

Second Announcement - Call for Papers

# 7<sup>th</sup> Study Conference on BALTEX

Borgholm, Island of Öland, Sweden

10 - 14 June 2013



## Changes in Energy, Water and Matter Cycles

20 years of BALTEX research

## Building Regional Earth System Knowledge

A future programme for the Baltic Sea region



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### Background and Rationale

The 7<sup>th</sup> Study Conference on BALTEX will summarize 20 years of interdisciplinary BALTEX research in the Baltic Sea basin and will present perspectives for future research. The conference title is two-fold: "Changes in energy, water and matter cycles" summarizes the scope of BALTEX research in the last 20 years; „Building regional Earth System knowledge“ stands for the scientific vision of the new programme which will inherit and further develop the BALTEX research network and scientific legacy.

The main focus of BALTEX Phase I (1992–2003) was to explore and model the various mechanisms determining the space and time variability of energy and water budgets of the Baltic Sea drainage basin and the interactions with surrounding regions. In BALTEX Phase II (2003–2012), the scope was broadened to include research on regional climate change and biogeochemical fluxes in a changing environment.

Major achievements of the past 20 years as well as latest research results from the open call for papers will be presented along with prospects and visions for the future regional Earth system research programme for the Baltic Sea basin. This new programme will be the successor to BALTEX under a new name and modified research agenda, and will be launched at the conference.

### Topics

The conference topics will reflect the past 20 years of BALTEX research with an emphasis on the scientific objectives of BALTEX Phase II. Presentations along the following topics are welcome:

- **Improved understanding of energy and water cycles under changing conditions.**  
This topic inherits the major questions from BALTEX Phase I, encompassing operational issues and observations and modelling of the water and energy cycle.
- **Analysis of climate variability and change, and provision of regional climate projections over the Baltic Sea basin for the 21<sup>st</sup> century.**  
This topic encompasses contributions to observation, analysis and modelling of past and present climate change, and projections for future climate change.
- **Provision of improved tools for water management, with an emphasis on extreme hydrological events and long-term changes.**  
This topic covers operational and management issues related to a changed water cycle with its extremes and long-term changes, including analysis, modelling and decision support systems for decision makers.
- **Biogeochemical cycles in the Baltic Sea basin and transport processes within the regional Earth system under anthropogenic influence.**  
This topic describes changes in the biogeochemistry, with multiple stressors on ecosystems of potential societal relevance to be identified and quantified, and their impacts discussed.

Part of the conference shall be devoted to contributions from GEWEX, the Global Energy and Water Exchanges Project of WCRP, and other Regional Hydroclimate Projects under the roof of GEWEX, as well as presentations from finalised BONUS+ projects. Overview presentations from both BALTEX phases will be given as well as prospects for the new programme to be launched at the conference.

BALTEX is part of the GEWEX programme and contributes to the goals of WCRP.

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### Call for Papers

Contributions in accordance with the 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. Based on their presentation, authors will be invited to submit a full paper for a special conference issue in an international scientific journal to be published after the conference (for back issues see [www.baltex-research.eu/publications/](http://www.baltex-research.eu/publications/)).

### 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/oland2013](http://www.baltex-research.eu/oland2013). 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 ([www.baltex-research.eu/publications/](http://www.baltex-research.eu/publications/)). Abstracts must be submitted to the BALTEX Secretariat at [baltex@hzg.de](mailto:baltex@hzg.de) by 28 February 2013.

**Abstract Deadline: 28 February 2013**

The Scientific Conference Committee will review the submitted papers, and the authors will be notified accordingly before **31 March 2013**. An abstract volume will be distributed at the conference. See website for further details.

### Scientific Conference Committee

- Andris Andrušaitis, Latvia
- Mikko Alestalo, Finland
- Berit Arheimer, Sweden
- Franz Berger, Germany
- Ryhor Chekan, Belarus
- Jüri Elken, Estonia
- Sven-Erik Gryning, Denmark
- Sirje Keevallik, (Co-Chair), Estonia
- Zbigniew W. Kundzewicz, Poland
- Joakim Langner, Sweden
- Michael Lautenschlager, Germany
- Andreas Lehmann, Germany
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- Anders Omstedt (Co-Chair), Sweden
- Janusz Pempkowiak, Poland
- Bernd Schneider, Germany
- Benjamin Smith, Sweden
- Martin Stendel, Denmark
- Tapani Stipa, Finland
- Hans von Storch, (Co-Chair), Germany
- Valery Vuglinsky, Russia

### Organizing Committee

- Joakim Langner (Chair), SMHI, Sweden
- Anders Omstedt, University of Gothenburg, Sweden
- Roland Engkvist, Linnaeus University, Kalmar, Sweden
- Marie-José Gaillard, Linnaeus University, Kalmar, Sweden
- Marcus Reckermann, Silke Köppen and Hans-Jörg Isemer, International BALTEX Secretariat at Helmholtz-Zentrum Geesthacht, Germany

### Present co-organizers and co-sponsors of the conference:



Swedish Meteorological and Hydrological Institute



University of Gothenburg



FINNISH METEOROLOGICAL INSTITUTE



Marine Systems Institute  
at Tallinn University of Technology



**Helmholtz-Zentrum  
Geesthacht**

Centre for Materials and Coastal Research

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## Conference Venue and Accommodation

The 7<sup>th</sup> Study Conference on BALTEX will be held 10 to 14 June 2013 at the Strand Hotell in Borgholm, Island of Öland, Sweden. Rooms are pre-booked at the Conference Hotel until **15 April 2013** at a special rate (keyword: BALTEX).

Hotel and conference venue contacts:

Strand Hotell Borgholm, 387 88 Borgholm, Sweden  
Tel: +46 485-888 88, Fax: +46 485-888 99,  
[www.strandborgholm.se](http://www.strandborgholm.se); [info@strandborgholm.se](mailto:info@strandborgholm.se)

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



## Conference Fee and Registration

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 and Fee Payment Deadline: 26 April 2013

The conference fee is **€ 250** (€ 300 after 26 April 2013) for full delegates. Students pay **€ 100** (€ 150 after 26 April 2013) 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, daily refreshments, ice breaker, daily lunch and the conference dinner at the Borgholm Castle on Thursday evening.** Accompanying persons will be charged for participation at the conference dinner. Partial support for students and young scientists may be available, depending on additional funding. Details on support and conference fee payment are available at the conference website.



## Social Events

Monday, 10 June:	Ice Breaker
Tuesday, 11 June:	Excursion
Thursday, 13 June:	Conference Dinner



## Travel Information

- By car via Kalmar across the Öland bridge
- International Airports: Stockholm and Copenhagen, domestic to Kalmar Airport
- By bus or train from Stockholm or Copenhagen to Kalmar, then by public bus to Borgholm

## Information on Öland and Borgholm

[www.olandsturist.se](http://www.olandsturist.se)  
[www.borgholm.se](http://www.borgholm.se)



General questions related to the conference may be directed to the International BALTEX Secretariat:  
Phone +49 4152 87 1693 or 1699, Fax +49 4152 87 1730, e-mail: [baltex@hzg.de](mailto:baltex@hzg.de)