

USNC for the IPY
December 2004 Newsgram
<http://us-ipy.org>

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Calendar of Upcoming IPY Events

Dec 13-17: AGU Fall Meeting (San Francisco, CA)

Jan 9-13: AMS Annual Meeting (San Diego, CA)

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1. IPY special sessions at AGU announced

The 2004 AGU Fall Meeting—from 13–17 December 2004—is expected to draw a crowd of over 10,000 geophysicists from around the world and provides an opportunity for researchers, teachers, students, and consultants to present and review the latest issues affecting the Earth, the planets, and their environments in space. This meeting will cover topics in all areas of geophysical sciences, including three sessions on the IPY, all on Tuesday, December 14:

0800	C21A	MCC level 2	International Polar Year I Posters <i>Presiding: S Drobot, National Academies; C Elfring, National Academies</i>
0800	C21A-0958	MCC level 2	IceCam: The collection of sea ice observations during the International Polar Year S Gerland, *R Hall
0800	C21A-0959	MCC level 2	Affects of Changes in Sea Ice Cover on Bowhead Whales and Subsistence Whaling in the Western Arctic *S Moore, R Suydam, J Overland, K Laidre, J George, D DeMaster
0800	C21A-0960	MCC level 2	National Oceanic and Atmospheric Administration(NOAA) Arctic Climate Change Studies: A Contribution to IPY J Calder, *J Overland, T Uttal, J Richter-Menge, I Rigor, K Crane
0800	C21A-0961	MCC level 2	Recent Progress Towards Establishing an Arctic Ocean Observing System - A NOAA Contribution to the Study of Environmental Arctic Change (SEARCH) *I G Rigor, J Richter-Menge, J Calder
0800	C21A-0962	MCC level 2	The International Polar Year: Making Data and Information Available for the Long Term *R E Duerr, M A Parsons, R Weaver
0800	C21A-0963	MCC level 2	Glaciological Data Management from IGY57 to IPY07 - Lessons from the WDC Glaciology Boulder

			R G Barry, *R L Weaver, M A Parsons
0800	C21A-0964	MCC level 2	The Antarctic Master Directory - a fundamental data management element for the International Polar Year 2007-2008 *G Scharfen, R Bauer
0800	C21A-0965	MCC level 2	Improved 30-day Great Lakes ice forecasts during IPY *S D Drobot
0800	C21A-0966	MCC level 2	The International Arctic Buoy Programme (IABP) - An International Polar Year Every Year *M Hanna, I Rigor, M Ortmeyer, C Haas
0800	C21A-0967	MCC level 2	Why Are The Poles So Cool? Thematic Outreach for IPY *H M Unger
0800	C21A-0968	MCC level 2	IPY to Mark Expansion of Research Facilities on the North Slope of Alaska *B D Zak, H Eicken, G W Sheehan, R Glenn
0800	C21A-0969	MCC level 2	Tectonic structure and evolution of the Earth's Polar Regions: a comparative study Y G Leonov, G E Grikurov, G L Leitchenkov, *A V Zayonchek
0800	C21A-0970	MCC level 2	Field Instrumentation With Bricks: Wireless Networks Built From Tough, Cheap, Reliable Field Computers *D R Fatland, S Anandakrishnan, M Heavner
0800	C21A-0971	MCC level 2	Towards an Arctic Profiling Floats Program for IPY and Beyond W B Owens, *P Winsor
0800	C21A-0972	MCC level 2	GAMBIT--Gamburtsev Aerogeophysical Mapping of Bedrock and Ice Targets During IPY M Studinger, *C A Finn, R E Bell, S Gogineni, L Hayden, D Braaten
0800	C21A-0973	MCC level 2	Investigating the crustal elements of the central Antarctic Plate (ICECAP): How long-range aerogeophysics is critical to understanding the evolution of the East Antarctic ice sheet D D Blankenship, J M Brozena, M J Siegert, D L Morse, I W Dalziel, L A Lawver, J W Holt, *V A Childers, J L Bamber, A J Payne
0800	C21A-0974	MCC level 2	The International Bathymetric Charts of the Arctic and Southern Oceans: Setting the Physiographic Context for Marine Research During IPY. *R Macnab, M Jakobsson, H W Schenke

1340	C23B	Mariott salon 4	International Polar Year II <i>Presiding: R Bell, Lamont-Doherty Earth Observatory; M Albert, Cold Regions Research and Engineering Laboratory</i>
1340	C23B-01	Mariott salon 4	Summary of Planning for IPY 2007-2008 *C Elfring, M Albert, R Bell
1355	C23B-02	Mariott salon 4	WMO Role In The International Polar Year 2007-2008 *E Sarukhanian
1410	C23B-03	Mariott salon 4	Social Sciences and Humanities in the IPY 2007/08: An Integrating Mission

			*I Krupnik
1425	C23B-04	Mariott salon 4	IGY+50, the IPY, and the electronic Geophysical Year (eGY) C Barton, *D N Baker
1440	C23B-05	Mariott salon 4	Data Management Considerations for the International Polar Year *M A Parsons, R L Weaver, R Duerr, R G Barry
1455	C23B-06	Mariott salon 4	"Got Snow?" Education and Outreach for the IPY M Turrin, R E Bell, *S Pfirman, P Maru
1510	C23B-07	Mariott salon 4	Studies of Environmental Arctic Change and the International Polar Year *S SSC
1525	C23B-08	Mariott salon 4	Investigating the subglacial environment and geology of Antarctica and Greenland by direct means S Tulaczyk, *S Vogel, R Powell, R Scherer, D Elliot, A Grunow, B Lanoil, M Skidmore, F D Carsey, A Behar, H Engelhardt, R Bolsey

Tuesday Afternoon 2

Time	Session	Location	Title
1600	C24A	Marriott salon 4	International Polar Year III <i>Presiding: C Elfring, National Academies; M Albert, Cold Regions Research and Engineering Laboratory</i> [Session Details]
1600	C24A-01	Marriott salon 4	Influencing the Future: Special Considerations for IPY Education and Outreach *J Beitler, M Unger [Abstract]
1615	C24A-02	Marriott salon 4	Subglacial Antarctic Lake Environments (SALE) *M C Kennicutt, R E Bell, J C Priscu [Abstract]
1630	C24A-03	Marriott salon 4	Historical and Near Real-Time Physical, Chemical, and Biological Oceanographic Data in Support of the International Polar Year 2007-08 *R L Tatusko, A J Allegra, J A Beattie, P H Dwivedi, D Grimes, M A Hamilton, S Levitus, C L Sun, M H Woods [Abstract]
1645	C24A-04	Marriott salon 4	Measuring the Polar Mesosphere With Radio Telescopes *C L Martin, S M Burrows [Abstract]

YERBA BUENE BALLROOM SALON 9, MARRIOTT

5:15 – 6:00 pm NYE Lecture by Richard Alley

6:00 – 9:00 pm Arctic Icebreaker Reception

2. IPY special sessions at AMS announced

The 85th AMS Annual Meeting will be held 9-13 January 2005 at the San Diego Convention Center in San Diego, California. It is being organized around the broad theme of "*Building the Earth Information System*" and the role that science can play in decision-making for society. The final agenda for the Polar Meteorology and Oceanography session has been posted to the AMS web page at http://ams.confex.com/ams/Annual2005/techprogram/programexpanded_269.htm.

A special session on IPY will occur on Tuesday morning, where agency program leaders from the US and Canada will present the latest planning for the upcoming International Polar Year. This session will be followed by an IPY poster session highlighting observational techniques, programs and products/data that have a high likelihood of contributing to IPY activities. The schedule for oral talks is as follows:

Tuesday, 11 January 2005: Session 2 International Polar Year - Invited Presentations

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| 8:30 AM | 2.1 Update on Plans for the International Polar Year (Invited Presentation)
Sheldon Drobot , The National Academies, Washington, DC; and D. H. Bromwich |
| 8:45 AM | 2.2 NOAA's potential contributions to the International Polar Year (Invited Presentation)
Richard D. Rosen , NOAA, Silver Springs, Maryland; and J. Calder |
| 9:00 AM | 2.3 National Science Foundation Plans for the International Polar Year (Invited Presentation)
Karl A. Erb , NSF, Arlington, VA |
| 9:15 AM | 2.4 NASA Activities in support of International Polar Year (IPY) (Invited Presentation)
Jack A. Kaye , NASA, Office of Earth Systems, Washington, DC |
| 9:30 AM | 2.5 Canada and the International Polar Year (Invited Presentation)
Barry E. Goodison , MSC, Downsview, Ontario, Canada |

3. ICSU/WMO Update

The International Council for Science (ICSU) and World Meteorological Organization (WMO) has issued a call for preliminary expressions of intent from those seeking to participate in International Polar Year 2007-2008. To submit an Expression of Intent, go to www.ipy.org. The deadline for this first call is 1-14-2004. These materials are also posted at: www.us-ipy.org and include the following:

- A letter from ICSU-WMO explaining the procedure and deadline (14 January)
- Annex 1: Expression of Intent Form
- Annex 2: Criteria for Identifying IPY Activities

The ICSU-WMO letter is sure to raise some questions, and here are some advance answers:

- Regarding the use of the term "proposal:" In the United States, please ignore the use of the term "proposal" in the ICSU-WMO cover memo; the term of preference in the US setting and that used on the form is "expression of intent."

- Clarification of the purpose of the Expression of Intent process: the purpose of this call is to provide the new ICSU-WMO Joint Committee with information it needs to facilitate projects and activities within IPY that are consistent with the themes and observational goals outlined in IPY planning documents. In essence, they are beginning the process of assigning the IPY imprimatur. **This is not a process by which proposals will be funded.** ICSU-WMO activities are completely separate from funding issues. In the U.S., funding for projects will be handled through mechanisms determined by the funding agencies. Gaining the ICSU-WMO endorsement for a currently unfunded project does not guarantee that that project will actually be funded. The ICSU-WMO endorsement simply enables projects to use the international IPY logo.
- Regarding the “size” of activities that should be submitted: Although a key motivation for this call is to encourage larger, more complex and logistics-dependent activities to take more formal steps toward implementation, ALL levels of projects and activities are encouraged to submit. Large umbrella programs (e.g., SEARCH, GEOSS, CoML) might be represented by multiple submissions of projects. **When in doubt, submit your idea so that the full range of activities is considered.**
- Finally, for US scientists, when you are answering Question 2.6 in the Expression of Intent Form, which asks if the submitted idea has been “endorsed at national or international levels,” please enter that your expression of interest is in the process of being considered by the US National Committee for IPY. The USNC for IPY will look at all the US submissions from the main ICSU-WMO database and provide feedback to all after the January 14 deadline and before the June deadline for full Expressions of Intent.

4. Future Activities of the USNC

The US National Committee for IPY continues its hard work. The Committee has produced one full report, A Vision of International Polar Year 2007-2008, that can be viewed, downloaded or purchased either at the US IPY website (www.us-ipy.org) or at the National Academies Press website (www.nap.edu). In July 2004, the Committee also hosted a workshop to encourage federal agencies plan and coordinate IPY activities and this workshop report is available at the US website. The Committee continues to serve as a conduit for IPY information and for facilitating US participation in IPY. Its next tasks will be to work with ICSU-WMO as the Expressions of Interest are considered, during the spring of 2005, and to continue making presentations to diverse audiences about the potential benefits of IPY 2007-2008. The National Academies expresses gratitude to these committee members for their hard work.

5. Arctic Council Involvement in IPY

On November 24, 2004 the Arctic Council Ministerial Meeting passed the following resolution: “Recognize the International Polar Year 2007-2008 as a unique opportunity to stimulate cooperation and coordination on Arctic research and increase awareness and visibility of the Arctic region and underline the role of the Arctic Council as a high level intergovernmental forum in providing political support

for the IPY in the Arctic and decide that the Arctic Council will develop proposals to the IPY Joint Committee." It is likely that two projects will be pursued, one on human health and one on monitoring and observations.

6. Staff Changes

The Polar Research Board regrettably announces that IPY Program Officer Sheldon Drobot has resigned, effective November 19, 2004, to take a new position with the Colorado Center for Astrodynamics Research in Boulder. He has been replaced by Dr. Paul Cutler, a geologist with experience in cold regions glaciology, meteorology, quaternary science, and hydrology. Given an increasing workload, PRB together with its partner unit the Board on Atmospheric Sciences and Climate (BASC) are seeking to hire additional staff person at the Program Officer level (position #040336-5) and a Research Associate (position #040338-7). Details of these job openings are posted at < <http://nationalacademies/careers/> > under Current Opportunities.

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We encourage comments on this newsletter as well as on the reports and activities of USNC. To provide input, contact rshiflett@nas.edu.

The US National Committee for IPY is a committee under the Polar Research Board of the National Academies. 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. USNC members include: Mary Albert, *Chair*, Cold Regions Research and Engineering Lab; Robert Bindschadler, NASA; Cecilia Bitz, University of Washington; Jerry Bowen, CBS News; David Bromwich, The Ohio State University; Richard Glenn, Arctic Slope Regional Corp.; Jacqueline Grebmeier, University of Tennessee; John Kelley, University of Alaska-Fairbanks; Igor Krupnik, Smithsonian Institution; Louis Lanzerotti, Bell Laboratories/Lucent Technologies; Peter Schlosser, Lamont-Doherty Earth Observatory; Philip Smith, Science Policy and Management; George Somero, Stanford University; Cristina Takacs-Vesbach, University of New Mexico; Gunter Weller, University of Alaska-Fairbanks (ret.); Douglas Wiens, Washington University; Mahlon Kennicutt, Texas A&M University; Patrick Webber, Michigan State University; Terry Wilson, The Ohio State University; Robin Bell, Lamont-Doherty Earth Observatory.

We encourage you to share this newsletter with colleagues.