

Minutes of
28th Meeting
of the
BALTEX Science Steering Group

held at

*Marine Systems Institute
at Tallinn University of Technology
Tallinn, Estonia*

5 September 2012

Edited by

Marcus Reckermann and Hans-Jörg Isemer



Participants at the 28th BALTEX Science Steering Group Meeting (BSSG) and members of the Working Group on PostBALTEX (PB), from left to right: Silke Köppen (International BALTEX Secretariat), Andreas Lehmann (BSSG, PB), Kai Myrberg (BSSG), Sirje Keevallik (BSSG), Jüri Elken (BSSG), Anders Omstedt (BSSG), Karol Kuliński (PB), Anna Rutgersson (PB), Hans von Storch (BSSG), Hans-Jörg Isemer (International BALTEX Secretariat), Martin Stendel (BSSG), Franz Berger (BSSG), Valery Vuglinsky (BSSG), Marcus Reckermann (International BALTEX Secretariat). Not on the photo but present at the meeting: Andris Andrusaitis (BSSG).

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Summary of Decisions

DECISION 1: Approval of the report of the BALTEX Working Group on PostBALTEX

DECISION 2: An interims BSSG meeting (BSSG #29), together with the Working Group on PostBALTEX, will take place in Copenhagen on 22 January 2012. Scope of the meeting will be the preparation of the transfer from the old BALTEX to the new programme.

DECISION 3: A new Steering Group for the PostBALTEX programme will be inaugurated at the Öland Conference. The BALTEX programme will be formally terminated at that conference.

Action Items

Action Item 1: Prepare the 2nd Announcement and Call for Papers for the 7th Study Conference on BALTEX on Öland (BSSG Chairs, Secretariat)

Action Item 2: Invite Marie-Jose Gaillard of Linnaeus University Kalmar to the Öland Conference Organising Committee (Secretariat)

Action Item 3: Prepare more BALTEX Phase II Wrap-Up publications (All)

Action Items pending from BSSG #27

Action Item 3: **Sirje Keevallik** to find co-authors and lead the writing process for a publication on the motivations and events leading to the formation of a “pan-baltic” research community, stimulated by BALTEX.

Action Item 4: **Andris Andrusaitis** to explore the possibility for a sythesis report of selected thematically coherent groups of completed BONUS projects, organized by BONUS.

Action Item 5: **Franz Berger** to install and lead a writing team on assessing the state of research in water and energy budgets of the Baltic Sea basin.

List of Appendices

Appendix 1: BSSG #28 Meeting Agenda

Appendix 2: Participants of the meeting

E-Appendices (available at www.baltex-research.eu/ supplementary)

E-Appendix 1: Presentation on the Marine Systems Institute at Tallinn University of Technology by Sirje Keevallik

E-Appendix 2: Report by the Working Group on PostBALTEX concerning the Continuation of BALTEX after 2012

E-Appendix 3: GEWEX GHP - Criteria for RHPs
GEWEX Science Questions
GEWEX Imperatives 2013

Introduction

The 28th meeting of the BALTEX Science Steering Group (BSSG) was held on 5 September 2012 at the Marine Systems Institute at Tallinn University of Technology in Tallinn, Estonia. The meeting was held prior to the BACC II Conference in Tallinn, 6 and 7 September 2012.

The major item on the meeting agenda was the presentation, discussion and approval of the report of the BALTEX Working Group on PostBALTEX. Furthermore, BALTEX wrap-up activities and publications were discussed, as well as options for a smooth transfer of the old BSSG to a new Steering Group.

Sirje Keevallik, Chair of the Oceanography department at Marine Systems Institute of Tallinn University of Technology, welcomed the participants of the meeting and gave a short presentation of the Marine Systems Institute (E-Appendix 1). Anders Omstedt, BSSG co-chair, gave an introduction to the meeting and welcomed the members of the WG on PostBALTEX.

1. Organisational issues

1.1 Approval of the agenda

The agenda for the 28th BSSG meeting (Appendix 1) was approved. Handouts are given in the E-Appendices.

1.2 / 1.3 Approval of the previous BALTEX SSG meeting minutes and action items

The minutes of the 27th BSSG meeting were unanimously approved. Decisions and Action items were revisited: Action items 3-5 are still pending, which relate to the production of BALTEX wrap-up publications and the preparation of the 7th Study Conference on BALTEX.

2. PostBALTEX and related issues

2.1. Discussion of the report by the Working Group on PostBALTEX

The Working Group on PostBALTEX had compiled a report which was presented at the meeting by Anna Ruttgerson, chairperson of the group. The report is available as E-Appendix 2.

The report was taken up positively and vividly discussed. The BSSG thanked the members of the WG on PostBALTEX for their efforts, and the group's engagement for the new programme was greatly acknowledged. The concept of a "Regional Earth System Science" was very much welcomed. It was recommended to strive towards an understanding of present and future change in the region, climatic and non-climatic, including water and energy cycles. A function of the new programme could be to look for science gaps and challenges and to communicate them among the scientific community and stakeholders. This could involve an assessment of research which is currently ongoing, with a subsequent analysis and recommendations for future research.

Open questions still to be resolved concern the format, structure and implementation of the new programme. It was suggested by the authors of the report that the new programme should

have the nature of a network rather than a programme with a fixed science and implementation plan. It should be a lively group constantly assessing information. This was discussed controversially, and there was also the notion that a science plan was needed to define questions and how to answer them. But it will be up to the new steering group to decide on the format and related documentation.

The title “Addressing scientific Grand Challenges in the Baltic Sea region” was critically discussed; a clear scientific message was not apparent from the title. Instead, a more specific reference to the integrating scope would be better, such as “Achieving an Earth System Understanding of the Baltic Sea region” or similar.

It was further commented that syntheses of current research are missing (e.g. for the BONUS+ outcomes), and thus, the new programme would indeed fill a gap. There is a need for networks to give input to future assessments. The idea of a “Baltic Sea Science Academy”, doing assessments including education, was also mentioned.

Institutional support was also considered crucial for the new programme. A continuation of the BALTEX –type conferences, with some adjustments, was also taken up positively but a 4 yr cycle was mostly considered too large. A collision with the 3-yearly Baltic Sea Science Congresses (BSSC) should be avoided.

A new steering group should be installed prior to the conference on Öland (10-14 June 2013), and the new group should be inaugurated there. The nucleus for new group should be the WG on PostBALTEX who drafted the report but it was also suggested that countries nominate candidates. The continuation of the secretariat was considered essential for the success of the new programme; HZG will require an official statement to decide on a further engagement in this respect.

In summary, it was agreed that the vision of the new programme would be to follow the regional Earth system research approach, foster the synthesis of knowledge, bring together communities, and encourage people to participate. The good BALTEX traditions should be continued: BALTEX-style conferences, the inclusion of earth and water cycles research, and the BACC-type approach to assess the currently available knowledge in a specific field.

2.2. Statement of BSSG concerning the report by the WG on PostBALTEX

1. The BSSG welcomes the suggestion made by the PostBALTEX group, and supports the basic ideas:
 - a) A regional Earth System perspective,
 - b) The focus on synthesizing disciplinary knowledge and identifying gaps in existing knowledge (like BACC),
 - c) Continuing and increasing the public/stakeholder communication.
2. The BSSG also suggests:
 - a) A thorough discussion on cooperation with regional research and development programmes (like BONUS) and potential contributions to intergovernmental organisations (like HELCOM and ICES),

- b) That part of the work is embedding the issues on regional water and energy cycles in cooperation with national hydrometeorological services in e.g. a new GEWEX frame, as well as
 - c) Embracing the enlarged focus into Future Earth.
3. Members of a new Steering Group will be proposed by WG on PostBALTEX and BSSG members. The personnel of the new core group should be decided at a special interim joint meeting. The new Steering Group shall be inaugurated at the 7th Study Conference on BALTEX on Öland, Sweden, 10-14 June 2013.
 4. The new Steering Group will continue to further elaborate specifications on the format, function, scientific scope, operation and structure of the new programme.
 5. The BSSG appreciates a continuation of support by the International BALTEX Secretariat.
 6. The BSSG recognizes that energy and water cycles are a major scientific concern. PostBALTEX expresses its interest to remain as GEWEX RHP. Although the programme will have a much broader scientific scope compared to the future GEWEX research questions and imperatives, part of the new programme is expected to satisfy the new GEWEX objectives (see also E-Appendix 3).

2.3. Directions for future actions and for the implementation of PostBALTEX

It was decided that, at the Öland Conference, BALTEX would be officially terminated and PostBALTEX would be launched. The current BSSG remains its mandate until the Öland conference. To warrant a smooth transfer to the new SSG and the smooth launch of the new programme, there will be a joint interim meeting of BSSG and WG on PostBALTEX in Copenhagen on 22 January 2013. Prior to this meeting (in December), BSSG and WG on POSTBALTEX members are asked to suggest potential members for the new steering group. From this list, WG on PostBALTEX and BSSG chairpersons shall select a number of candidates who will be considered for the new steering group.

3. Wrap-up of BALTEX Phase II

3.1. Publications (BSSG)

Status and plans concerning BALTEX wrap-up publications were shortly reviewed.

Envisaged BALTEX Wrap-Up publications (finalized or confirmed ones *in italics*)

- *BACC II (Obj. 2, 4, 5, 6)*
- BONUS Reports/Special publications of
 - *ECOSUPPORT (AMBIO Special Issue) (Obj. 2, 4)*
 - Baltic-C (Obj. 2, 4)
 - AMBER (Obj. 2, 4)
 Possibly BONUS synthesis report of selected thematically coherent groups of completed BONUS projects
- Review paper on the Utility of Regional Climate Models (Markus Meier et al.) (Obj. 2)
- Review paper on Water and Energy Cycles (Obj. 1, 3) (Franz Berger et al.)

- *Review paper titled "BALTEX – An interdisciplinary research network for the Baltic Sea region", M. Reckermann, J. Langner, A. Omstedt, H. von Storch, S. Keevallik, B. Schneider, B. Arheimer, M. Meier, B. Hünicke (2011) Environ. Res. Lett. 6 045205 doi:10.1088/1748-9326/6/4/045205.*
- *Book on "Climate Impacts on the Baltic Sea: From Science to Policy" (Ed.: Reckermann, Brander, MacKenzie, Omstedt), Springer 2012 (Obj. 2, 4, 5, 6).*
- Publication on the early BALTEX and its impacts on research in the former soviet republics (Sirje Keevallik et al.)
- Special Issue on the 7th Study Conference on BALTEX on Öland, Sweden, 10-14 June 2013.

Other relevant publications to be identified (Action all).

3.2. 7th Study Conference on BALTEX

Preparations are on their way and emphasis is on the preparation of the 2nd Announcement and Call for papers, to be printed end of November/Beginning of December (Action Secretariat and Chairs).

BONUS project coordinators should be asked to give a presentation on the finalized BONUS+ projects at a dedicated BONUS session. GEWEX-GHP (GEWEX Hydroclimatology Panel) RHP (Regional Hydroclimate Projects) coordinators should be asked to present their project at the conference; GEWEX or GHP SSC representatives will also be asked to present the new GEWEX/GHP directions. Political organisations around the Baltic Sea (BSSSC and others) should be asked also to cooperate and encourage contributions from their networks (to be investigated). If possible, a representative of the ICSU initiative Future Earth could also be asked to give a presentation about the scope of the programme and the potentials for a PostBALTEX collaboration (in accord with PostBALTEX WG chairs).

It was agreed to ask Marie-Jose Gaillard-Lehmdahl (BACC II lead author) of Linné University Kalmar to join the conference organising committee. She lives on Öland and had offered local support.

Place and time of the next BSSG meeting

The next BSSG meeting (BSSG #29) will take place in Copenhagen on 22 January 2012 in Copenhagen, Denmark, together with the Working Group on PostBALTEX.

The final meeting (BSSG #30) of the BALTEX Science Steering Group will be in conjunction with the 7th Study Conference on Öland, 10-14 June 2013.

Any other business

None.

Some Abbreviations and Acronyms

AMBER	Assessment and Modelling of Baltic Ecosystem Response (a BONUS+ project)
AMBIO	A scientific journal of the human environment
BACC	BALTEX Assessment of Climate Change for the Baltic Sea basin
BALTEX	The Baltic Sea Experiment
Baltic-C	Building predictive capability regarding the Baltic Sea organic/inorganic carbon and oxygen systems (a BONUS+ project)
BONUS	Joint Baltic Sea research and development programme
BSSG	BALTEX Science Steering Group
ECOSUPPORT	Advanced tool for scenarios of the Baltic Sea ECOSystem to SUPPORT decision making (a BONUS+ project)
Future Earth	Research for Global Sustainability – 10 yr Research Initiative by ICSU
GEWEX	Global Energy and Water Cycle Experiment
GHP	GEWEX Hydroclimate Panel
HELCOM	Helsinki Commission for the protection of the Baltic Sea
IBS	International BALTEX Secretariat
ICSU	International Council for Science
ICES	International Council for the Exploration of the Sea
IOW	Institut für Ostseeforschung Warnemünde (Baltic Sea Research Institute)
PostBALTEX	Interims acronym for the BALTEX successor programme
RHP	Regional Hydroclimate Project
SMHI	Swedish Meteorological and Hydrological Institute
SSC	Science Steering Group
WG-PB	BALTEX Working Group on PostBALTEX

Appendix 1: BSSG #28 Meeting Agenda



28th BALTEX SSG Meeting

5 September 2012

Marine Systems Institute
Tallinn University of Technology
Tallinn, Estonia

PROVISIONAL AGENDA AND EXPLANATORY MEMORANDUM (As of 29 August 2012)

This half-day BSSG meeting will be held in conjunction with the BACC II Conference in Tallinn on 6 and 7 September 2012. The meeting will focus on the report by the Working Group on PostBALTEX on possible future directions of the new programme, and on activities for wrapping up BALTEX Phase II. Also, the scientific programme of the 7th Study Conference on BALTEX, to be held on Öland, Sweden on 10-14 June 2013, shall be discussed.

- 14:00** **Welcome by the Host of the Meeting**
Sirje Keevallik, Chair of Oceanography, Marine Systems Institute
Jüri Elken, Director of the Marine Systems Institute at TUT
- 14:05** **Introduction by the BALTEX Science Steering Group Chairmen**
Sirje Keevallik, Anders Omstedt and Hans von Storch
- 14:10** **TOP 1: Organisational issues**
- 1.1 Approval of the agenda
 - 1.2 Approval of the previous BALTEX SSG meeting minutes
 - 1.3 Review of previous BALTEX SSG meeting action items
- 14:30** **TOP 2: PostBALTEX and related issues**
- 2.1 Report by the Working Group on PostBALTEX
 - 2.2 Discussion of the report
 - 2.3 Directions for future actions for the implementation of PostBALTEX
 - 2.4 Positioning towards GEWEX and new GHP criteria
- 16:30** **Health Break**
- 16:45** **TOP 3: Wrap-up activities of BALTEX Phase II**
- 3.1 Overview on BALTEX review publications
 - 3.2 Discussion
 - 3.3 Deadlines and responsibilities
- 17:45** **TOP 4: Scientific programme of the 7th Study Conference on BALTEX**
- 5.1 Structure of the programme and draft session topics
 - 5.2 Discussion
- 18:45** **TOP 5: Place and time of next BSSG meeting**
TOP 6: Any other business
- 19:00** **Closing of the meeting**
- 19:30** **Joint Dinner**

Appendix 2: List of participants

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- No. 1:** Minutes of First Meeting of the BALTEX Science Steering Group held at GKSS Research Centre in Geesthacht, Germany, 16-17 May, 1994. August 1994.
- No. 2:** Baltic Sea Experiment BALTEX – Initial Implementation Plan, 84 pages. March 1995.
- No. 3:** First Study Conference on BALTEX, Visby, Sweden, August 28 – September 1, 1995. Conference Proceedings. Editor: A. Omstedt, SMHI Norrköping, Sweden, 190 pages. August 1995.
- No. 4:** Minutes of Second Meeting of the BALTEX Science Steering Group held at Finnish Institute of Marine Research in Helsinki, Finland, 25-27 January, 1995. October 1995.
- No. 5:** Minutes of Third Meeting of the BALTEX Science Steering Group held at Strand Hotel in Visby, Sweden, September 2, 1995. March 1996.
- No. 6:** BALTEX Radar Research – A Plan for Future Action, 46 pages. October 1996.
- No. 7:** Minutes of Fourth Meeting of the BALTEX Science Steering Group held at Institute of Oceanology PAS in Sopot, Poland, 3-5 June, 1996. February 1997.
- No. 8:** *Hydrological, Oceanic and Atmospheric Experience from BALTEX*. Extended Abstracts of the XXII EGS Assembly, Vienna, Austria, 21-25 April, 1997. Editors: M. Alestalo and H.-J. Isemer, 172 pages. August 1997.
- No. 9:** The Main BALTEX Experiment 1999-2001 – *BRIDGE*. Strategic Plan, 78 pages. October 1997.
- No. 10:** Minutes of Fifth Meeting of the BALTEX Science Steering Group held at Latvian Hydro-meteorological Agency in Riga, Latvia, 14-16 April, 1997. January 1998.
- No. 11:** Second Study Conference on BALTEX, Juliusruh, Island of Rügen, Germany, 25-29 May 1998. Conference Proceedings. Editors: E. Raschke and H.-J. Isemer, 251 pages. May 1998.
- No. 12:** Minutes of 7th Meeting of the BALTEX Science Steering Group held at Hotel Aquamaris in Juliusruh, Island of Rügen, Germany, 26 May 1998. November 1998.
- No. 13:** Minutes of 6th Meeting of the BALTEX Science Steering Group held at Danish Meteorological Institute in Copenhagen, Denmark, 2-4 March 1998. January 1999.
- No. 14:** BALTEX – BASIS Data Report 1998. Editor: Jouko Launiainen, 96 pages. March 1999.
- No. 15:** Minutes of 8th Meeting of the Science Steering Group held at Stockholm University in Stockholm, Sweden, 8-10 December 1998. May 1999
- No. 16:** Minutes of 9th Meeting of the BALTEX Science Steering Group held at Finnish Meteorological Institute in Helsinki, Finland, 19-20 May 1999. July 1999.

- No. 17:** Parameterization of surface fluxes, atmospheric planetary boundary layer and ocean mixed layer turbulence for BRIDGE – What can we learn from field experiments? Editor: Nils Gustafsson. April 2000.
- No. 18:** Minutes of 10th Meeting of the BALTEX Science Steering Group held in Warsaw, Poland, 7-9 February 2000. April 2000.
- No. 19:** BALTEX-BASIS: Final Report, Editors: Jouko Launiainen and Timo Vihma. May 2001.
- No. 20:** Third Study Conference on BALTEX, Mariehamn, Island of Åland, Finland, 2-6 July 2001, Conference Proceedings. Editor: Jens Meywerk, 264 pages. July 2001.
- No. 21:** Minutes of 11th Meeting of the BALTEX Science Steering Group held at Max-Planck-Institute for Meteorology in Hamburg, Germany, 13-14 November 2000. July 2001.
- No. 22:** Minutes of 12th Meeting of the BALTEX Science Steering Group held at Royal Netherlands Meteorological Institute (KNMI), De Bilt, The Netherlands, 12-14 November 2001. April 2002.
- No. 23:** Minutes of 13th Meeting of the BALTEX Science Steering Group held at Estonian Business School (EBS), Centre for Baltic Studies, Tallinn, Estonia, 17-19 June 2002. September 2002.
- No. 24:** The eight BALTIMOS Field Experiments 1998-2001. Field Reports and Examples of Measurements. Editors: Burghard Brümmer, Gerd Müller, David Schröder, Amélie Kirchgäßner, Jouko Launiainen, Timo Vihma. 138 pages. April 2003.
- No. 25:** Minutes of 14th Meeting of the BALTEX Science Steering Group held at Lund University, Department of Physical Geography and Ecosystems Analysis, Lund, Sweden, 18 - 20 November 2002. May 2003.
- No. 26:** CLIWA-NET: BALTEX BRIDGE Cloud Liquid Water Network. Final Report. Editors: Susanne Crewell, Clemens Simmer, Arnout Feijt, Erik van Meijgaard, 53 pages. July 2003.
- No. 27:** Minutes of 15th Meeting of the BALTEX Science Steering Group held at Risø National Laboratory, Wind Energy Department, Roskilde, Denmark, 8 - 10 September 2003. January 2004.
- No. 28:** Science Plan for BALTEX Phase II 2003 – 2012. February 2004, 43 pages.
- No. 29:** Fourth Study Conference on BALTEX, Gudhjem, Bornholm, Denmark, 24 - 28 May 2004, Conference Proceedings. Editor: Hans-Jörg Isemer, 189 pages. May 2004.
- No. 30:** Minutes of 16th Meeting of the BALTEX Science Steering Group held at Gudhjem Bibliotek, Gudhjem, Bornholm, Denmark, 23 May 2004. October 2004.
- No. 31:** BALTEX Phase I 1993-2002 – State of the Art Report. Editors: Daniela Jacob and Anders Omstedt, 181 pages, October 2005.
- No. 32:** Minutes of 17th Meeting of the BALTEX Science Steering Group held at Poznan, Poland, 24 – 26 November 2004. November 2005.
- No. 33:** Minutes of 18th Meeting of the BALTEX Science Steering Group held at Meteorological Observatory Lindenberg – Richard Aßmann Observatory, Germany, 18 – 20 October 2005. February 2006.

- No. 34:** BALTEX Phase II 2003 – 2012 Science Framework and Implementation Strategy, 95 pages. April 2006.
- No. 35:** BALTEX Assessment of Climate Change for the Baltic Sea Basin. Summary. Editors: The BACC lead author group, 26 pages. June 2006.
- No. 36:** Minutes of 19th Meeting of the BALTEX Science Steering Group held at Ågrenska Villan of Göteborg University Sweden, 23 – 24 May 2006. October 2006.
- No. 37:** Minutes of 20th Meeting of the BALTEX Science Steering Group held at St. Petersburg, Russia, 6 – 7 December 2006. March 2007.
- No. 38:** Fifth Study Conference on BALTEX, Kuressaare, Saaremaa, Estonia, 4 - 8 June 2007. Conference Proceedings. Editor: Hans-Jörg Isemer, 209 pages. May 2007.
- No. 39:** Minutes of 21st Meeting of the BALTEX Science Steering Group held at Kuressaare, Saaremaa, Estonia, 3 June 2007. September 2007.
- No. 40:** Minutes of 22nd Meeting of the BALTEX Science Steering Group held at SMHI, Norrköping, Sweden, 23-25 January 2008. May 2008.
- No. 41:** 2nd International Lund RCM Workshop: 21st Challenges in Regional-scale Climate Modelling. Lund University, 4-8 May 2009. Workshop Proceedings. Editors: Burkhardt Rockel, Lars Bärring and Marcus Reckermann. 292 pages, April 2009.
- No. 42:** International Conference on Climate Change – The environmental and socio-economic response in the southern Baltic region. University of Szczecin, 25-28 May 2009. Conference Proceedings. Editors: Andrzej Witkowski, Jan Harff and Hans-Jörg Isemer. 140 pages, May 2009.
- No. 43:** Minutes of 23rd Meeting of the BALTEX Science Steering Group held at Finnish Meteorological Institute, Helsinki, Finland, 12 - 14 January 2009. July 2009.
- No. 44:** BALTEX Phase II 2003 – 2012 Revised Objectives. A Summary Amendment to the BALTEX Phase II Science Framework and Implementation Plan. 23 pages. November 2009.
- No. 45:** Minutes of 24th Meeting of the BALTEX Science Steering Group held at the University of Riga, Riga, Latvia, 16 - 18 November 2009. March 2010.
- No. 46:** Sixth Study Conference on BALTEX, Miedzyzdroje, Wolin, Poland, 14 - 18 June 2010. Conference Proceedings. Editor: Marcus Reckermann and Hans-Jörg Isemer, 182 pages. June 2010.
- No. 47:** Minutes of 25th Meeting of the BALTEX Science Steering Group held at the Hotel Amber Baltic, Międzyzdroje, Poland, 13 June 2010. September 2010.
- No. 48:** SurBACC 2010. A survey of the perspectives of climate scientists concerning climate change and climate science in the Baltic Sea basin. Author: Dennis Bray. 82 pages, October 2010.
- No. 49:** Minutes of 26th Meeting of the BALTEX Science Steering Group held at the University of Gothenburg, Sweden, 24-25 November 2010. March 2011.
- No. 50:** A survey of the perceptions of regional political decision makers concerning climate change and adaptation in the German Baltic Sea region. Authors: Dennis Bray and Grit Martinez. September 2011.

- No. 51:** Minutes of 27th Meeting of the BALTEX Science Steering Group held at the Baltic Sea Research Institute Warnemünde, Germany, 29-30 September 2011. December 2011.
- No. 52:** Minutes of 28th Meeting of the BALTEX Science Steering Group held at the Marine Systems Institute, Tallinn University of Technology, Estonia, 5 September 2012. December 2012.

Copies are available upon request from the International BALTEX Secretariat.