SEARCH
Study of Environmental Arctic Change
Science Steering Committee (SSC) eMeeting
19 August 2009
http://www.arcus.org/SEARCH/index.php
eMeeting Agenda

- Overall SEARCH Status
- Status of SEARCH Components: Observing, Understanding, Responding to Change
- State of the Arctic Conference
- Informational Items
  - Sea Ice Outlook
  - Understanding Change Workshop: 2010
  - International Study of Arctic Change (ISAC)
  - Sustained Arctic Observing Network (SAON)
  - Organization of Projects on Environmental Research in the Arctic (OPERA)
  - Arctic Environmental Change Program Network
  - SSC Membership
Wimba Interface

Welcome to Wimba

Arctic Research Consortium of the United States

“Chat” with one person or the entire group

Slides, audio, and group chat will be archived

Slides will be shown here

Raise your hand to ask a question

List of all participants

Return to the Lobby or Exit

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.

For ALL

Exit - Lobby - Help
SEARCH Status Overview

- Overall SEARCH Status
Status of SEARCH Implementation Areas

- Observing Change: Arctic Observing Network (AON)
- Understanding Change and ARCSS/SEARCH Collaboration
- Responding to Change
Arctic Observing Network (AON)

Scientific planning

Science questions

ISAC Science Questions 1-5
SEARCH Science Questions 1-5, 7

Themes & disciplines

Atmosphere
Hydrology/cryosphere
Ocean/sea ice
Marine resources/ecosystems

Terrestrial ecosystems
Human dimensions

Parsing, translation & guidance

ISAC Steering Group & Council
Interagency & international coordination, Arctic-global linkages

Implementation & program design

International overarching coordination (iSAON, ?)
National implementation efforts (SIW Report, ArcticNet, DAMOCLES, ??)
International & national working groups & workshops (IABP, OceanObs 2009, CliC Sea Ice Working Group, ??)

Projects

SEARCH OCP & UCP, AON PIs, IPMC
Coordination of measurement efforts (siting, sampling rate, etc.), interdisciplinary integration, interagency coordination

AON projects, Agency-driven programs etc.
Status of SEARCH Implementation Areas

- Observing Change: Arctic Observing Network (AON)
- Understanding Change and ARCSS/SEARCH Collaboration
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Status of SEARCH Implementation Areas

- Observing Change: Arctic Observing Network (AON)
- Understanding Change and ARCSS/SEARCH Collaboration
- Responding to Change
State of the Arctic Conference (II)

16–19 March 2010 • Miami, Florida
http://soa.arcus.org/

- Will provide an open international forum for discussion of future research directions aimed to a better understanding of the arctic system and trajectory
- Topics will range from basic understanding of the Arctic system and its change to developing response strategies to adapt and mitigate change
- Expecting 800 – 1,000 participants
Main science themes:

1. **Advances in arctic system understanding** - the basic functioning of the arctic system, including human subsystems;

2. **Arctic change** - rapid, system-scale changes and the capability to project future states of the arctic system under various scenarios;

3. **Linkages to the Earth system** - linkages and feedbacks between the arctic system and the Earth system; and

4. **Translating research into solutions** - informed solutions to the problems caused by human-induced environmental change.
State of the Arctic Conference (III)

16–19 March 2010 • Miami, Florida
http://soa.arcus.org/

- Planning completed to-date
- Opportunities for input:
  - Products
  - Topics and sessions
  - Keynote speakers and lead science speakers
  - Other ideas
Informational Items (I)

- **Sea Ice Outlook**
  - 2009 Sea Ice Outlook underway:
    http://www.arcus.org/search/sealiceoutlook/index.php

- **Understanding Change Workshop: 2010**

- **International Study of Arctic Change (ISAC)**
  - http://www.arcticchange.org/

- **Sustained Arctic Observing Network (SAON)**
  - http://www.arcticobserving.org/
NSF Program Solicitation: Organization of Projects on Environmental Research in the Arctic (OPERA)

- Seeks proposals for activities to foster and sustain collaboration among projects funded by NSF that contribute to the US arctic environmental change research effort.
- Components: (1) **Overall support of the US SEARCH effort**, (2) Leadership of the US portion of an *Arctic Observing Network*, (3) Leadership of efforts in *Understanding Arctic Change*, (4) Management of *Arctic Data*, (5) **Responding to Change** component of SEARCH
Informational Items (III)

- Arctic Environmental Change Program Network
- SSC Membership
Wrap-Up and Next Steps

- eMeeting archive and notes circulated after meeting
- Schedule next SSC meeting
- Other items
Thank You!

A view of a glacier near Thule, Greenland.
Photo by John Sode (TREC 2005), Courtesy of ARCUS