IN THIS CIRCULAR:

- Full science program
- Call for abstracts
- Update on PolarExPO, PolarFESTIVAL and other IEOC activities, excursions and social events
- Early career activities

REGISTRATION FEES

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<th>Category</th>
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<tr>
<td>Full registration</td>
<td>EURO 490</td>
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<td>Early bird registration</td>
<td>EURO 590</td>
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<tr>
<td>Children under 16</td>
<td>Free</td>
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<td>Accompanying person (does not cover attendance at the venue)</td>
<td>EURO 90</td>
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IMPORTANT DATES

- Deadline for abstract submission: 30th 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

Polar Science – Global Impact

The major international polar science conference in 2010

2nd Circular

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 an 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 conferences 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. In Bergen and 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. Logos, banners and other graphic elements can be downloaded from the website or ordered from askn@rcn.no
### THEME 1: Linkages between Polar Regions and global systems

- **T1-1** Polar Oceans and their importance for oceanic heat transport
- **T1-2** Polar teleconnections and polar gateways in the Earth system
- **T1-3** Chemical exchanges between stratosphere, troposphere and oceans in Polar Regions
- **T1-4** Polar climate feedbacks, amplification, and teleconnections, including impacts on high-latitude environments
- **T1-5** Polar contribution to sea level rise
- **T1-6** Antarctic and Arctic freshwater ecosystems
- **T1-7** Antarctic and Arctic marine chemistry: The role of the polar oceans in global carbon cycling and acidification
- **T1-8** Polar/global atmospheric linking processes: Polar aerosols – sources and impacts
- **T1-9** Helioseismic impact on geospace

### THEME 2: Past, present and future changes in Polar Regions

- **T2-1** Glaciers, ice sheets and sea level rise
- **T2-2** Tropospheric and stratospheric dynamics and processes and their links with climate
- **T2-3** Arctic/sub-Arctic connections: Ecosystems and bio-diversity
- **T2-4** Permafrost on a warming planet
- **T2-5** Permafrost on a warming planet
- **T2-6** Deep-sea benthic biodiversity
- **T2-7** Solid earth geophysical and geochemical dynamics
- **T2-8** Ocean physical and upper shelf processes in the Arctic
- **T2-9** From land to ocean: Hydrological, coastal, nearshore, and upper shelf processes in Polar Regions

### THEME 3: Polar ecosystems and biodiversity

- **T3-1** Ecosystem change in the Arctic: in relation to the Pan-Arctic system
- **T3-2** Tundra vegetation and species distribution
- **T3-3** Arctic/sub-Arctic connections: Ecosystems and bio-diversity
- **T3-4** Process in polar regions, impacts on land and sea
- **T3-5** Impact of climate change on polar terrestrial ecosystems
- **T3-6** Polar lesson: Arctic and Antarctic governance and economics
- **T3-7** Invasive and introduced species in polar environments
- **T3-8** Ecosystems of the Earth’s polar regions
- **T3-9** Arctic-sub-Antarctic connections: Ecosystems and bio-diversity
- **T3-10** Arctic-periglacial process, species in polar environments
- **T3-11** Polar observing systems

### THEME 4: Human dimensions of change: health, society and resources

- **T4-1** Human health and well-being in the Polar Regions
- **T4-2** Natural resource exploration and utilisation
- **T4-3** History of polar exploration and utilisation
- **T4-4** Communities and change
- **T4-5** Human impacts in the Arctic and Antarctic: Environmental and management implications
- **T4-6** Data and other crosscutting issues for future polar research
- **T4-7** Human dimensions of change: health, society and resources

### THEME 5: Polar science education, outreach and communication

- **T5-1** Learning together: The impacts of integrating education, outreach and research in IPY
- **T5-2** Incorporating polar science into formal education
- **T5-3** Reaching new audiences
- **T5-4** Polar science and polar observing systems
- **T5-5** Polar observing systems
- **T5-6** PolarCINEMA
- **T5-7** Polar science education, outreach and communication
- **T5-8** Space in polar science
- **T5-9** Global learning: The impact of the media
- **T5-10** Polar science and polar observing systems
- **T5-11** Polar observing systems

### THEME 6: Environmental and management issues in the Arctic and Antarctic: Human impacts in the Arctic and Antarctic

- **T6-1** Polar ecosystems of the Southern Ocean
- **T6-2** Human health and well-being in the Polar Regions
- **T6-3** Human impacts in the Arctic and Antarctic: Environmental and management implications
- **T6-4** Data and other crosscutting issues for future polar research
- **T6-5** Informal initiatives and polar inspiration: IPY in museums, art, film, books and shows
- **T6-6** PolarCINEMA
- **T6-7** Polar science education, outreach and communication
- **T6-8** Polar science education, outreach and communication
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- **T6-99** Polar science education, outreach and communication
- **T6-100** Polar science education, outreach and communication

### Education, outreach and communication

- **T7-1** Polar contribution to sea level rise
- **T7-2** Tundra vegetation and species distribution
- **T7-3** Impact of climate change on polar terrestrial ecosystems
- **T7-4** Process in polar regions, impacts on land and sea
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- **T7-6** Deep-sea benthic biodiversity
- **T7-7** Solid earth geophysical and geochemical dynamics
- **T7-8** Helioseismic impact on geospace

### Deadline for abstract submissions: 20th January 2010

Updated by 24th Nov 2009