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### Calendar of Upcoming IPY Events

December 5, 2005 - Polar Reception and Nye Lecture at Fall AGU Meeting

December 16, 2005 - NSF Arctic Research Opportunities Full Proposal Target Date

January 31, 2006 - Third and final call for the submission of Full IPY Proposals

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**1. POLAR RECEPTION AND NYE LECTURE AT FALL AGU MEETING:** You are invited to attend the Polar Reception and Nye Lecture at the Fall Meeting of AGU in San Francisco on Monday, December 5, 2005. The schedule is as follows:

**NYE LECTURE** (5:00 p.m. - 6:00 p.m.)

Location: Moscone Center, Level 2, Room 2002

Lecture: "Snow Crystals, Shrubs, and the Changing Climate of the Arctic" by Matthew Sturm, U.S. Army Cold Regions Research and Engineering Lab. - AK.

**POLAR RECEPTION** (6:15 p.m. - 9:00 p.m.)

Location: San Francisco Marriott Hotel (55 4th St), Room: Golden Gate B1-B2

This jointly sponsored reception will include light snacks and a cash bar.

For more information, please contact any of the following people from the sponsoring and host organizations:

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**2. THIRD AND FINAL CALL FOR THE SUBMISSION OF FULL IPY PROPOSALS:** January 31, 2006 will be the last chance to submit full IPY proposals to the IPY International Programme Office. For details regarding the submission process please visit the International Programme Office at <http://www.ipy.org/index.php>.

**3. FULL IPY PROPOSALS FROM SEPTEMBER DEADLINE NOW AVAILABLE:** The full proposals submitted to the IPY International Programme Office for the September 30 deadline are now available on their website. You can search by ID number (the September 30 full proposals start from ID# 128) in the Full Proposal Options searchable database located at <http://www.ipy.org/development/eoi/index.htm>. A copy of the database has also been saved on the FTP site <ftp://ftp.nerc-bas.ac.uk/pub/ipy1> (Sept 30 Submissions\_Unlinked).

For further information or assistance please contact Nicola Munro, IPY International Programme Office, Cambridge, Tel: 01223 221468, email: [ipyipo@bas.ac.uk](mailto:ipyipo@bas.ac.uk).

**4. NSF'S CALL FOR IPY PROPOSALS:** As of distribution of this newsletter, the anticipated NSF call for IPY related proposals has not yet been announced but is expected soon. Over past months, some likely themes for this call and an Antarctic call have been discussed (ice sheet history and dynamics, polar biology in cold and dark environments, observations of environmental change, and education/outreach) but until the call is distributed the details are uncertain. It is best to call your program manager for guidance about whether your potential IPY research might fit into the upcoming announcement or other NSF funding opportunities.

Please note that IPY related activities are potentially supportable under existing NSF funding opportunities, each with its own requirements and deadlines. See the following sections of the NSF website:

**ARCTIC RESEARCH**

[http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=5521&org=OPP&from=home](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5521&org=OPP&from=home)

**ANTARCTIC RESEARCH**

[http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=5519&org=OPP&from=fund](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5519&org=OPP&from=fund)

**SOCIAL SCIENCE RESEARCH**

[http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=11678&org=OPP&from=home](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=11678&org=OPP&from=home)

[http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=13425&org=OPP&from=fund](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13425&org=OPP&from=fund)

**FACULTY EARLY CAREER DEVELOPMENT PROGRAM**

[http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=5262&org=OPP&from=home](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5262&org=OPP&from=home)

**INCREASING PARTICIPATION OF WOMEN IN SCIENCE PROGRAM**

[http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=5383&org=OPP&from=fund](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5383&org=OPP&from=fund)

## DEVELOPING GLOBAL SCIENTISTS AND ENGINEERS

[http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=12831&org=OPP&from=fund](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=12831&org=OPP&from=fund)

5. **ICSU OFFICIALLY ADOPTED IPY 2007-2008:** At their 28<sup>th</sup> General Assembly in Suzhou, China from October 17 to 21, 2005, the International Council for Science (ICSU) officially adopted IPY 2007-2008. However, planning for IPY 2007-2008, which is co-sponsored by both ICSU and the World Meteorological Association, has been well underway for more than a year. For more information please visit ICSU at [http://www.icsu.org/1\\_icsuinscience/INIT\\_Ipy\\_1.html](http://www.icsu.org/1_icsuinscience/INIT_Ipy_1.html).

6. **ESA'S CRYOSAT LOST DUE TO LAUNCH FAILURE:** On October 8, 2005 the CryoSat Mission was lost due to a launch failure. Yuri Bakhvalov, First Deputy Director General of the Khrunichev Space Centre, officially confirmed that the failure was due to an anomaly in the launch sequence. CryoSat would have been Europe's first spacecraft dedicated to the study of ice. For details and a recent interview with ESA's Director of Earth Observation, Volker Liebig, on the loss of CryoSat, please go to <http://www.esa.int/cryosat>.

7. **POLAR RESEARCH BOARD MEETING, FALL 2005:** On November 21 to 22, 2005, the Polar Research Board of the National Academies hosted their fall board meeting in Washington DC. The majority of the first day was an open session reserved for IPY related discussions. The following is a brief list of the items discussed:

- Ø **Robin Bell & Igor Krupnik discussed the recent meeting of the ICSU - WMO Joint Committee for IPY in Geneva, Switzerland on November 15-17, 2005.** Essentially, the meeting began the next phase of IPY development which is the implementation of vital subcommittees and the advancement beyond proposals toward distinct planning. To achieve this, the Joint Committee members broke into four working groups to discuss logistics, science planning, budgeting, and implementation. The Joint Committee also discussed their ongoing role to advocate for IPY and to encourage linkages between projects.
- Ø **David Carlson, director of the IPY International Programme Office,** announced that over 1000 Expressions of Intent have been submitted, with approximately 200 coordination proposals, and that IPY endorsements have been made on those proposals already submitted. Dr. Carlson pointed out that current challenges are to coordinate national processes with those of the International Programme Office, strengthen the connections between related projects, build connections across disciplines, domains, and geographic regions, and coordinate and provide mutual support for data and information handling, observations, and education and outreach. Further information is available at <http://www.ipy.org/>.
- Ø **David Hik, director of the Canadian IPY Secretariat,** commented on Canadian IPY Activities in light of the recent \$150 M of new funding by the Canadian government, which is to fund IPY research in two primary areas – (1) climate change impacts and adaptations and (2) health and the well-being of northern communities. Dr. Hik announced that the first call for proposals is tentatively

scheduled for early spring. After highlighting current challenges, such as infrastructure and logistics, he noted that The Canadian IPY Internet Map Server (CANIPY IMS), an interactive and scalable GIS that provides an inventory of proposed IPY research as well as existing infrastructure, may facilitate planning and coordination.

CANIPY IMS can be found at <http://www.ualberta.ca/~ipy/CANIPY/>.

- Ø **Representatives from NSF, NASA, NOAA, & the USGS gave overviews of their national IPY planning.** Michael Van Woert from NSF-OPP stated that NSF would soon issue a call related to IPY and reminded people that existing NSF funding opportunities are open to IPY ideas. Waleed Abdalati from NASA stressed that they are looking for proposals with a “polar slant,” and that the poles are not limited to only those of Earth, but may also include Mars or the Moon. Also, NASA’s ROSES (Research Opportunities in Space and Earth Sciences) program may be an effective funding route for interdisciplinary activities. John Calder from NOAA announced that they will focus on using existing resources for IPY and to look ahead toward product development for the post-IPY period. Suzanne Weedman with the USGS stated that they do not have a separate IPY fund; however, they plan to introduce new products during IPY, such an Arctic Energy Resource Assessment, volumes of satellite images of glaciers and ice sheets, and new maps of both Greenland and Antarctica.
  
- Ø **Igor Krupnik and Jim Berner discussed the IPY Arctic Human Health Initiative (AAHI),** a project of the Arctic Council, which aims to provide a unique opportunity to focus on human health issues of Arctic communities through the use of extensive networking, health research, and education and outreach. Jim Berner stressed that the transport of contaminants from mid-latitudes to high-latitudes is an urgent issue that must be dealt with. Additionally, AAHI will focus in the areas of infectious disease, the effects of anthropogenic pollution, UV radiation, and climate variability on human health. Details for AAHI can be found at <http://www.iuch.org/ipy.html>
  
- Ø **Education and Outreach:**
  - § **Amber Church of the IPY Youth Steering Committee (IPY Activity ID No: 168)** highlighted education and outreach activities, such as the International Youth Conference on the Poles to take place in August of 2008, the international YSC website which is to serve as a portal for youth involvement in IPY, and their efforts to document youth opinions on envisioning the legacy of IPY. Further information can be found at <http://www.ualberta.ca/~ipy/YSC/>.
  
  - § **David Carlson on behalf of Jennifer Pink, co-chair of the IPY Education, Outreach, & Communication (EOC) Subcommittee,** briefly discussed their three current tasks: (1) to broaden the inventory of activities, (2) to continue outreach to underrepresented communities, such as in South America and indigenous communities of the Arctic, and (3) to develop and plan an EOC event as early as March 2006.
  
  - § **Martin Jefferies of UAF** emphasized that the IPY planning conducted by the University of the Arctic (UArctic) is an area that UAF strives to collaborate with to provide higher education and outreach programs (IPY Activity ID No: 189). Further information on UArctic can be found at <http://www.uarctic.org/>.

- § **Peter Spotts from the Christian Science Monitor** talked about how IPY outreach through the media may effectively reach a larger audience by developing “science stories” that convey a personal message of exploration. He also provided the practical suggestion that scientists schedule conferences with media editorial boards to discuss the potential for stories during IPY.
- § **Renee Crain, Peter West, and Kim Silverman from NSF-OPP along with Paula Coble from NASA** discussed planned education and outreach activities. Government agencies are working to coordinate their activities. NSF-OPP is thinking about 3 focus areas for their education and outreach: (1) formal science training for teachers, undergrads, and graduate students, for example, by sending participants to the Polar Regions, (2) informal science education, such as the production of IMAX Films, and (3) coordination and communication during IPY. NSF plans to host an Infonet meeting during April 2006 to promote international education and outreach initiatives. Also, during AGU in December 2006, NASA and NSF together will host an interagency IPY booth.

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Comments on this newsletter as well as on the reports and activities of USNC for IPY are welcome. To provide input, unsubscribe, or to suggest items to be included in future issues contact [muhle@nas.edu](mailto:muhle@nas.edu). See the US website for IPY, [www.us-ipy.org](http://www.us-ipy.org) for additional IPY information.

The Polar Research Board of the US National Academies serves as the US National Committee for IPY. The National Academies – including the National Academy of Sciences, National Academy of Engineering, Institute of Medicine, and National Research Council – serves the nation by providing independent advice on issues in science, engineering, and medicine. For a list of members and descriptions of the PRB's other activities, please go to <http://nationalacademies.org/prb>.

We encourage you to share this newsletter with colleagues.