1) Interagency coordination (including public and private sectors)
  2) International coordination
  3) High-level coordination of field opportunities and assets (e.g., improved communication)
  4) Capacity building (e.g., training new researchers and logistics providers)
  5) Maximizing safety and minimizing risk
  6) Fostering interdisciplinary science and system-level understanding
**Breakout group discussion questions:**

- Introductions
- For each cross-cutting topic, what is the vision of the best-case scenario in 5-10 years?
- What steps or actions should be taken to achieve that vision?
- Needs and recommendations should be phrased so that they are concrete, specific, and “actionable” (i.e., something can be done about it, rather than a vague goal).

3:30 pm Plenary: Breakout group reports, discussion

5:00 pm Adjourn for day

5:30 pm Reception: The Front Page Restaurant
-6:45 pm (4201 Wilson Boulevard, 1 block from hotel)

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**WEDNESDAY, 9 OCTOBER 2013**

8:00 am Continental Breakfast

8:30 am Morning Plenary: Recap of yesterday, today’s plans

9:00 am **Breakout Session 5: Synthesis and Prioritization**

*Participants will be divided into groups, each group addressing the same topics.*

Groups to draft two items:
1) An “elevator speech” that sums up key recommendations
2) Draft table of contents for report

10:30 am Break

10:45 am Plenary: Report from breakouts, final workshop recommendations and key points

12:15 pm Wrap up: Plan for products, timeline, and responsibilities

12:30 pm Workshop adjourns

*The Workshop Organizing Committee and a few additional participants will convene in the afternoon for writing/product development.*