



1. Website, social networks and blog



Baltic Earth

Earth System Science for the Baltic Sea Region

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1st Baltic Earth Conference
Multiple drivers for Earth system changes in the Baltic Sea region
 Nida, Curonian Spit, Lithuania
 13 - 17 June 2016

[BACC II](#)

**Helmholtz-Zentrum
Geesthacht**
Centre for Materials and Coastal Research



[BALTEX Website...](#)



BALTEX is now Baltic Earth.



Baltic Earth stands for the vision to achieve an improved Earth system understanding of the Baltic Sea region. This means that the research disciplines of BALTEX continue to be relevant, but a more holistic view of the Earth system encompassing processes in the atmosphere, on land and in the sea as well as in the atmosphere shall gain in importance in Baltic Earth relative to BALTEX. Specific grand research challenges represent interdisciplinary research questions to be tackled by the new programme in the coming years. A major means will be scientific assessments of particular research topics by expert groups, similar to the BACC approach, which shall help to identify gaps and inconsistencies in the current knowledge. The continuity in basic research fields, structure (secretariat, conferences, publications) and the network (people and institutions) is symbolised by the clearly recognizable logo, being very similar to the BALTEX logo, but still distinctly different.

A science plan is currently in preparation. The intention is to respond flexibly to a continuously on-going definition of core research questions which are identified to be key scientific issues, so-called Grand Challenges for research. These will be identified at conferences and by assessing existing knowledge in a specific research field by dedicated working groups (following the BACC approach). Research foci are planned for periods of about 3-4 years. Baltic Earth will communicate with stakeholders and research funding agencies to promote funding relevant for the Grand Challenges.

NEWS

News
 Baltic Earth now in the social media:
[facebook.com/BalticEarth](https://www.facebook.com/BalticEarth)
twitter.com/BalticEarth
 Like and follow us!

Also follow [The BACC Blog](#).

[Home](#) | [Contact](#) | [Siteinfo](#)  

Upcoming Events

Open Seminar on
Climate modelling and impacts: From the global to the regional to the urban scale
 10 March 2015, HafenCity University
 Hamburg. [More...](#)

Dedicated Session at EGU General
 Assembly 2015 in Vienna, 12-17 April 2015:
Climate change assessments for the Baltic and North Sea regions (BACC, NOSCCA): Observations, model projections and impacts.
[More...](#)

21-24 April 2015: International Conference:
The Problems of Hydrometeorological Security of the Economy Under Climate Change
 Minsk, Belarus.
[Infos in Russian...](#)
[Infos in English...](#)

12-14 May 2015: **European Climate Change Adaptation Conference (ECCA) 2015.**
 Copenhagen, Denmark. [More...](#)

15-19 June 2015: **10th Baltic Sea Science Congress.** Riga, Latvia. [More...](#)

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

The BACC Blog





Report from the International Baltic Earth Secretariat

facebook.com/BalticEarth

twitter.com/BalticEarth

The screenshot shows the Facebook profile for 'Baltic Earth Organisation'. The profile picture is the organization's logo. The cover photo is a map of the Baltic Sea region. A notification banner reads 'Baltic Earth is on Facebook. To connect with Baltic Earth, sign up for Facebook today.' with 'Sign Up' and 'Log in' buttons. The page includes a 'Timeline' section with an event titled 'An international scientific seminar on Climate modelling and impacts: From the Global to the Regional to the Urban scale' held on 10 March at Hafencity University Hamburg. The 'ABOUT' section states that Baltic Earth is a network of scientists and institutions around the Baltic Sea, with the website URL http://www.baltic-earth.eu/.

The screenshot shows the Twitter profile for @BalticEarth. The profile picture is the organization's logo. The bio is empty. The page shows 3 tweets and 1 follower. The tweets include: 'Second Assessment of Climate Change for the Baltic Sea Basin' (3. März), 'Baltic Earth Seminar at Hafencity University Hamburg, 10 March 2015 on Climate modelling and impacts...' (2. März), and 'Baltic Earth: Interdisciplinary scientific collaboration across the Baltic Sea region!' (2. März). The 'Trends' section lists hashtags like #sgdbvb, #chkuessewenichwill, #dfbpokal, #Doping, #contentmc, Glückwunsch Stuttgart, and Fussball.



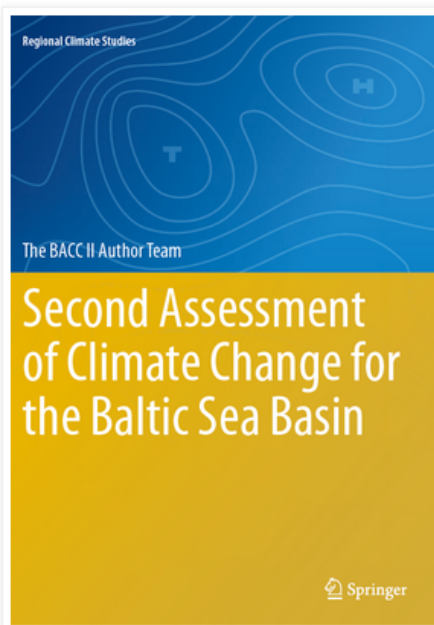
The BACC Blog

Regional Climate Change in the Baltic Sea region and its impacts on marine and terrestrial environments

www.baltic-earth.eu/BACC2/

SUNDAY, 22 FEBRUARY 2015

BACC II book on the finish line...



The new BACC II book is in its final stage of production. Here you can see a first glimpse of the cover...

According to the augurs, the book will be published in April as Open Access.

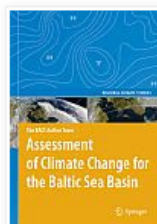
You can already now pre-order a print copy here...

Posted by [Marcus Reckermann](#) at 19:47 No comments:

WEDNESDAY, 18 FEBRUARY 2015

Baltic Earth Seminar at HafenCity University Hamburg, 10 March 2015

THE BACC BOOK (2008)



HOW TO USE THIS BLOG

BACC I and BACC II Lead Authors and SSC members have the right to submit postings, i.e. to begin new threads. Anyone can respond and comment. Just click on the comment line. Postings may also be sent to [Marcus Reckermann](#) and [Hans von Storch](#) and will be posted with a short delay.

Please follow the common netiquette rules, i.e. refrain from insulting language, but be to the point. Please give your name or use an alias - comments from "anonymous" should be avoided.

BACCGROUND

The BACC Blog is an open platform to exchange views and comments about the BACC project (BALTEX and Baltic Earth Assessment of Climate Change for the Baltic Sea Basin).

The regional climate change assessment report for the Baltic Sea basin was published in January 2008 (BACC Author Team, 2008). The assessment is an example for a type of urgently needed

thebaccblog.blogspot.de

Should we have an open Baltic Earth Blog on controversial issues?



2. BALTEX and Baltic Earth Publication

BALTEX Database fully accessible through new Baltic Earth website, new publications added, no two separated databases (At present, there are 11 books, 711 peer-reviewed journal articles, 65 reports, 811 Study Conference presentations with reference to BALTEX/Baltic Earth, as well as 55 issues of the International BALTEX Secretariat Publication Series (IBSP; ISSN 1681-6471) and 4 issues of the International Baltic Earth Secretariat Publication Series (IBESP; ISSN 2198-4247).



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[1st Baltic Earth Multiple driver system change Baltic Sea region Nida, Curonia Lithuania 13 - 17 June 2015](#)

[BACC II](#)



BALTEX /Baltic Earth Publications

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The data base for the publications is the BALTEX/Baltic Earth electronic publication library, accessible via the Baltic Earth homepage at <http://www.baltic-earth.eu>. A book, journal article or report is qualified as a BALTEX/Baltic Earth publication, if either it describes results of a BALTEX/Baltic Earth project and BALTEX/Baltic Earth is explicitly referred to in the title, abstract, introduction or summary of the publication the publication makes explicitly reference to the programme, or if the publication contributes to at least one BALTEX Phase II/Baltic Earth objective or Grand Challenge, and the authors agree that their publication is listed on the Baltic Earth website and publication database.

At present, there are 11 books, 711 peer-reviewed journal articles, 65 reports, 811 Study Conference presentations with reference to BALTEX/Baltic Earth, as well as 55 issues of the International BALTEX Secretariat Publication Series (IBSP; ISSN 1681-6471) and 4 issues of the International Baltic Earth Secretariat Publication Series (IBESP; ISSN 2198-4247).

Status as of 2 March 2015

Silke Köppen and Marcus Reckermann

International Baltic Earth Secretariat



3. Second Baltic Earth Newsletter

Contributions needed ...

No. 1
December 2013



Baltic Earth
Earth System Science for the Baltic Sea Region

Newsletter

Contents

- On Baltic Earth1
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Baltic Earth – Earth System Science for the Baltic Sea region

H. E. M. Meier, A. Rutgersson-Owenius, M. Reckermann, J. Aigars, F. Berger, I. Daillidienė, C. Donnelly, J. Haapala, S. Keevalik, K. Kulinski, A. Lehmann, K. Myrberg, C. Nilsson, A. Omstedt, I. Partasenok, P. Post, G. Rehder, B. Smith, M. Stendel, H. von Storch, S. Zhuravlev, E. Zarita (for affiliations, please see www.baltic-earth.eu)

After 20 years of intensive scientific and outreach activities, the Baltic Sea Experiment (BALTEX, 1993-2013), one of the original continental-scale experiments of the Global Energy and Water Cycle Experiment (GEWEX) within the World Climate Research Program (WCRP), recently came to its scheduled end. As BALTEX was among scientists regarded as a very successful research programme, the science steering group agreed to launch a successor programme with the new name "Baltic Earth", with a revised focus on Earth system science. The programme is led by a renewed and younger steering group to continue the interdisciplinary and international collaboration in the Baltic Sea region. Although Baltic Earth will face new challenges, it inherits the BALTEX network (people and institutions), infrastructure (secretariat, study conferences, workshops, and publications) and scientific legacy, symbolized by a somewhat modified logo (compare the logos on both covers of this issue). Like BALTEX, the new programme aims to be embedded into international, global-scale programmes like GEWEX/WCRP and Future Earth.

The vision of Baltic Earth is to achieve an improved Earth system understanding of the Baltic Sea region. This means that the research disciplines of BALTEX will continue to be relevant, but with a more holistic view that encompasses processes in the atmosphere, land, and sea as well as in the anthroposphere. Specific „Grand Challenges“ are being formulated that will represent major interdisciplinary research questions to be tackled by the new programme in the coming years. Thematic assessments of particular research topics will be compiled by expert groups which shall help to identify gaps in our current knowledge and to

initiate research projects. An example of such a thematic assessment with a benefit for society is the BALTEX Assessment of Climate Change for the Baltic Sea Basin (BACC). It summarizes the currently available knowledge on past, present and future climates in the Baltic Sea region, following the approach of the Intergovernmental Panel on Climate Change, but with a much more pronounced regional focus. At present, the second assessment is in its final phase and is expected to be published in spring 2014. One important activity of Baltic Earth will be to continue this series of assessments.

A science plan is being developed by the acting Interim Science Steering Group (ISSG) and will be available in summer 2014. It will be presented at the 3rd Lund Workshop on Regional Climate Modelling. Today, the ISSG consists of 22 scientists (7 females and 15 males), representing 10 Baltic Sea countries, various disciplines and key institutes of the region. The ISSG is chaired by Markus Meier (Swedish Meteorological and Hydrological Institute, Sweden) and Anna Rutgersson (Uppsala University, Sweden). After the implementation phase of Baltic Earth, a permanent Science Steering Group (SSG) will be appointed in June 2014.



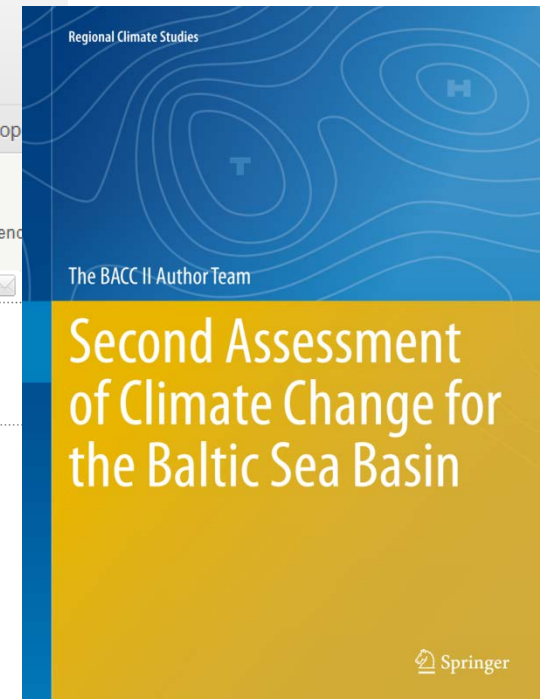
Markus Meier, Marcus Reckermann and Anna Rutgersson (from left) unveil the new Baltic Earth logo at the 7th Study Conference on BALTEX.



4. BACC II Status

- in print, page proofs at authors
- Official publication date 14 May 2015, possibly earlier...
- Planning a launch event at ECCA 2015 in Copenhagen, 12-14 May 2015
- In 2015: Establishment of a common summary of BACC II in easy language (in English)
- In 2015/2016: From this summary establish regionalized and translated summaries for the different Baltic Sea countries
- Goal is to reach regional administration and general public

The screenshot shows the Springer website interface. At the top is the Springer logo and a search bar. Below the navigation menu, the breadcrumb trail reads: Earth System Sciences > Home > Geowissenschaften & Geographie > Earth System Sciences. The main content area features the book cover for 'Second Assessment of Climate Change for the Baltic Sea Basin' by The BACC II Author Team. The cover is blue and yellow with a topographic map. The book details are: Series: Regional Climate Studies; Editor: The BACC II Author Team (Ed.); Year: 2015; Pages: XXXIII, 506 p.; Illustrations: 232 illus., 174 illus. in color. The price is listed as 53,49 € (gross price for Germany) with a 'Jetzt kaufen' button. ISBN 978-3-319-16005-4 is provided, along with free shipping worldwide and a due date of May 14, 2015. Social media sharing options for Facebook, Twitter, and Google+ are visible. Below the book details is an 'ABOUT THIS BOOK' section with three bullet points: 'Provides an up-to-date regional assessment of climate change in the Baltic Sea basin', 'Treats atmospheric, hydrological, oceanographic, biogeochemical, ecosystem and societal changes now and in the future', and 'Comprehensive reference and text book for professional and academic use'. A paragraph of text follows, describing the book as an update of the first BACC assessment from 2008, covering regional climate research, projections, and impacts on ecosystems and urban areas.





5. SAB confirmed members

- Jüri Elken, chair (Tallinn University of Technology, Estonia)
- Andris Andrusaitis (BONUS, University of Latvia, Latvia)
- Kay Emeis (Institute of Coastal Research @ HZG, Germany)
- Hans-Jörg Isemer (EU projects Department @ HZG, Germany)
- Fritz Köster (DTU Aqua, Denmark)
- Stanislaw Massel (IO-PAN, Poland)
- Jan Polcher (Laboratoire de Météorologie Dynamique du CNRS, GEWEX Hydroclimatology Panel GHP, Co-Chair)
- Valery Vuglinsky (State Hydrographical Institute St. Petersburg, Russia)
- Ula Li Zweifel (HELCOM Secretariat)

- Delang Chen (University of Gothenburg, Sweden; Future Earth)



Candidate for SAB

Deliang Chen



Personal Information

Date of Birth: July 21, 1961
Birth place: Jiangsu (Taizhou city), China
Citizenship: Swedish

Education

1992 Ph.D. at Johannes Gutenberg-University Mainz, supervised by **Prof. P. J. Crutzen**
1983 B.S. in Climatology, Department of Meteorology, **Nanjing University**

Positions held

2012-2015 Assistant Dean for Research and Chair of the Research Committee the Faculty of Science, **University of Gothenburg**
2012-2017 Adjunct Professor at **Institute of Tibetan Plateau Research, Chinese Academy of Sciences**
2009-2012 Executive Director of the International Council for Science (ICSU)
2006-2007 Director for '**Gothenburg Atmospheric Science Centre**'
2002-2008 Science Director of the **Beijing Climate Center**
1995- Founder and head of the **Regional Climate Group** at the **University of Gothenburg**

Awards and Honors

2013 Elected Member of the **Royal Society of Arts and Sciences in Gothenburg**
2010 Elected Member of the **Royal Swedish Academy of Sciences**
2010 Honorary Professor, the **Center for Earth Observation and Digital Earth (CEODE), Chinese Academy of Sciences**
2000 Overseas Assessor, **Chinese Academy of Sciences**
1999 Honorary Professor by **Chinese Academy of Agricultural Sciences, China**



6. The **GEWEX connection** From GEWEX-GHP meeting report, Rio 2013

“The Panel was encouraged that BALTIC-Earth seems to be aligning well with WCRP/GEWEX challenges and science questions, noting that **all of the BALTIC-Earth GCs, except for GC2, are associated with topics of direct interest to GEWEX at both the regional and global scales. None-the-less IGPO accepted the Action (A7) to contact BALTIC-Earth representatives of record to ensure that they are aware of the GSQs and that they factor those into their implementation processes**”

- MR presented Baltic Earth at the GEWEX Conference “Trending Water” in The Hague, 14-17 July 2014
- MR presented Baltic Earth at the GEWEX-GHP meeting in Pasadena, 12 December 2014



6. The GEWEX connection From GEWEX-GHP meeting report, Pasadena 2014

Current Baltic Earth Grand Challenges

The GEWEX Science Questions

1. Observations and Predictions
of Precipitation

2. Global Water Resource Systems

3. Changes in Extremes

4. Water and Energy Cycles
and Processes

- **GC1: Salinity dynamics in the Baltic Sea**
- GC2: Land-Sea biogeochemical feedbacks in the Baltic Sea region
- **GC3: Natural hazards and extreme events in the Baltic Sea region**
- GC4: Understanding sea level dynamics in the Baltic Sea
- GC5: Understanding regional variability of water and energy exchanges
- The **human impact** will be assessed at all levels, wherever possible



7. Potential Baltic Earth future outreach products...

Possibly a Baltic Sea Climate Atlas, based on or similar to the products

Climate Atlas (Projections)

www.norddeutscher-klimaatlas.de

Climate Monitor (Observations)

www.norddeutscher-klimamonitor.de

Coastal defense needs (projected sea levels)

www.kuestenschutzbedarf.de

Presentation by Insa Meinecke on this tomorrow afternoon!!!

Klima
NORDDEUTSCHES
büro

Küstenschutzbedarf

Küstenschutzbedarf an der Ostseeküste - heute und in Zukunft

Die Karte zeigt auf der Basis der Sturmflut vom 12. / 13. November 1872, in welchen Regionen der deutschen Ostseeküste Küstenschutzbedarf besteht (voreingestellt). Zusätzlich können Sie sich anzeigen lassen, welche Gebiete Ende des 21. Jahrhunderts voraussichtlich zusätzlich geschützt werden müssen. Bis dahin können hohe Sturmfluten, wie beispielsweise die Sturmflut vom 12. / 13. November 1872, durch den Meeresspiegelanstieg bis zu 80 cm höher auflaufen.

Bitte geben Sie eine Postleitzahl oder eine Adresse ein:

Suche

Heute vor Sturmfluten zu schützendes Gebiet (Beispiel Sturmflut 1872)

Bis 2100 vor Sturmfluten zu schützendes Gebiet (Beispiel Sturmflut 1872 + 80 cm)

Topographische Karte S/W

Anleitung

Hintergrundinformationen

Links zum Thema:

- ▶ WSV: Aktuelle Wasserstände
- ▶ BSH: Wasserstandsvorhersage
- ▶ MLUR: Verhaltensempfehlung
- ▶ BMVBS: Hochwasserschutzfibel



8. Other issues

- Request by Lev Kitaev to join WG on Extremes
- Request by Uli Looser, Head of Global Runoff data Centre, to host the BALTEX Hydrological database
- MR member of the BONUS Advisory Board
- Presentations on Baltic Earth and BACC given by MR at
 - [ASLO Honolulu, 23-28 February 2014 \(oral\)](#)
 - [RadOst Wrap-Up Conference, Rostock, 1 Apr 2014 \(oral\)](#)
 - [IEEE/OES Baltic Symposium, Tallinn, 26-28 Apr 2014 \(poster\)](#)
 - [EGU 2014, Vienna, 29 April 2014 \(poster\)](#)
 - [Parliamentarian Forum Southern Baltic Sea, 21 May 2014, Kaliningrad \(oral\)](#)
 - [GEWEX Conference, Den Haag, 14-16 Jul 2014 \(poster\)](#)
 - [Polish-German Seminar on Coastal Research, Sopot, 13-15 Oct 2015 \(oral\)](#)
 - [Chinese-German Symposium on Coastal Research, Quindao, 20-24 Oct 2014 \(oral\)](#)
 - [3rd round table of the BSR climate change dialogue platform, Tallinn, 12 Nov 2014 \(oral\)](#)
 - [Dialogforum 15. Podiumsgespräch Meeresmuseum Stralsund, 20 Nov 2014 \(oral\)](#)
 - [GEWEX-GHP meeting, Pasadena, 12 Dec 2014 \(oral\)](#)
 - [AGU 2014, San Francisco, 17 Dec 2014 \(oral\)](#)
 - [PACES \(Helmholtz Association Funding scheme\) WG meeting, Sylt, 9-10 Feb 2015 \(oral\)](#)

National (Germany)

Baltic Sea region

International beyond
Baltic Sea region



10. Upcoming events and activities

- Produce Baltic Earth Flyer/Roll-Up
- Production of BACC II Summary, organize translations and regionalizations
- Coordination and production of Baltic Earth Science Plan
- **EGU 2015 Vienna: Session on BACC and NOSCCA, 12-17 Apr (Convener)**
- **European Climate Change Adaptation Conference (ECCA), Copenhagen 12-14 May (Oral pres.)**
- **BACC II Book presentation Event at ECCA, Copenhagen 12-14 May (Organizer)**
- Symposium on Baltic Marine Inflows, Baltic Sea Research Institute (IOW), Warnemünde, Germany, 20 May 2015
- **Baltic Sea Science Congress, Riga, 15-19 June (Oral pres.)**
- **Summer Doctoral Course, Tartu/Vilsandi, 10-14 Aug (Co-Organizer)**
- **Summer Doctoral Course, Askö, 24-30 Aug (Co-Organizer)**
- **Baltic Earth Workshop on Regional Climate Modelling, Rome, 5-6 Nov (Co-Organizer)**
- **2nd Baltic Earth Gulf of Finland Workshop, Helsinki, 17-19 Nov (Co-Organizer)**
- **1st Baltic Earth Conference, Nida, 13-17 June 2016 (Organizer)**



EGU 2015 Vienna: Session on BACC and NOSCCA

12-17 Apr



European Geosciences Union General Assembly 2015

Vienna | Austria | 12 – 17 April 2015

EGU.eu



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CL4.13

Climate change assessments for the Baltic and North Sea regions: Observations, model projections and impacts

Convener: [Marcus Reckermann](#)

Co-Conveners: [Markus Quante](#), [Corinna Schrum](#), [Anders Omstedt](#)

▪ [Convener Login](#)

▪ [Orals / Mon, 13 Apr, 08:30–12:00 / Room Y8](#)

▪ [Posters / Attendance Mon, 13 Apr, 17:30–19:00 / Yellow Posters](#)

★ [Add this Session to your Personal Programme](#)

Regional climate change assessment reports for the Baltic and North Sea regions have now been established as independent regional compilations of the available published knowledge on observed and modeled future regional climate change, including ecological, environmental and socio-economic impacts. These assessments are similar to the global IPCC reports but emphasize on the regional scale and draw upon the knowledge of regional experts. The first BACC book (Assessment of Climate Change for the Baltic Sea basin) was published in 2008, and the second (BACC II), to which 140 authors have contributed, will be published at the time of the EGU 2015. NOSCCA, the North Sea Region Climate Change Assessment, is in its final phase and will publish the results elaborated by about 130 authors later in 2015.

This session invites the authors of the BACC II and NOSCCA assessments to present their results to a larger audience. Authors who have not participated in the assessments but would like to present relevant research connected to the session theme are invited as well. Aim of this session should be to present a good overview over the current knowledge of climate change and its impacts in the Baltic and North Sea regions, and also to look at the regional differences between these highly utilised areas.



EGU 2015 Vienna: Session on BACC and NOSCCA 12-17 Apr

Orals:

Monday 13 April
8:30-12:00

Posters:

Monday 13 April
17:30-19:00

Monday, 13 Apr 2015

Room: Y8

Chairperson: Corinna Schrum

Past and present changes

08:30-08:45 [EGU2015-14955](#)



Assessments of regional climate change and its impacts in Northern Europe

Anders Omstedt, Hans von Storch, Marcus Reckermann, and Markus Quante

08:45-09:00 [EGU2015-1929](#)



Climate change during the last 200 years in the Baltic Sea region

Anna Rutgersson, Jukka Käyhkö, Jaak Jaagus, Sirpa Rasmus, Frederik Schenk, and Martin Stendel

09:00-09:15 [EGU2015-3458](#)



Two centuries of observed atmospheric variability and change over the North Sea region

Martin Stendel, Else van den Besselaar, Abdel Hannachi, Elizabeth Kent, Christiana Lefebvre, Geert Jan van Oldenborgh, Gudrun Rosenhagen, Frederik Schenk, and Gerard van der Schrier

09:15-09:30 [EGU2015-9543](#)



Recent trends and variations in Baltic Sea temperature, salinity, stratification and circulation

Jüri Elken, Andreas Lehmann, and Kai Myrberg

09:30-09:45 [EGU2015-1663](#)



Past and ongoing changes in the North Sea and its interface regions

John M. Huthnance, Ralf Weisse and the [NOSCCA Team](#)

09:45-10:00 [EGU2015-5940](#)



Two centuries of mean Baltic Sea level variability - an overview

Birgit Hünicke, Eduardo Zorita, Kristine S. Madsen, and Milla Johannson

Coffee Break

Chairperson: Anders Omstedt

Future changes and impacts

10:30-10:45 [EGU2015-8786](#)



Future Climate Change in the Baltic Sea Area

Ole Bøssing Christensen, Erik Kjellström, Eduardo Zorita, Torben Sonnenborg, Markus Meier, and Aslak Grinsted

10:45-11:00 [EGU2015-1370](#)



Climate changes in the North Sea region – a review of recent assessments

Wilhelm May, Anette Ganske, Gregor Leckebusch, Burhardt Rockel, Birger Tinz, and Uwe Ulbrich

11:00-11:15 [EGU2015-6373](#)



Projected climate change impacts to the North Sea marine system

Corinna Schrum and the [NOSCCA Climate Change Impact Marine System Author Team](#)

11:15-11:30 [EGU2015-5470](#)



Projected Climate change effects on North Sea and Baltic Sea: CMIP3 and CMIP5 Model-Based Scenarios

Dhanya Pushpadas, Corinna Schrum, and Ute Daewel

11:30-11:45 [EGU2015-5612](#)



Anthropogenic climate change impact on future North Sea wave and surge conditions

Iris Grabemann, Lidia Gaslikova, Nikolaus Groll, and Ralf Weisse

11:45-12:00 [EGU2015-3213](#)



Attributing causes of regional climate change in the Baltic Sea area

Jonas Bhend, Marie-José Gaillard-Lemdahl, and Hans-Christen Hansson



European Climate Change Adaptation Conference (ECCA), Copenhagen 12-14 May (oral pres.)

Scope of ECCA 2015

The second European Climate Change Adaptation conference (ECCA) will take place in Copenhagen, 12–14 May 2015.

Researchers, policy makers, and climate change impact and adaptation businesses are welcomed to share new research results, novel policy developments, and on-the-ground experiences.

Opening Reception:
11 May 2014, Copenhagen Town Hall

Closing Reception:
13 May 2014, Confederation of Danish Industry

Exhibition

A large exhibition will allow private and public actors to present their adaptation and mitigation technologies and discuss solutions to current and future challenges across sectors.

The conference venue – Bella Center

The conference will be held at the Bella Center, located on the Island of Amager.

For directions, please visit the website at www.ecca2015.eu/general-information



Conference theme

"Integrating climate adaptation action in science, policy, practice, and business"

Different types of sessions have been designed to combine scientific and practical knowledge, policy making processes and business cases.

1. **Knowledge:** sessions presenting and discussing the latest research results
2. **Policy:** background information on European, national, and local adaptation strategies, policy integration and effectiveness
3. **Practice:** dialogues on costs and benefits, strategies, governance, tools, and implementation
4. **Business:** sessions on facilitating public-private partnerships and identifying business opportunities and solutions



Call for proposals and abstracts

For information on the call for proposals and abstracts, please visit www.ecca2015.eu/abstracts



Sessions and keynote speaker highlights

- Frank Jensen, Lord Mayor of Copenhagen
 - Rasmus Helveg Petersen, Minister for Climate, Energy and Building, Denmark
 - Karsten Dybvad, Director General, Danish Industry Confederation (DI)
 - Hans Bruyninckx, Executive Director, European Environment Agency (EEA)
 - Frans Berkhout (Future Earth)
 - Jens Hesselbjerg Christensen (DMI/IPCC)
- ...and many more.

Get inspired by a first selection of sessions:

- High-end climate change: Can we adapt to extreme futures?
- Sustainable urban water management in Europe
- Climate Change Adaptation and Business Opportunities



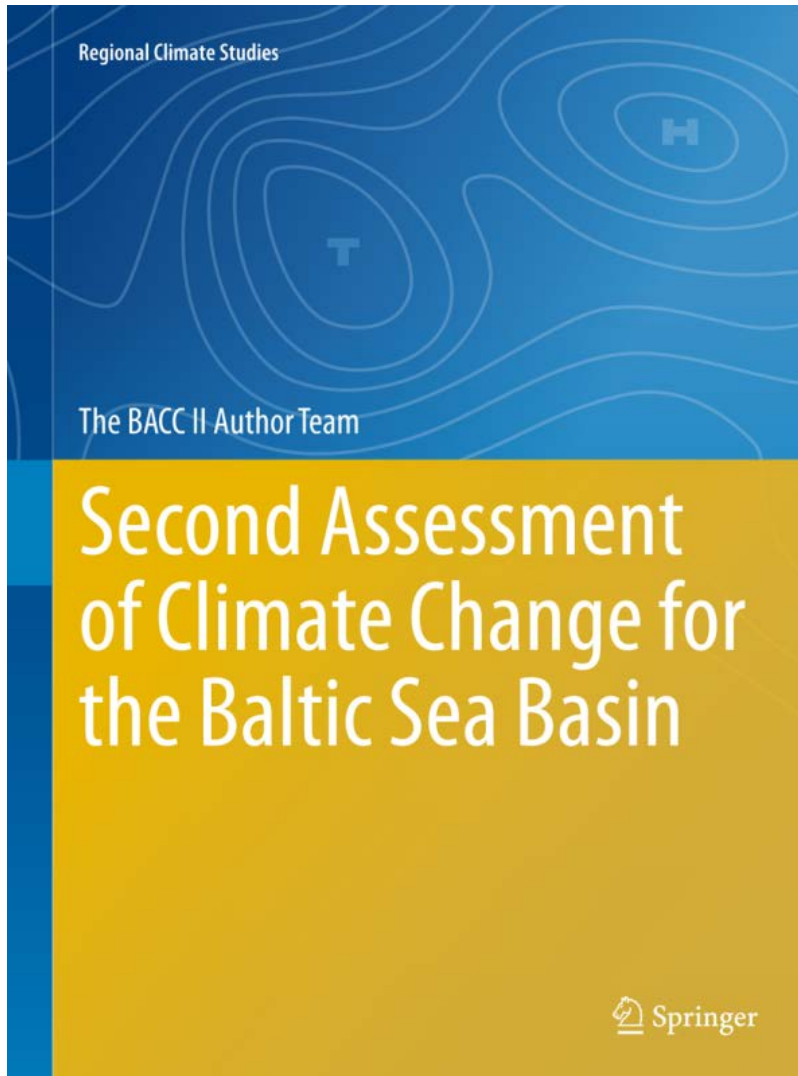
Topics to be addressed

Assessment **Climate-proofing**
Management **Energy** **Investments** **Strategies**
Technology **Planning** **Business** **Mitigation**
Coasts **Agriculture** **Infrastructure** **Health**
Adaptation **Transition**
Development **Cities** **Risk** **Opportunities**
Water **Economics** **Partnership** **Tourism**
Sustainability **Governance**



BACC II Book presentation Event at ECCA, Copenhagen 12-14 May

 Helmholtz-Zentrum
Geesthacht
Centre for Materials and Coastal Research



BACC II Book published 14 May 2014

Event at ECCA 2014 with presentation of the book and podium discussion

Presentation of the book

Flyer distribution



1st Baltic Earth Conference (Inga Dailiniene, Marcus Reckermann, Silke Köppen)



Baltic Earth

Earth System Science for the Baltic Sea Region

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[1st Baltic Earth Conference
Multiple drivers for Earth
system changes in the
Baltic Sea region
Nida, Curonian Spit,
Lithuania
13 - 17 June 2016](#)

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1st Baltic Earth Conference
Nida, Curonian Spit, Lithuania
13-17 June 2016

Multiple drivers for Earth system changes in the Baltic Sea region

Scope and Topics	Organisation and Committees	Location and Venue	Time Line and Registration	Travel and Accommodation	Call for Papers
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Scope

The goal of Baltic Earth is to achieve an improved Earth system understanding of the Baltic Sea region, encompassing processes in the atmosphere, on land and in the sea, as well as processes and impacts related to the anthroposphere. The human impact shall be assessed at all levels, wherever possible and reasonable. Recent research, documented in the BACC II book, has shown that the observed environmental changes are caused by a mixture of interwoven factors, among them climate change and its associated impacts, eutrophication, pollution, fisheries and land cover change. Each of these factors has a scientific and a societal dimension, which are often interdependent, and which makes the identification of a single, or even dominant factor responsible for the change difficult.

The scope of this first Baltic Earth Conference is to attempt to describe the different factors for change, their impacts on the Earth system of the Baltic Sea region, and to demonstrate the capacity to model any of these factors in a single or a coupled approach. Are we able to simulate the observed changes in a realistic way? Are we able to produce credible scenarios for the future? Ultimately, this analysis should help to identify knowledge gaps and research needs for the coming years, to help find solutions for the challenges we face in the future.

Topics



The Baltic Earth Science Plan is organized along specific interdisciplinary research challenges which have been formulated by the Baltic Earth Science Steering Group. Additional topics are treated by dedicated Working Groups. The sessions of this conference will reflect these topics:

- Salinity dynamics in the Baltic Sea
- Land-Sea biogeochemical feedbacks in the Baltic Sea region
- Natural hazards and extreme events in the Baltic Sea region
- Understanding sea level dynamics in the Baltic Sea
- Understanding regional variability of water and energy exchanges
- Regional climate system modeling



1st Baltic Earth Conference



Multiple drivers for Earth system changes in the Baltic Sea region



**Nida, Curonian Spit
Lithuania
13 - 17 June 2016**

First Announcement



1st Baltic Earth Conference (Inga Dailiniene, Marcus Reckermann, Silke Köppen)

Location

The venue and how to get there

The conference takes place in the Cultural Centre Agila in Nida.

Cultural Centre Agila, Taikos g. 4, Neringa, Nida
Curonian Spit, Lithuania

Nida is the administrative centre of Neringa municipality on the Curonian Spit. It is the westernmost point of Lithuania.





1st Baltic Earth Conference (Inga Dailiniene, Marcus Reckermann, Silke Köppen)

**Helmholtz-Zentrum
Geesthacht**
Centre for Materials and Coastal Research

The venue





1st Baltic Earth Conference (Inga Dailiniene, Marcus Reckermann, Silke Köppen)

**Helmholtz-Zentrum
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Centre for Materials and Coastal Research

The Hotel Jurate





Further events of Baltic Earth interest

10th BSSC
15-19 June 2015

10th Baltic Sea Science Congress

WELCOME PROGRAMME ABSTRACTS & GUIDELINES REGISTRATION TRAVEL & ACCOMODATION CONTACTS

Save the dates - Let us celebrate the jubilee together!

Riga, 15 - 19 June 2015

Oral presentation on BACC II

Submission of abstracts is now closed!

After receiving of more than 250 abstracts, the submission is closed now.

Authors will be informed at the end of February.

Information on invited key-note lecturers will follow soon.

Have a 10th BSSC flyer

Second announcement and call for abstracts

10th BSSC 2015 first announcement

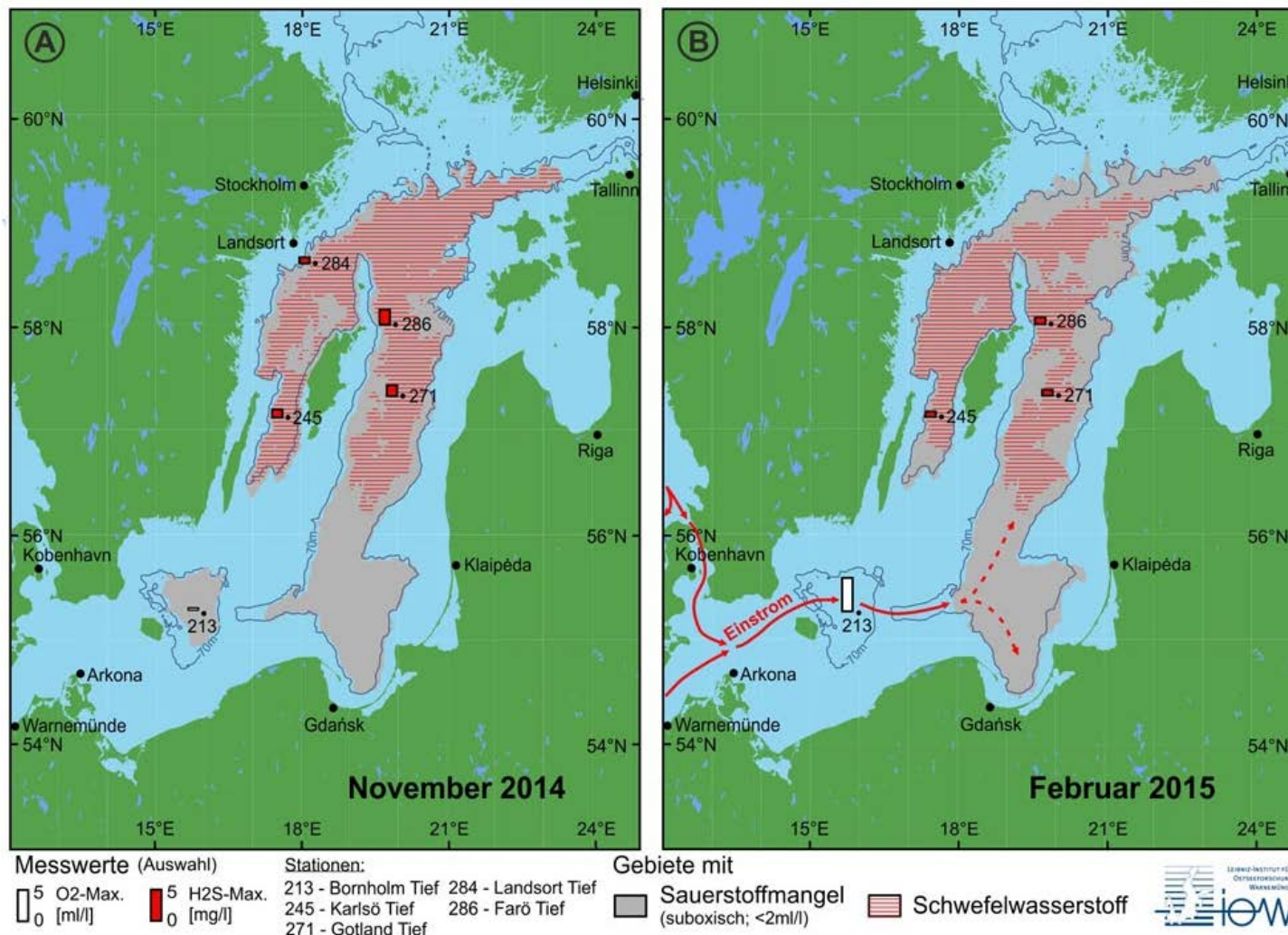
Important dates

- **New! 27 October 2014** - submission of abstracts started
- **20 October 2014** - the second announcement with call for abstracts
- **2 January 2015** – registration open
- **15 January 2015** – abstract submission closed
New abstract submission deadline – 30 January



Further events of Baltic Earth interest

Major Baltic Inflow Dec 2014 – 3rd strongest in recorded history (IOW press release)



**Salt Water Intrusion
Workshop at IOW
Warnemünde**

20 May 2015