



Baltic Earth

Earth System Science for the Baltic Sea Region

**Baltic Earth
Newsletter
No. 2
December 2016**

Dear colleague,

Many things have happened since the launch of Baltic Earth on Öland, Sweden in 2013. We have organized three summer schools, various workshops, outreach seminars and other scientific events, and we had a very successful **first Baltic Earth Conference** this summer. A special issue in "Earth System Dynamics" on the topic of the conference "Multiple drivers for Earth system changes in the Baltic Sea region" is in preparation, and this topic is also a new Baltic Earth Grand Challenge and Working Group, and we are anticipating a dedicated workshop on this topic in the latter half of 2017. The Baltic Earth Science Plan is in its final technical preparation phase and will be available in the beginning of next year. One new development is that Baltic Earth Conferences will be organized every two years as compared to the three-year cycle in BALTEX. The first announcement for the 2nd Baltic Earth Conference will be issued this spring, but already now you may mark the week 11-15 June 2018 in your calendar! Some interesting workshops and conferences are on the agenda for the first half of 2017, either co-organized by Baltic Earth or with direct relevance (see below).

This is the first online Newsletter of Baltic Earth. We have decided to move from the paper to the online version of the Newsletter, as we consider this to be the quicker and more flexible medium. However, we still intend to publish short research articles, so you are invited to send short scientific articles as well as Baltic Earth related news or reports from your project or institute, and of course conference or workshop announcements.

We from the International Baltic Earth Secretariat wish you a Merry Christmas and a relaxed start into 2017!

Announcements



Baltic Earth Workshop on
Coupled atmosphere-ocean modeling for the Baltic Sea and North Sea
Leibniz Institute for Baltic Sea Research
Warnemünde, Germany. 7- 8 February 2017.
The workshop aims to bring scientist interested in coupled modeling of the Baltic Sea and North Sea regions together to discuss scientific results, recent progress in model development, technical challenges, coordinated experiments and common publications. Poster abstracts and registrations until 15 January 2017. [More...](#)



Baltic from Space

Together with Baltic Earth, ESA, the European Space Agency, organizes a Workshop on the potential of satellite remote sensing applications for scientific research in the Baltic Sea region. Poster abstracts can be submitted by 31 January 2017. The event takes place at the Dynamicum, Finnish Meteorological Institute, Helsinki, 29-31 March 2017. [More...](#)



Baltic Earth at the European Geophysical Society General Assembly 2016

Vienna, Austria, 23–28 April 2017

Contribute with your Baltic Earth related science to our **Baltic Earth related sessions** at EGU2016! A session on **Baltic and North Sea Climate Change Assessments** and an Open Session on **Coastal and Shelf Seas** with an envisaged Baltic Earth sub-session...

Submission deadline: 11 January 2017. [More...](#)



Regional Sea Level Changes and Coastal Impacts

Columbia University, New York, 14-17 July 2017

The WCRP, jointly with the Intergovernmental Oceanographic Commission of UNESCO (IOC), is organizing an international conference on sea level research that will address the existing challenges in describing and predicting regional sea level changes, and in quantifying the intrinsic uncertainties. The Baltic Sea can serve as a regional example. Abstract submission deadline: 15 February 2017. [More...](#)



11th Baltic Sea Science Congress

“Living along gradients: past, present, future”

Leibniz Institute for Baltic Sea Research and the University of Rostock, Germany, 12 – 16 June 2017.

Particular attention is given to the special characteristics of the Baltic Sea and comparable enclosed marine systems as well as to the challenges of an integrated management, as well as the four main session topics.

[More...](#)



15th Polish-German Seminar on Coastal Research

On 11 and 12 October 2016, the 15th German-Polish Seminar on Coastal Research was held at the International Maritime Museum in Hamburg. This series of Seminars was initiated by Prof. Jürgen Sündermann from the Institute of Oceanography, University of Hamburg, and Prof. Piotr Wilde, Institute of Hydroengineering of the Polish Academy of Sciences Gdansk, in 1979.

[More...](#)



New inventory of funding instruments for research in the Baltic Sea region

The Baltic Funding inventory includes more than 300 funding instruments. They cover public and private funding sources from all Baltic Sea countries (Germany, Poland, Denmark, Sweden, Finland, Estonia, Lithuania and Latvia), including the non-EU countries such as Norway and Russia. In addition, EU-wide funding programmes are included. This is not a complete, exhaustive inventory, but a “partial picture” of the situation of funding sources in November 2015. Other funding sources and instruments do exist. [More...](#)

[More upcoming and past events...](#)

[Featured Publication](#)

Here we feature a recent publication from the Baltic Earth network with outstanding relevance for the programme’s research fields. Send us your new publications, they will be documented on our [publication page](#).

Barkhordarian, A., H. von Storch, E. Zorita, and J. Gómez-Navarro, 2016:

An attempt to deconstruct recent climate change in the Baltic Sea Basin

Journal of Geophysical Research - Atmospheres, November 2016

Are the regional observed changes in temperature and precipitation above the noise level of natural variability? If so, can we pinpoint causes for these changes? The answers may seem simple, as the anthropogenic greenhouse gas emissions have been found guilty by an overwhelming body of evidence on the global scale (see the recent IPCC report). However, it appears not to be so simple on the regional scale, as was also described in BACC II (part 6). This paper by Barkhordarian et al. is a new attempt to tackle these basic questions on the regional scale of the Baltic Sea region. The author's conclusions are that greenhouse gases explain the warming in winter and spring, but for explaining the warming in summer and fall they are insufficient, and it may be that the regional reduction of aerosols may have added an additional warming in recent decades.

New Baltic Earth Publications...

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