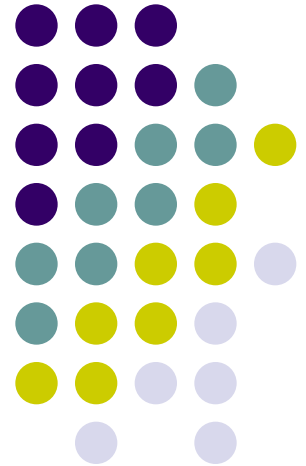


ARCSS eTown Meeting: ARCSS Program Updates

Thursday, 7 September 2006



Horizon Wimba Interface



Welcome to HorizonWimba



Arctic Research Consortium of the United States

Note:

eTown Meeting
presentation, audio, and
public chat will be
archived

Connecting to server...
You have connected successfully!
You have entered the lobby.
You have entered 'Arctic Research Consortium of the United States (ARCUS)'.
Your media format is Third-party Conference Call.

Exit - Lobby - Help

ARCUS

Yes No ?

Name ✓ X Hand

Helen_Wiggins

To: ALL

(1) ✓ (0) X (0) Hand (0)

Welcome & Introductions



- Community Participants (33 as of 6 September 2006)
http://www.arcus.org/ARCSS/ETM/September_06/p_list.html
- ARCSS Committee (AC) Members (**New AC members*)
 - Joshua Schimel, Chair*
 - Jennifer Francis
 - Marika Holland
 - Joe McFadden*
 - Maribeth Murray*
 - Craig Nicolson
 - Jonathan Overpeck
 - Don Perovich
 - Mark Serreze
 - Michael Steele*
 - Matthew Sturm
 - Charles Vörösmarty
 - *Members recently rotated off: Glen McDonald, John Weatherly*
 - *Jonathan Overpeck serving on AC as past-chair*
- NSF
 - Neil Swanberg, ARCSS Program Director
 - Janet Intrieri, ARCSS Associate Program Manager
- ARCSS Science Management Office (ARCUS) staff

eTown Meeting Outline



1. Overview of Recent ARCSS Activities
2. NSF Updates
3. Data Activities
4. Communities of Practice (Co-oPs)
5. ARCSS-related Sessions at Upcoming Meetings
6. ARCSS All-Hands Meeting
7. Other Future Meetings
8. Questions/Discussion

Recent ARCSS Activities



- March 2006 Meetings
 - Data eTown Meeting: “Data and Modeling Strategies for Arctic System Synthesis”
 - AC Meeting in Seattle
 - Included open day with presentations from the community
 - Synthesis of Arctic System Science (SASS) PI Meeting
 - Study of the Northern Alaska Coastal System (SNACS) PI Meeting
 - Joint SASS/SNACS PI Meeting
 - Information on all meetings is on ARCSS website at:
http://www.arcus.org/ARCSS/arcss_meetings.html
- May 2006 Congressional Briefing on Arctic Change
 - More information available at:
http://www.arcus.org/federal/2006_briefing.html

NSF Updates



- Updates on Past Proposal Solicitations:
 - IPY Announcement (May 2006)
 - SASS II Announcement (March 2006)
 - Partial List of Awards, Next Slide
 - Arctic Section Announcement (Dec. 2005)
 - Partial List of Awards, Next Slide
- Future Solicitations:
 - Arctic Section Announcement
 - Coming Soon, Target Date Likely Nov. 2006
 - Shelf-Basin Interactions (SBI) Phase III
 - Recommended to NSF by ARCSS Committee
- Other NSF Updates

SASS II Funded Projects



8 Projects:

- **The Impact of Changes in Arctic Sea Ice on the Marine Planktonic Ecosystem - Synthesis and Modeling of Retrospective and Future Conditions** (Collaborative Research)
 - Jinlun Zhang, APL/University of Washington, Lead PI
 - Carin Ashjian, Woods Hole Oceanographic Institution
 - Robert Campbell, University of Rhode Island
 - Yvette Spitz, Oregon State University
- **The Roles of Clouds and their Accomplices in Modulating the Trajectory of the Arctic System** (Collaborative Research)
 - Jennifer Francis, Rutgers University, Lead PI
 - Stephen Vavrus, University of Wisconsin, Madison
 - Axel Schweiger, APL/University of Washington
- **Toward Re-analysis of the Arctic Climate System - Sea Ice and Ocean Reconstruction with Data Assimilation** (Collaborative Research)
 - Andrey Proshutinsky, Woods Hole Oceanographic Institution, Lead PI
 - Jinlun Zhang, APL/University of Washington
 - Gleb Panteleev, University of Alaska Fairbanks
 - Dmitri Nechaev, University of Southern Mississippi
- **Climate Response to Future Changes in Arctic Snow Cover and Sea Ice**

Continued...

- Clara Deser, University Corporation For Atmospheric Research

SASS II Funded Projects



- **Understanding Change in the Climate and Hydrology of the Arctic Land Region: Synthesizing the Results of the ARCSS Fresh Water Initiative Projects** (Collaborative Research)
 - Eric Wood, Princeton University, Lead PI
 - Charles Vörösmarty, University of New Hampshire
 - Dennis Lettenmaier, University of Washington
 - John Cassano, University of Colorado
- **Producing an Updated Synthesis of the Arctic's Marine Primary Production Regime and Its Controls** (Collaborative Research)
 - Patricia Matrai, Bigelow Lab for Ocean Sciences, Lead PI
 - Louis Codispoti, University of Maryland, Center for Environmental Sciences
 - Richard Zimmerman, Old Dominion Research Foundation
 - Michael Steele, University of Washington
- **The White Arctic: A Snow-Impacts Synthesis for the Terrestrial Arctic** (Collaborative Research)
 - Matthew Sturm, CRREL, Lead PI
 - Glen Liston, Colorado State University
- **8th Project To Be Announced**

Arctic Section Awards (2005 Announcement)



- **Past, Present and Future Productivity of Arctic Woody Vegetation in a Warming Climate** (Collaborative Research)
 - Andrea Lloyd, Middlebury College
 - Andrew Bunn, Woods Hole Research Center
- **Study of Dam/Reservoir-Induced Hydrologic Changes in Siberian Regions: Regional Analysis to Pan-Arctic Synthesis** (Collaborative Research)
 - Daqing Yang, University of Alaska Fairbanks
 - Alexander Shiklomanov, University of New Hampshire
- **Interactions Between Frozen Ground in the Russian Arctic and Atmospheric Circulation**
 - Oliver Frauenfeld, University of Colorado, Boulder
- **Vulnerability of the Arctic Marginal Ice Zone to Changes in Drifting Ice**
 - Stephanie Pfirman, Columbia University
- **Other small awards**

Data Activities



- March 2006 Data eTown Meeting - led to AC follow-up discussion and planning on ARCSS data issues
- Workshop Planned for Winter 2006/2007
 - Organizing Committee convened (Charlie Vörösmarty and Dave McGuire co-chairs)
 - Workshop in initial planning stages
 - Workshop co-sponsored by International Arctic Research Center (IARC)
- ARCSS “Community Note” on Data Management
 - ARCSS Committee will post to the ARCSS listserve as a follow-up to this eTM
- Broad community participation in data discussion
 - Virtual participation in winter data workshop
 - Electronic bulletin board discussions prior to and following workshop

Communities of Practice (Co-oPs) Process



- Science planning currently at different stages of “the wheel”
 - SBI Phase III: Recommended to NSF for next AO
 - Near Surface Processes: Prospectus in final drafting stage to forward to AC
 - Two Co-oPs encouraged by AC to move forward on joint planning
 - Renamed as “Near Surface Processes”
 - Combined and expanded prospectus in development for forwarding to ARCSS Committee
 - Complexity and Synthesis in Arctic Hydrology
 - No update
 - Volcanoes in the Arctic System
 - No update



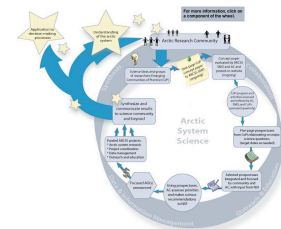
Communities of Practice (Co-oPs)



- ARCSS Planning Process: What's Next on the Wheel Beyond 2007?
 - What process or structure would best stimulate collaborative community science planning?
 - How can the Co-oP process be improved?

Short discussion now - possible focus of next eTM

More information about planning process at:
<http://www.arcus.org/ARCSS/communityplanning.html>



ARCSS-Related Sessions at Upcoming Meetings



- **AAAS Arctic Science Conference:** *State of the Arctic: Current State of the Arctic – Observations of Arctic Change* (2-4 October 2006, Fairbanks, Alaska)
<http://www.arcticaas.org/meetings/>
 - HARC Special Session
 - Co-oP: Near Surface Processes Session
 - Additional sessions on arctic policy, marine ecology, etc.
- **AGU Fall Meeting** (11-15 December 2006, San Francisco)
<http://www.agu.org/meetings/fm06/>
 - SNACS (C15: The Arctic Ocean Coast: Where the Land, Sea and Lower Atmosphere Meet)
 - Arctic Synthesis (U09: Polar Regions: Past, Present, and Future Changes and Synthesis of Their Role in the Modern Earth System)
 - Many other arctic sessions

ARCSS All-Hands Meeting



- Target Date: Late Fall 2007
- Community-wide meeting
- Synthesis of past ARCSS research and development of future priorities
- Organizing Committee to be convened shortly
- Focus and topics TBD - Community input generated through a series of eTown Meetings and other discussions

Other Future Meetings



- ARCSS Committee Face-to-Face Meeting Planned for Fall 2006
- SASS II PI Meeting to be scheduled
- Combined Meeting of SASS I and SASS II PIs to be scheduled
- eTown Meetings
 - Held by ARCSS Committee for updates and community input on ARCSS Program planning and special topics
- eSeminars
 - Science-focused eMeetings to start this fall
 - Led by community/PIs and organized similar to a “conference session”
 - Will put out call on ARCSS Listserve for topics



Questions/Discussion



Thank you!