

Subject: Update 060816

Date: Wednesday, August 16, 2006 10:10 AM
From: Mark Twickler <mark.twickler@unh.edu>
To: <nicl.smo@unh.edu>
Conversation: Update 060816

To: Ice Core Community
Fr: Mark Twickler, NICL-SMO
Re: Update
Date: August 16, 2006

Below are some items that may interest you:

1. Antarctic Research Support Manager and Arctic Research Support and Logistic Manager Positions
2. Call for Interest on Future Ice Core Projects
3. AGU Session "Ice Cores and the Earth System"
4. Cryosphere AGU Sessions

1. Antarctic Research Support Manager and Arctic Research Support and Logistic Manager Positions

NSF has just released announcements for the Antarctic Research Support Manager and Arctic Research Support and Logistic Manager Positions. To view the announcements click on the link below:

http://www.nsf.gov/publications/vacancy.jsp?org=OPP&nsf_org=OPP

2. Call for Interest on Future Ice Core Projects

In June, Eric Saltzman and I sent out this message for a "Call for interest on future ice core projects". We asked for responses by Sept 1 but to date we have only heard from a handful of people so we are reminding the community again. Please provide the ICWG with feedback relating to future ice core projects.

To: US Ice Core Community
Fr: Eric Saltzman (ICWG Chair) and Mark Twickler (NICL-SMO)
Re: Call for Interest on Future Ice Core Projects
Date: June 28, 2006

Dear Community,

This message is a call for interest in future ice core projects. The WAIS Divide project is underway, and there is a need to begin planning future ice coring activities. These plans should include scientific goals and priorities as well as the drilling technology and logistics needed to carry them out. The ICWG would like to begin working with the ice coring community on developing a strategic plan for future US ice core scientific projects. This plan will be developed in the context of the IPICS agenda, although other projects are welcome. At this stage, we seek participants to develop of science and implementation plans for specific projects.

IPICS lead to an ambitious four-element framework that both extends the ice core record in time and enhances spatial resolution.

1. The oldest ice core: A 1.5 million year record of climate and greenhouse gases from Antarctica (a time period where Earth's climate shifted from 40,000 year to 100,000 year cycles).
2. The last interglacial and beyond: A northwest Greenland deep ice core drilling project (a deep ice core in Greenland recovering an intact record of the last interglacial period)
3. The IPICS 40,000 year network: A bipolar record of climate forcing and response
4. The IPICS 2k Array: A network of ice core climate and climate forcing records for the last two millennia

More on these elements can be found at:

<http://www.pages.unibe.ch/science/initiatives/ipics/index.html>

The ICWG is requesting that investigators let us know in a brief email about your interest in these or other new projects, and the role you would like to play in developing the plan (i.e. participant, leadership, etc.). This feedback would be greatly appreciated by Sept 1, 2006.

The next step would be to submit a draft Science and Implementation Report to the ICWG for review by January 1, 2007.

The final step will be workshops to identify leadership, interested participants, international partners, priorities, and drilling requirements. This would take place after, or around the time of the 2007 ICWG meeting (April).

We look forward to hearing from you on new initiatives for U.S. ice core sciences.

Thanks

3. AGU Session "Ice Cores and the Earth System"

Normally NICL-SMO does not send out AGU sessions announcements since other listservers provide that service. This session by Ed Brook and Eric Wolff is closely related to the ICWG main goal of "future ice core projects" so we wanted to make you aware of it.

Dear Colleague-

I would like to bring to your attention a Union Session at Fall AGU on Ice Cores and the Earth System. We hope for an excellent selection of papers related to numerous new ice coring projects being undertaken now, and also welcome studies related to future projects, and interpretation of ice core data.

Ed Brook, Oregon State University

Eric Wolff, British Antarctic Survey

U10: Ice Cores and the Earth System

Sponsor: Union

Index Terms: 0724 4932 1620 .

Description: New ice cores have recently extended the record available back to 800,000 years, and provided unprecedented detail about climate dynamics over shorter timescales. In this session, we will both take stock of what the new data have told us about the workings of the Earth system, and look ahead to future projects that can enhance this knowledge. New data and findings from ice cores from both poles, and non-polar cores, will be welcome, as will preparatory studies for ongoing and future drillings.

Conveners:

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Ed Brook
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4. Cryosphere AGU Sessions

Abstract submissions are being accepted for the 2006 AGU Fall Meeting, 11-15 December 2006, held in San Francisco, CA. The complete list of sessions for the Cryosphere focus group is listed below for your convenience. Both the session code and title are included.

The deadline for abstract submissions is 7 September 2006. For more information, visit www.agu.org/meetings/fm06/

- C01 Cryosphere General Contributions
- C02 Progress in Understanding of Atmosphere-Cryosphere Interactions in Polar Regions: The Role of Data Management and Data Archives
- C03 Post International Polar Year: Geophysical Exploration of Antarctica
- C04 Permafrost and Seasonally Frozen Ground in a Changing Climate
- C05 Permafrost, Snow and Ice Hydrology at High Latitudes
- C06 Biocomplexity of Arctic Tundra Ecosystems
- C07 Holocene and Glacial Precipitation Sources and Isotopic Composition: Application to Northern Hemisphere Ice Cores
- C08 Snow Cover/Vegetation Interactions
- C09 Observations and Modeling of Snow Processes at the River Basin Scale

- C10 Measuring and Modeling Turbulent Fluxes of Heat, Water, and Carbon Over Snow
- C11 Recent Advances in Monitoring, Measuring, and Modeling Snow Processes POSTER SESSION
- C12 Large-Scale Interactions Between Seasonal Snow Cover, Atmospheric Circulation and Climate
- C13 Application of Active and Passive Microwave Remote Sensing in Snow Water Equivalent
- C14 Remote Sensing of Frozen Soil, Snow, and Sea Ice
- C15 The Arctic Ocean Coast: Where the Land, Sea and Lower Atmosphere Meet
- C16 Arctic and Antarctic Sea Ice: Observed Changes and Development of Integrated Data Products
- C17 Rapid Transition From Perennial to Seasonal Arctic Sea Ice
- C18 Fate of Sea Ice: Interactions With the Atmosphere, Ocean, and Marine Ecosystems
- C19 Antarctic Ice Shelves
- C20 Glacier and Ice Sheet Hydrology: Processes in Subglacial Environments
- C21 Advances and New Developments in Remote Sensing of Polar Ice Sheets
- C22 AUVs, ROVs, and Other Unmanned Technologies: Exploring the Polar Extreme Environment
- C23 Advances in Glacier Geophysics
- C24 Unraveling Disparities in Current Estimates of Global Glacier Mass Balance
- C25 Elevation Gradients and Mountain Climates, Resources, and Ecosystems
- C26 Mountain Climate, Energy Fluxes and Glacier Melting
- C27 Glacial Landscapes: Processes and Impacts

We hope that you will submit an abstract for the Fall Meeting and we look forward to seeing you there.

AGU Meetings Department
www.agu.org/meetings/fm06/

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Names are added periodically to the National Ice Core Laboratory - Science Management Office's email list. If you know of someone who would like to be added, or you would like to be removed from the email list please send a message to: nicl.smo@unh.edu

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