



Minutes of the
7th Meeting
of the Baltic Earth
Science Steering Group

held at

**Hotel Jurate
Nida, Lithuania**

12 June 2016

Edited by

Marcus Reckermann

7th Baltic Earth SSG Meeting Minutes



Participants at the 7th Baltic Earth Science Steering Group meeting in Nida:
Inga Dailiniende, Jari Haapala, Sirje Keevallik, Karol Kulinski, Andreas Lehmann, Markus Meier, Kai Myrberg, Anders Omstedt, Irina Partasenok, Piia Post, Marcus Reckermann, Gregor Rehder, Benjamin Smith, Martin Stendel, Hans von Storch, Sergej Zhuravlev, Ralf Weisse, Hans-Jörg Isemer (SAB), Andris Andrusaitis (Observer), Diego Fernandez (ESA, Guest)

Contents

	Page
Introduction.....	4
TOP 1: Organizational Issues	4
1.1. Approval of the agenda.....	4
1.2. Approval of the previous Baltic Earth SSG meeting minutes.....	4
1.3. Review of the previous (#5/6) Baltic Earth SSG meeting action items	4
1.4. Membership issues	4
TOP 2: Potential collaboration and joint Workshop with ESA	5
TOP 3: 1 st Baltic Earth Conference issues.....	5
TOP 4: Past Baltic Earth activities in 2016.....	5
TOP 5. Upcoming Baltic Earth activities in 2016	5
TOP 6: Baltic Earth Science Plan.....	6
TOP 7: Miscellaneous	6
Annex 1: Agenda	8
Annex 2: Participant list	10

Introduction

The 7th Baltic Earth Science Steering Group Meeting was a short half-day meeting and took place prior to the 1st Baltic Earth Conference in Nida, Lithuania.

TOP 1: Organizational Issues

1.1. Approval of the agenda

The agenda for the 7th BESSG meeting (Annex 1) was unanimously approved.

1.2. Approval of the previous Baltic Earth SSG meeting minutes

The minutes of the 6th Baltic Earth SSG meeting were unanimously approved.

1.3. Review of the previous (#5/6) Baltic Earth SSG meeting action items

The following action items of the previous meeting were discussed:

- Collect information on recent and planned activities related to the recent MBIs and pass on to Marcus Reckermann to post it on the website (WG Chairs and members). *Pending*
- Related to international embedment, prepare a typology or inventory of Earth System research organizations and networks which may be relevant for Baltic Earth (Marcus Reckermann, Sergey Zhuravlev). *Pending*
- Draft an Outreach and Communication Plan (WG members for Outreach and Communication) *Pending*
- Background explanatory information of GCs/WGs to Marcus Reckermann to post it on the outreach pages of the Baltic Earth website (to all WGs). *Pending*
- Draft and send out a Memorandum of Understanding (MoU) concerning a voluntary commitment to participation and contributions to Baltic Earth by Baltic Sea region research institutes. *In preparation after the finalization of the Science Plan*

1.4. Membership issues

Following the Baltic Earth conference in Nida, both **Hans von Storch** and **Sirje Keevallik** (by e-mail) declared their retirement from the Baltic Earth SSG. Both had been members of the BALTEX and Baltic Earth Science Steering groups for many years. Hans had joined the BALTEX Steering group in 2005, and became its chair in 2010. Sirje had been a member of the BALTEX Science Steering group from 1997.

Furthermore, it was suggested to ask two renowned scientists to join the Baltic Earth Science Steering group: **Erik Kjellström** from SMHI (Head of Rossby Centre), Sweden, climate modeler, and **Jens Christian Refsgaard** from the Danish Survey of Denmark and Greenland (GEUS), Denmark, hydrologist. This would strengthen the SMHI participation and climate modelling aspect, and also the Danish participation and hydrology aspect (both had been previously been active in BALTEX).

TOP 2: Potential collaboration and joint Workshop with ESA

Diego Fernandez from ESA was present as a guest and gave a presentation about ESA's activities and plans concerning Remote Sensing in the Baltic Sea region and a potential collaboration with scientists from the Baltic Sea. It was proposed and discussed to organize a joint workshop by ESA and Baltic Earth to investigate potential interest in remote sensing applications in the Baltic Sea region. Scope should be to identify gaps in observation which could be filled by remote sensing applications, and in general, what the current challenges for remote sensing applications in the Baltic Sea region are. One challenge could be how to document and study anthropogenic changes in the Baltic Sea region.

The workshop will be organized by ESA and Baltic Earth on 29 and 30 March at the Finnish Meteorological Institute in Helsinki. The workshop is organized around invited oral presentations and discussions. Sessions will be designed around dedicated topics related to the workshop's objectives and an interactive session will be organized around selected posters. Poster authors are required to submit abstracts, 200-250 words, by the 31th January 2017. The official language of the workshop is English, no participation/registration fee will be charged but participants are expected to finance their own travel and accommodation.

TOP 3: 1st Baltic Earth Conference issues

The conference outcomes shall be documented by a. the conference proceedings and presentations (mostly available online); b. by a conference and discussion summary for which session conveners should shortly summarize the main points in their sessions, and by discussion leaders who will lead the short discussions after each session block. The conference outcomes are now available on the aftermath page of the conference website (www.baltic.earth/nida2016/aftermath.html).

A special issue on the conference topic "Multiple drivers for Earth system changes in the Baltic Sea region" will be published in *Earth System Dynamics*. At the time of submission start (1 Sept 2016), 36 contributions were announced by conference authors and other scientists. The submission period ends on 31 Dec 2016.

TOP 4: Past Baltic Earth activities in 2016

- **Second Workshop on the 'Major Baltic Inflow of December 2014', 13 April 2016 at IOPAN, Sopot, Poland** (Markus Meier)
The workshop was attended by about 50 scientists. and new data on the recent inflows were presented. Many research groups contributed to the workshop. A common paper on the recent Baltic inflows is envisaged.
- **International Conference on Regional Climate-CORDEX 2016, 17-20 May 2016, Stockholm, Sweden** (Markus Meier)
Baltic Earth contributed to an informal discussion on "The use of coupled RCMs (also called RCSM or RESM) in CORDEX and specifically in the coming flagship pilot studies". The side event was organized by Samuel Somot (Med-CORDEX) and Markus Meier (Baltic Earth).

TOP 5. Upcoming Baltic Earth activities in 2016

- **3rd Baltic Earth Summer School, 29 Aug - 4 Sep 2016 on Askö, Sweden**
(Markus Meier and Marcus Reckermann)
20 students of all around the Baltic Sea were selected to join the summer school on Askö. Topic of the summer school is “Climate change in the Baltic Sea region”, with an emphasis on the physical side of the past and future changes in climate in the Baltic Sea region. A wrap-up with course material as well short interviews of students and organizers is available at www.baltic.earth/summerschool2016/. It is intended to make this a regular event.
- **Baltic Earth Seminar, 21 Sep 2016 at HafenCity University Hamburg, Germany, on “Exchange processes between the North and Baltic Seas” during the Fehmarn Belt Days 2016**
(Marcus Reckermann)
This interdisciplinary half - day seminar is intended to provide an overview over the current scientific knowledge concerning exchange processes between the North Sea and the Baltic Sea. The event addresses scientists and non-scientific stakeholders from different disciplines, practitioners and other professionals, as well as the general public. A short summary and lectures given at the seminar can be seen at www.baltic.earth/events/FBD2016/.
- **Baltic Earth participation in the Polish-German Seminar, 11-12 Oct 2016 in Hamburg, Germany** (Marcus Reckermann, Hans von Storch)
Since 1976, there has been this traditional bi-lateral meetings between Polish and German scientistst. Baltic Earth is participating for the second time in form of an overview presentation. Among the 25 participants of the meeting are many scientists active in Baltic Earth.
- **Baltic Earth participation in proposed joint BONUS-HELCOM-VASAB-Baltic Earth seminar at the 7th Strategy Forum of the EUSBSR - Vision 2030, 8-9 November 2016 in Stockholm**
(Marcus Reckermann)
Baltic Earth will be represented by Marcus Reckermann in a podium discussion (“Hot Seat/Interview Seminar”): Young people’s views and future options for the Baltic Sea: How will the Baltic Sea change in xx years? The chairs are turned and the Baltic Sea young scientists’ views mirrored against those of key macro-regional actors. Other participants in the panel are Kaisa Kononen (BONUS), Monika Stankiewicz (HELCOM), Talis Linkaits (VASAB) and Kari Hyytiäinen (BONUS BALTICAPP).

TOP 6: Baltic Earth Science Plan

The Science Plan is finalized in a final draft version to be presented to the Baltic Earth community at the 1st Baltic Earth Conference. Comments given by participants at the conference may still be included in the final draft. The Science Plan will then be finalized.

TOP 7: Miscellaneous

7.1 New GC, working groups and proposed members

- Markus Meier to join the WG on Salinity
- Sergey Zhuravlev to join WG Outreach

7.2 BONUS-BalticApp to be affiliated as Baltic Earth project

It was suggested to invite the BalticApp coordinator or a representative to shortly present the project.

7.3 Partnering with Future Earth – Status

Application sent, no further contacts

7.4 Participation in the GEWEX-GHP meeting, 3-5 Oct 2016 in Gif-sur-mer near Paris, France

Baltic Earth will be presented by Anna Rutgersson, Irina Partasenok, Sergey Zhuravlov and Marcus Reckermann at the meeting in Gif. There will be a joint presentation. Prior to the meeting, Baltic Earth will apply for initial RHP status.

7.5 Memorandum of Understanding - Status

The MoU will be finalized as soon as the Baltic Earth Science Plan is finished and published.

7.6 Time and place of 8th Baltic Earth Science Steering Group Meeting

The meeting will take place at the Leibniz Institute for Baltic Sea Research in Warnemünde, 8-10 March 2017.

Draft minutes

Marcus Reckermann, 20 Oct 2016

Markus Meier, 25. Oct 2016

Annex 1: Agenda



**7th Meeting of the
Baltic Earth Science Steering
Group (BESSG)**

12 June 2016

**Nida
Lithuania**

PROVISIONAL AGENDA

(As of 1 June 2016)

The 7th Baltic Earth Science Steering Group Meeting is a short half-day meeting and takes place prior to the 1st Baltic Earth Conference in Nida, Lithuania.

The Baltic Earth Science Plan will be presented in its final yet not printed and formatted version.

- 16:00** **Welcome and Introduction by the Baltic Earth SSG Chairman**
Markus Meier, Leibnitz Institute for Baltic Sea Research Warnemünde, Germany
- 16:05** **TOP 1: Organisational issues**
- 1.1 Approval of the agenda
 - 1.2 Approval of the previous 6th Baltic Earth SSG meeting minutes
 - 1.3 Review of previous 6th Baltic Earth SSG meeting action items
 - 1.4 Membership issues:
 - New 3 year term for members and chairs start as of this meeting
 - Changes
 - New Working Group members
- 16:35** **TOP 2: Potential Collaboration and joint Workshop with ESA**
- Opportunities for collaboration and a joint Workshop with ESA-ESRIN on Baltic Sea region remote sensing
Presentation by Diego Fernandez, ESA
- 17:35** **TOP 3: 1st Baltic Earth Conference issues**
- Organisation and preparation of discussions at the conference

18:05 **Break**

18:15 **TOP 4: Past Baltic Earth activities in 2016**

- 4.1 Second Workshop on the ‘Major Baltic Inflow of December 2014’, 13 April 2016 at IOPAN, Sopot, Poland
Markus Meier
- 4.2 International Conference on Regional Climate-CORDEX 2016, 17-20 May 2016, Stockholm, Sweden
Markus Meier

18:25 **TOP 5: Upcoming Baltic Earth activities in 2016**

- 5.1 3rd Baltic Earth Summer School, 29 Aug - 4 Sep 2016 on Askö, Sweden
Markus Meier and Marcus Reckermann
- 5.2 Baltic Earth Seminar, 21 Sep 2016 at HafenCity University Hamburg, Germany, on “Exchange processes between the North and Baltic Seas” during the Fehmarn Belt Days 2016
Marcus Reckermann
- 5.3 Baltic Earth participation in the Polish-German Seminar, 11-12 Oct 2016 in Hamburg, Germany
Marcus Reckermann, Hans von Storch
- 5.4 Baltic Earth participation in proposed joint BONUS-HELCOM-VASAB-Baltic Earth seminar at the 7th Strategy Forum of the EUSBSR - Vision 2030, 8-9 November 2016 in Stockholm
Marcus Reckermann

19:45 **TOP 6: Baltic Earth Science Plan**

Presentation by Science Plan Writing Team
Markus Meier, Anna Rutgersson, Ben Smith, Marcus Reckermann

19:30 **TOP 7: Miscellaneous Baltic Earth Issues**

- 7.1 New GC, working groups and proposed members
- 7.2 BONUS-BalticApp to be affiliated as Baltic Earth project
- 7.3 Partnering with Future Earth - Status
- 7.4 Participation in the GEWEX-GHP meeting, 3-5 Oct 2016 in Gif-sur-mer near Paris, France
- 7.5 Memorandum of Understanding - Status
- 7.6 Time and place of 8th Baltic Earth Science Steering Group Meeting
Proposed time window: March 2017, Warnemünde, Germany
- 7.7 Miscellaneous

20:00 **End of the meeting**

Annex 2: Participant list

Baltic Earth Science Steering Group (BESSG)

Inga Dailiniende
Jari Haapala
Sirje Keevallik
Karol Kulinski
Andreas Lehmann
Markus Meier
Kai Myrberg
Anders Omstedt
Irina Partasenok
Piia Post
Marcus Reckermann
Gregor Rehder
Benjamin Smith
Martin Stendel
Hans von Storch
Ralf Weisse
Sergej Zhuravlev

Baltic Earth Senior Advisory Board (BESAB)

Hans-Jörg Isemer
Anrid Andrusaitis (observer)

Guest

Diego Fernandez (European Space Agency)