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Workshop Announcement and call for presentations “Ocean influence on climate and cryosphere in the Arctic”

28-30 November 2011

Sopot, Poland

Institute of Oceanology, Polish Academy of Sciences invite to scientific workshop on “Ocean influence on climate and cryosphere in the Arctic” to be held in Sopot on 28-30 November 2011. The meeting is sponsored by the project AWAKE financed by Polish-Norwegian Research Fund and co-sponsored by the Committee on Polar Research, Polish Academy of Sciences within a series of biannual conferences “*Progress in Polar Research*”.

Processes of exchange of energy and moisture between ocean, atmosphere and ice in cryosphere are driving factors of climatic and environmental changes in the global scale. The Arctic plays specific important role in the Earth’s environmental system.

The workshop intend to summarize progress in understanding of processes related to interaction between ocean, atmosphere and ice in the Atlantic Arctic. The main objective of the meeting is to clarify the role of ocean and atmospheric circulation in the climate and environmental changes in the high latitudes. It will be a forum for presentation of scientific results of the research project AWAKE (Arctic Climate and Environment of the Nordic Seas and the Svalbard – Greenland Area) and other projects carried within the framework of Committee of Polish Polar Research.

Main topics:

- ocean processes in the Northern Atlantic and Spitsbergen fjords (ocean circulation with special attention to heat transport, heat exchange and balance)
- climate changes in regional and local scale in different time spans (atmospheric circulation, energy balance, sea-land heat and moisture transfer);
- changes of cryosphere on land and on sea (glacier processes driven by climatic and oceanic factors, related feedbacks)
- coupling of climatic, ocean and glacial processes and consequential changes of environment in the Arctic.

The workshop intend to be a cross disciplinary meeting with oral (plenary only) and poster sessions as a leaven for discussion on interactions between sea, atmosphere and ice.



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Call for presentations:

Organizers call for submission of short abstracts of oral or poster presentations on the conference topics and related issues. Abstracts not longer than 500 words (including the title, authorship and affiliation heading) has to be submitted in a MS Word files by 5 October 2011 (e- mail address: awake@iopan.gda.pl).

Abstract will be evaluated by the Scientific Committee by 20 October 2011.

Invited keynote presentations are planned as well.

The meeting framework program:

28 November - arrival, registration, icebreaker, side business meetings;

29 November – scientific sessions, conference dinner;

30 November - scientific sessions, round table discussion.

Practicalities:

Registration will be open on www.iopan.gda.pl/AWAKE2011.

Please register filling the attached registration form.

No registration fee is required.

Venue: Institute of Oceanology, Polish Academy of Sciences,
Powstańców Warszawy 55, 81-712 Sopot, Poland.

Accommodation: There is variety of hotels in walking distance from the IOPAS. Information on Sopot and hotels can be found on www.iopan.gda.pl/AWAKE2011. Booking and payment has to be done by participants directly in hotels.

Limited support to young scientists (grants for accommodation in Sopot) will be available only for authors of accepted abstract.

Scientific Committee:

Jan Piechura – Chair

Jacek Jania

Øyvind Nordli

Rajmund Przybylak

Stein Sandven

Arild Sundfjord

Waldemar Walczowski – Scientific Secretary