

2002 ARCSS All-Hands Workshop
Bell Harbor International Conference Center
Seattle, WA
February 20-22, 2002
Tentative Agenda

Tuesday, February 19, 2002

Evening (Sound Conference Room and Lobby outside Harbor Dining Room)

7:00 p.m. Pre-conference icebreaker reception and registration

Day 1 - Wednesday, February 20, 2002

Morning

7:30 a.m. Continental breakfast (kiosks)
Registration (Entry Lobby)

Plenary (Bay Auditorium)

8:30 a.m. Welcome and introduction to the meeting
Jack Kruse, Chair, ARCSS Committee
University of Massachusetts & University of Alaska Anchorage

The workshop aims to identify the central scientific themes and approaches that will allow the ARCSS Program to build on work to date and develop new research focused on environmental impacts and biocomplexity as well as global change.

8:50 a.m. The Evolution of the ARCSS Program: Past, Present, and Future
Mike Ledbetter, Director, ARCSS Program
Office of Polar Programs, National Science Foundation

9:20 a.m. Current ARCSS Research: Introduction to Component Talks
Amanda Lynch, University of Colorado
Component talks will focus on major discoveries, key uncertainties and their readiness for research, and priorities for integrative research. The presentation time will include time for questions and discussion.

9:30 a.m. Paleoenvironmental Arctic Sciences (PARCS)
Glen MacDonald, University of California, Los Angeles

10:00 a.m. Ocean-Atmosphere-Ice Interactions (OAll)
Lou Codispoti, University of Maryland
Richard Moritz, University of Washington
Jackie Grebmeier, University of Tennessee

10:45 a.m. BREAK

11:00 a.m. Land-Atmosphere-Ice Interactions (LAll)
Terry Chapin, University of Alaska Fairbanks

11:30 a.m. The Russian–American Initiative on Shelf-land Environments in the Arctic (RAISE)
Lee Cooper, University of Tennessee

11:50 a.m. Human Dimensions of the Arctic System (HARC)
Henry Huntington, Huntington Consulting

12:10 p.m. LUNCH

Afternoon

Plenary (Bay Auditorium)

- New Research Initiatives**
- 1:30 p.m. The Hydrologic Cycle and its role in Arctic and Global Environmental Change (Arctic-CHAMP)
Charles Vörösmarty, University of New Hampshire
- 2:00 p.m. Study of Environmental Arctic Change (SEARCH)
James Morison, University of Washington
Lou Codispoti, University of Maryland
- 2:30 p.m. Nearshore and Coastal Processes Initiative
Ken Dunton, University of Texas
- 2:45 p.m. Biophysical Feedbacks and Transitions in the Arctic Regional System: Life Webs
Matthew Sturm, Cold Regions Research & Engineering Laboratory
- 3:00 BREAK

Plenary (Bay Auditorium)

- 3:15 p.m. Current ARCSS Research: Key Uncertainties and Next Steps
Moderator: Craig Nicolson, University of Massachusetts

Each panelist will make a five-minute presentation focused on one ARCSS question, addressing the key uncertainties and priorities for research from their disciplinary or programmatic perspective. Each pair of five-minute presentations will be followed by approximately ten minutes of comments, questions, and discussion from workshop participants and panelists on that question, allowing a few minutes for the moderator to summarize before moving on to the next question and pair of panelists. Thus each of the four questions will have approximately 20 minutes for presentation, discussion, and summarization.

- How will the arctic climate change over the next 10-100 years?
Amanda Lynch, University of Colorado
Konrad Hughen, Woods Hole Oceanographic Institution
- How will human activities interact with future global change to affect the sustainability of natural ecosystems and human societies?
Bruce Forbes, University of Lapland
Matthew Berman, University of Alaska Anchorage
- How will changes in arctic biogeochemical and hydrologic cycles and feedbacks affect arctic and global systems?
Glen MacDonald, University of California, Los Angeles
Kelly Falkner, Oregon State University
- Are predicted changes in the arctic system detectable?
Marilyn Walker, University of Alaska Fairbanks
Wieslaw Maslowski, Naval Postgraduate School

Plenary (Bay Auditorium)

4:45 p.m. Introduce thematic working groups, working group co-facilitators, working group instructions, and assign working group locations.

Jack Kruse, Chair, ARCSS Committee

University of Massachusetts & University Of Alaska Anchorage

a. Nearshore and coastal processes

Room:

Ken Dunton, University of Texas

Lee Cooper, University of Tennessee

b. Biophysical feedbacks and transitions in the arctic regional system: Life webs

Room:

Matthew Sturm, Cold Regions Research & Engineering Laboratory

Terry Chapin, University of Alaska Fairbanks

c. The pan-Arctic community-wide hydrological analysis and monitoring Program (Arctic-CHAMP)

Room:

Charles Vörösmarty, University of New Hampshire

Larry Hinzman, University of Alaska Fairbanks

d. Modes of variability in the arctic system

Room:

James Morison, University of Washington

Larry Hamilton, University of New Hampshire

Working Groups Meet (Sound, Cove, Marina, Pacific Board Rooms)

5:00 p.m. Working groups begin discussions

Each working group will designate a rapporteur(s) to present the group's summary in plenary session and a recorder to track and summarize discussions.

Evening

6:15 p.m.

DINNER

Dinner buffet in the International Promenade for \$20

Or on your own (but hurry back).

7:30 p.m.

Poster Session (Harbor Dining Room)

No-host bar and dessert.

Day 2- Thursday, February 21, 2002

Morning

7:30 a.m. Continental breakfast (kiosks)

Plenary (Bay Auditorium)

8:30 a.m. Brief review of working groups, questions
Identify smaller breakouts that have developed within each working group.
Jack Kruse, Chair, ARCSS Committee
University of Massachusetts & University of Alaska Anchorage

Working groups (Sound, Cove, Marina, Pacific Board Rooms)

9:00 a.m. Working groups; groups may break into smaller groups as needed
The smaller rooms (Coastal, Channel, Port, Seaway, Waterway) will be available
“on-demand” so that 5-15 people may break out to work on a specific sub-topic.

12:00 p.m. LUNCH (International Promenade)

Afternoon

Working groups (Sound, Cove, Marina, Pacific Board Rooms)

1:00 p.m. Working groups continue

3:15 p.m. BREAK

Plenary (Bay Auditorium)

Reports from Working Groups

Reports include presentation by rapporteur and discussion.

3:30 p.m. Nearshore and coastal processes
Rapporteur

3:50 p.m. Biophysical feedbacks and transitions in the arctic regional system
Rapporteur

4:10 p.m. The pan-Arctic community-wide hydrological analysis and monitoring program
(Arctic-CHAMP)
Rapporteur

4:30 p.m. Modes of variability in the arctic system
Rapporteur

4:50 p.m. Summary discussion

5:00 p.m. BREAK

5:30 p.m. Student Poster Session
No-host bar and appetizers.

Evening

7:30 p.m. BANQUET

Special Multimedia Presentation
Gift of the Whale: The Iñupiat Bowhead Hunt, A Sacred Tradition
By Bill Hess, Running Dog Publications

Day 3- Friday, February 22, 2002

Morning

7:30 a.m. Continental breakfast (kiosks)

Plenary (Bay Auditorium)

8:30 a.m. Discuss burning questions, clarify working group process, progress, and products expected from the groups.

Jack Kruse, Outgoing Chair, ARCSS Committee

A word from the incoming ARCSS Committee chair

Jonathan Overpeck, University of Arizona

Working groups (Sound, Cove, Marina, Pacific Board Rooms)

9:00 a.m. Working groups continue discussions, review progress, and prepare summary presentations.

12:30 p.m. LUNCH (International Promenade)

Afternoon

Plenary (Bay Auditorium)

1:30 p.m. Working Group Summaries

The designated rapporteur for each working group will present the group's summary. During the summaries, a small panel will participate in the process of clarifying, questioning, and synthesizing the presentations. The rapporteur for each group will have 20 min. to present a summary, the panel members will have 15 min. to respond, and the panel moderator will have 5 min. to synthesize and summarize. The members and process of this ad hoc panel may change as the workshop develops.

Moderator:

Mary Edwards, Norwegian University of Science and Technology,

Ad Hoc Panel:

Linda Brubaker, University of Washington

Henry Huntington, Huntington Consulting

Mark Serreze, University of Colorado

Don Perovich, Cold Regions Research and Engineering Laboratory

John Hobbie, The Ecosystems Center, Marine Biological Laboratory

1:45 p.m. Summary: Near shore and coastal processes working group

2:30 p.m. Summary: Biophysical feedbacks and transitions working group

3:15 p.m. BREAK

3:45 p.m. Summary: Hydrologic cycle working group

4:30 p.m. Summary: Modes of variability working group

5:15 p.m. What's Next?

Jack Kruse, Outgoing Chair, ARCSS Committee

5:30 p.m. Closing comments

Mike Ledbetter, Director, ARCSS Program

Office of Polar Programs, National Science Foundation

Day 4- Saturday, February 23, 2002

Plenary (Sound Room)

9:00 a.m. The ARCSS Committee, Science Management Office directors, and Science Steering Committee chairs will spend the morning developing and packaging the conference results so that they are available via the Internet soon after the workshop ends to promote community discussion and follow-up.

10:20 a.m. BREAK

10:40 a.m. ARCSS Committee, SMO directors, SSC chairs meeting continues

12:00 p.m. LUNCH—on your own

Afternoon (Sound Room)

1:00 p.m. ARCSS Committee meeting

4:00 p.m. AC meeting adjourns

Bell Harbor International Conference Center room map

<http://www.bellharbor.org/rooms.htm>

