



INTERNATIONAL POLAR YEAR
OSLO SCIENCE CONFERENCE
2010 ◊ 8-12 JUNE



Polar Science – Global Impact

The major international polar science conference in 2010

2nd Circular

The International Polar Year 2007–2008 was an ambitious undertaking in globally-urgent science that attracted more than 50,000 participants from 60 countries. It set new standards for technical achievement, data access and visualization, recruitment, education and outreach.

The IPY Oslo Science Conference will gather the full community to celebrate the remarkable accomplishments of this IPY, to display and explore the richness of IPY data, and to chart future directions for polar and global science.

This event will attract and include a broad mix of researchers, from anthropology to astronomy, genomics to glaciology, and ecology to economics. Visionary data managers, science educators, members of northern communities, young polar scientists, exhibition designers and filmmakers – all these partners in IPY's success will join the Oslo Science Conference.

Science programme

The science programme of the IPY Oslo Science Conference is shown here. With 39 sessions (up to 15 parallel) the Oslo conference will provide excellent opportunities to publish and catch up with the latest polar science. Prominent keynote speakers will add perspective to the main themes. IPY-OSC 2010 will emphasize the breadth and global impact of polar research and the urgent and compelling IPY contributions to new knowledge about climate change.

Session proposals from the community formed the basis for a programme that will accommodate the breadth of achievements from this extensive multidisciplinary and international science programme – and further the impact of IPY.

Refer to the conference website for more details about each theme and session.

Early career

The IPY-OSC will set a new precedent for the involvement of early career scientists. The activities are coordinated by The Association of Polar Early Career Scientists (APECS).

There will be an APECS Professional Development Workshop in conjunction with the conference, a networking reception with senior mentors, and more. A stipend program to support early career scientists participation at the conference includes discounted registration fee and free low-cost accommodation. Travel support will be available from IASC and other sponsors. Submission of an abstract is a requirement. The workshop will be held ahead of the science conference and will be open to registered participants at IPY-OSC only.

See www.apecs.is/oslo2010 for details.

Education, outreach and communication

Efforts in outreach and communication, as well as integration with education, have been prominent features of IPY. Several sessions are thus devoted to EOC in the main programme.

An international teacher's conference is planned for 6–7 June in conjunction with and closely integrated with the IPY Oslo Science Conference. Participants will be offered stipends similar to those offered to early career scientists.

Other activities include a concurrent PolarFESTIVAL, located mainly in Oslo city centre, and a PolarCINEMA. The PolarFESTIVAL will showcase outreach products and activities generated during IPY and provide outreach opportunities for conference delegates.

Entries for the festival and the documentary film cinema will be invited alongside the call for abstracts for science- and EOC-sessions. See website for more information.



THEME 1 Linkages between Polar Regions and global systems	THEME 2 Past, present and future changes in Polar Regions	THEME 3 Polar ecosystems and biodiversity
T1-1 Polar Oceans and their importance for global ocean circulation	T2-1 Climate and paleoclimate dynamics and processes	T3-1 Chemosynthetic eco-systems in polar waters
T1-2 Plate tectonics and polar gateways in earth history	T2-2 Troposphere and stratosphere dynamics and processes and their links with climate	T3-2 Invasive and introduced species in polar environments
T1-3 Chemical exchanges between snow, ice, atmosphere and ocean in Polar Regions	T2-3 Snow and ice dynamics and processes	T3-3 Arctic-subArctic connections: Ecosystems and bio-diversity
T1-4 Polar climate feedbacks, amplification, and teleconnections, including impacts on mid-latitudes	T2-4 Permafrost on a warming planet	T3-4 Processes in polar deep-sea benthic biodiversity
T1-5 Polar contribution to sea level rise	T2-5 From land to ocean: Hydrological, coastal, nearshore and upper shelf processes in Polar Regions	T3-5 Arctic and Antarctic freshwater ecosystems
T1-6 Arctic and Antarctic marine chemistry: The role of the polar oceans in global carbon cycling and acidification	T2-6 Ocean physical and geochemical dynamics and processes	T3-6 Impact of climate change on polar terrestrial ecosystems
T1-7 Polar/global atmospheric linking processes: Polar aerosols – sources and impacts	T2-7 Solid earth geophysical and geochemical processes	T3-7 Integrated processes in leads and polynyas
	T2-8 Heliosphere impact on geospace	T3-8 Ecosystems of the Southern Ocean

Deadline for abstract submissions: 20th January 2010

THEME 4 Human dimensions of change: health, society and resources	THEME 5 New frontiers, data practices, and directions in polar research	THEME 6 Polar science education, outreach and communication
T4-1 Human health and well-being in the Polar Regions	T5-1 New frontiers and directions in biology, ecology and biodiversity	T6-1 Learning together: The impacts of integrating education, outreach and research in IPY
T4-2 Natural resource exploration and utilisation	T5-2 New frontiers and directions in observing and technologies	T6-2 Incorporating polar science into formal education
T4-3 History of polar exploration, cooperation, research and logistics	T5-3 New frontiers and directions in subglacial exploration	T6-3 Adventures in the field: Impacts of field programs for students, teachers, artists, writers and others
T4-4 Communities and change	T5-4 Data and other cross-cutting issues for future polar research	T6-4 Global learning: The impact of the media
T4-5 Polar lessons: Arctic and Antarctic governance and economics		T6-5 Informal initiatives and polar inspiration: IPY in museums, art, films, books and drama
T4-6 Human impacts in the Arctic and Antarctic: Environmental and management implications		T6-6 PolarCINEMA No abstracts. Separate submission process.



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www.ipy-osc.no



Foto: Ove Bergersen/NN/Samfoto

Social events

Icebreaker on June 7, a Barbeque with a visit to the famous polar ship Fram on June 9, and a Polar FESTIVAL with opportunity to see Norway's most advanced research vessel, all providing great networking opportunities.

Tickets to the Barbeque: Euro 20. Includes transport, food/drinks and entrance to the Fram Museum.

Excursions

The excursions will be open to bookings on a first-come-first-served basis. There is a pre-conference cruise to Svalbard from 31st May until 7th June, timed so that participants can fly from Longyearbyen to reach the Icebreaker Party in Oslo. Registered participants for IPY Oslo Science conference will be able to attend the cruise at discounted rates. Other post-conference excursions will include visits to the fjords and glaciers in western Norway, to Bergen and to Tromsø, and to Sami communities in the North. The full excursion Programme will be announced on the conference website.

Exhibition

The conference site also includes exhibition space, PolarEXPO, where organisations and businesses operating in the polar environment can meet and show state-of-the-art equipment, products and services. PolarEXPO is also an ideal setting for science publishers to display their most recent books and journals.

The exhibition area is located in the same hall as the poster presentations, ensuring a significant flow of people through the area. PolarEXPO can accommodate more than 200 exhibitors.

More information from askn@rcn.no and on the website.

Business meetings

There are extensive facilities for business meetings before, during or after the conference, generally at no extra cost, on a first-come-first-served basis. Requests to askn@rcn.no

Marketing

We appreciate your help to advertise the IPY-OSC within your networks. Please distribute this circular as a PDF to all relevant contacts. In particular we will urge you to include a link on your institution's web to the conference website. Logo, banners and other graphic elements can be downloaded from the website or ordered from ku@rcn.no

REGISTRATION FEES

Up to 8th March 2010	EURO 490
From 9th March	EURO 590
Children under 16 year free	Free
Accompanying person (does not cover attendance at the venue, but includes all social activities except Barbeque)	EURO 90

Full registration fees include: Icebreaker Monday evening, access to the venue – both science and PolarEXPO, free transport between central Oslo and the venue, lunches and coffee breaks during the conference

IMPORTANT DATES

Deadline for abstracts submission: **20th January 2010**

Applications for stipends (early career scientists/teachers): **20th January 2010**

Early bird registration deadline: **8th March 2010**

Guaranteed hotel reservation date: **8th March 2010**

NEWSLETTER

Keep up to date on the conference, and receive reminders, by subscribing to the conference newsletter.

www.ipy-osc.no

IN THIS CIRCULAR:

- › Full science program
- › Call for abstracts
- › Update on PolarEXPO, PolarFESTIVAL and other EOC activities, excursions and social events
- › Early career activities

