Second Announcement - Call for Papers

6th Study Conference on BALTEX

Międzyzdroje, Island of Wolin, Poland

14 - 18 June 2010

Changing water, energy and biogeochemical cycles in the Baltic Sea basin

in co-operation with

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Rationale

BALTEX is a Regional Hydroclimate Project (RHP) of the Coordinated Energy and Water Cycle Observations Project (CEOP) within the Global Energy and Water Cycle Experiment (GEWEX) of the World Climate Research Programme. In recent years, the emphasis of BALTEX research has been on various aspects of regional climate change and its effects on water, energy and biogeochemical cycles in the atmosphere, on land and in the sea. Thus, the scientific focus of the conference in 2010 is on „changing water, energy and biogeochemical cycles in the Baltic Sea basin".

The 6th Study Conference on BALTEX will reflect the interdisciplinary nature of the BALTEX programme and will focus on the following major topics:

- **Climate variability and change in the past and future.** This topic involves the characterization of the past climate using recent instrumental and proxy data, detection and attribution studies, as well as assessments of past, current and future climate change, including new scenarios of the climate of the 21st century, and its impacts on the environment.
- **Water, energy and biogeochemical cycles in the regional Earth system.** This topic involves process understanding and the improvement of observations, as well as the development and assessment of regional models. As biogeochemical cycles are stongly interwoven with the water cycle, this topic integrates energy, water and biogeochemical fluxes in the sea, on land and in the atmosphere in response to climate change. Also included is the coupling of regional climate models with biogeochemical models to estimate the impact of climate change on the terrestrial, freshwater and marine environment of the Baltic Sea basin.
- **Hydrological modelling, water management and extreme hydrological events.** Hydrological changes are among the first to become evident as climate changes. How will these changes affect water management? Which dangers are we facing? This topic includes the assessment of water resources in past, present and future climates, as well as forcasting extreme events and their impacts on the environment and infrastructure.
- **Regional adaptation to climate change.** How can regions respond to the challenge of climate change? This topic involves questions related to adaptation measures on the regional scale, and the communication of climate change information between science, policy and the public.

International cooperation

The conference is envisaged as a communication platform for the research community, water and environmental resources managers, policy makers and other stakeholders. Contributions related to any of the above topics are welcome, also those originating from other GEWEX Regional Hydroclimate Projects, particularly from NEESPI, the Northern Eurasian Earth Science Partnership Initiative, as there is a regional interest also in the Baltic Sea basin. The global goals of LOICZ (Land-Ocean Interactions in the Coastal Zone) and the regional goals of BALTEX are similar, making both programmes natural partners. The conference may also act as a platform for presenting results of BONUS+ projects, as their scope encompasses many of the above stated topics. HELCOM is currently working to implement the Baltic Sea Action Plan which is an overarching strategy for the restoration of the marine environment of the Baltic Sea. It is also of high relevance in terms of climate change because, by addressing the management of a range of human induced pressures, the Action Plan also contributes to improving the resilience of Baltic Sea marine environment to the impacts of anthropogenic climate change.

Invited and contributed papers will be presented in plenary along with parallel poster sessions. Conference language is English.

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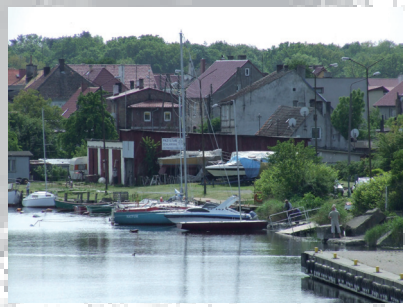

Call for Papers

Contributions in accordance with the four conference topics as outlined above, both oral or as poster, are welcome. Extended abstracts in English language, maximum of two pages, including figures, tables or diagrams, are invited to be submitted to the International BALTEX Secretariat electronically. After the conference, authors are invited to submit a full paper for a special conference issue planned to be published with *Oceanologia*.

Guidelines for Abstract Preparation and Submission

Abstracts must be submitted electronically using e-mail. An electronic abstract template including all format definitions is available at the conference website: **www.baltex-research.eu/wolin2010.** This template shall be downloaded and used for the preparation of abstracts. Authors are advised to strictly follow the formats given in this template. Other formats or paper/fax copies will not be accepted. See the website also for examples of extended abstracts in previous proceedings volumes. Abstracts must be submitted to the BALTEX Secretariat at baltex@gkss.de before 15 February 2010.

Abstract Deadline: 15 February 2010

The Scientific Conference Committee will review the submitted papers, and the authors will be notified accordingly before **31 March 2010**. An abstract volume will be distributed at the conference.
An award for best student poster presentation will be offered. See website for futher details.

Scientific Conference Committee

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The Conference is jointly organised and co-sponsored by:

Polish Academy of Sciences
Institute of Oceanology, Sopot, Poland

Polish Academy of Sciences
Research Centre of Agriculture and
Forest Environment, Poznań, Poland

University of Szczecin
Szczecin, Poland

West Pomeranian
University of Technology
Szczecin, Poland

GKSS Research Centre
Geesthacht, Germany

www.baltex-research.eu/wolin2010

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Conference Venue and Accommodation

The 6th Study Conference on BALTEX will be held 14 to 18 June 2010 at the Amber Baltic Hotel in Międzyzdroje, Island of Wolin, Poland.
Rooms are pre-booked at the Conference Hotel until **10 April 2010** at a special rate (keyword: BALTEX).

Hotel and conference venue: **Amber Baltic Hotel**, Promenada Gwiazd 1, PL-72500 Miedzyzdroje, Tel: +48 (0)91 3228500, Fax: +48 (0)91 32810-22
E-mail: info@hotel-amber-baltic.pl; Website: www.hotel-amber-baltic.pl

Hotel booking must be done directly via the Amber Baltic Hotel (keyword: BALTEX). Further information on accommodation is available at the conference website.

Conference Fee, Registration and Hotel Reservation

All conference participants shall register via the conference website by either using the electronic registration tool or by filling in the fax registration form which is available as pdf.

Registration Deadline: 10 April 2010

The conference fee is **€ 200** (€ 250 after 10 April 2010) for full delegates. Students pay **€ 100** (€ 125 after 10 April 2010) and must present evidence of student status at the time of registration. The conference fee covers the expenses for the conference venue, the conference abstract volume and participation at the conference dinner. Accompanying persons will be charged for participation at the conference dinner. Partial support for students and young scientists may be available, depending on funding. Details on support and conference fee payment are available at the conference website.

Social Events

Monday, 14 June: Ice Breaker
Tuesday, 15 June: Excursion
Thursday, 17 June: Conference Dinner

There will be a partner social programme. Further information concerning social events will be available on the conference web site.

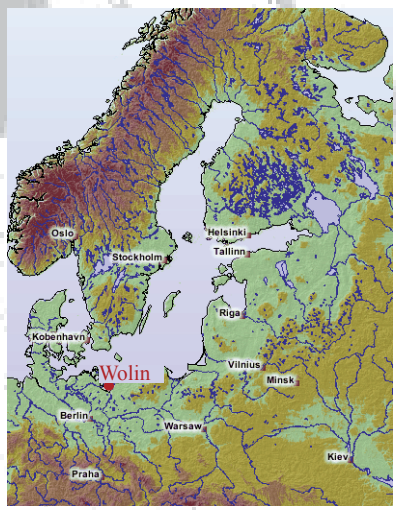
Travel Information

By plane: International flights to Berlin, further connection to Wolin by train (see below); Regular flights to Szczecin Airport from Warsaw, also from Oslo, London and Dublin

By ferry: From Copenhagen (9h overnight) or Ystad (8h) to Świnoujście, further connection to Międzyzdroje by bus

By train: Via Szczecin to Międzyzdroje (every 2h); regular connections to Szczecin from Warsaw, Berlin and Hamburg

By car: Via Szczecin and Wolin (E-65/ Road #3)



General questions related to the conference may be directed to the International BALTEX Secretariat: Phone +49 4152 87 1693 (-1661 or -1699), Fax +49 4152 87 1730, e-mail: baltex@gkss.de, or to the local organiser: Prof. Janusz Pempkowiak, Institute of Oceanology, Polish Academy of Sciences, Sopot, Poland, Tel: (+48 58) 551 7281; fax (+48 58) 551 2130; E-mail: pempa@iopan.gda.pl

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