



Perspectives for Outreach and Education in **Baltic Earth**

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Outreach and Education in Baltic Earth



Two new Working Groups in Baltic Earth

Working Group on Outreach and Communication

(Carin Nilsson, Hans von Storch, Marcus Reckermann et al.)
The task of this group will be to initiate and design potential
outreach activities of the new programme. Also the content and
design of the new website and activities in social media shall be in
the hands of this group.

Working Group on Education

(Anders Omstedt, Markus Meier, Marcus Reckermann et al.)
The task of this group will be **to organise educational activities** of the new programme, like Summer Schools etc.



Outreach and Education in Baltic Earth - Definitions



Outreach is an activity of **providing services to populations who might not otherwise have access** to those services.

A key component of outreach is that the **groups providing it are not stationary, but mobile**; in other words they are meeting those in need of outreach services at the locations where those in need are.

In addition to delivering services, outreach has an **educational role**, raising the awareness of existing services.

(Wikipedia)



Outreach and Education in Baltic Earth - Definitions



Communication (from Latin "communis", meaning **to share**) is the activity of conveying information through the **exchange of thoughts**, messages, or information, as by speech, visuals, signals, writing, or behavior. It is the **meaningful exchange of information** between two or a group of persons.

(Wikipedia)



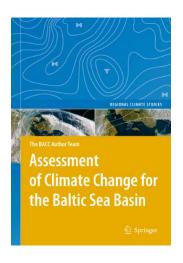


Outreach and communication in BALTEX Phase II

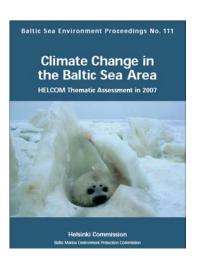
Objective 5:

Strengthened interaction with decision-makers, with emphasis on global change impact assessments

- HELCOM collaboration via BACC; science-policy interface











Outreach and communication in BALTEX Phase II

Objective 5:

Strengthened interaction with decision-makers, with emphasis on global change impact assessments

- BSSSC Conference on Climate Change Adaptation;

science-policy interface

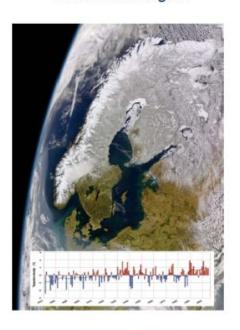
 International Conference for regional policy makers and administrators ("practitioners")



A BSSSC / BALTEX Conference



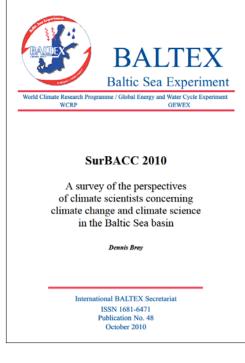
Adapting to Climate Change
Case Studies from the
Baltic Sea Region

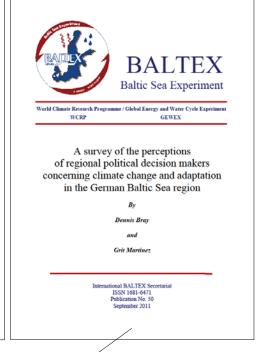


Hamburg Germany 31 May 2011



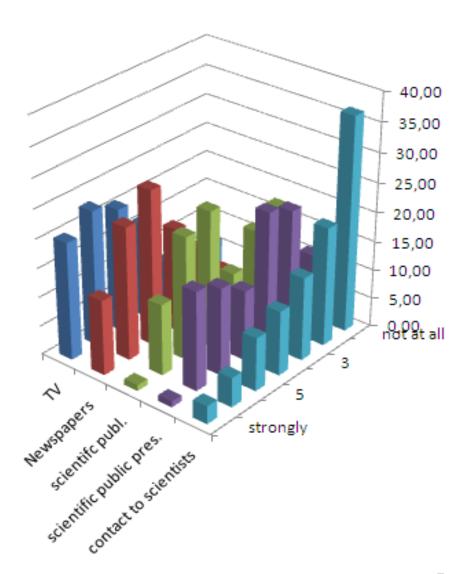






Regional administrators in German Baltic Sea coastal regions:

How strongly do you employ the following sources of information for deciding about issues related to climate adaptation?







Outreach and communication in BALTEX Phase II

Objective 6:

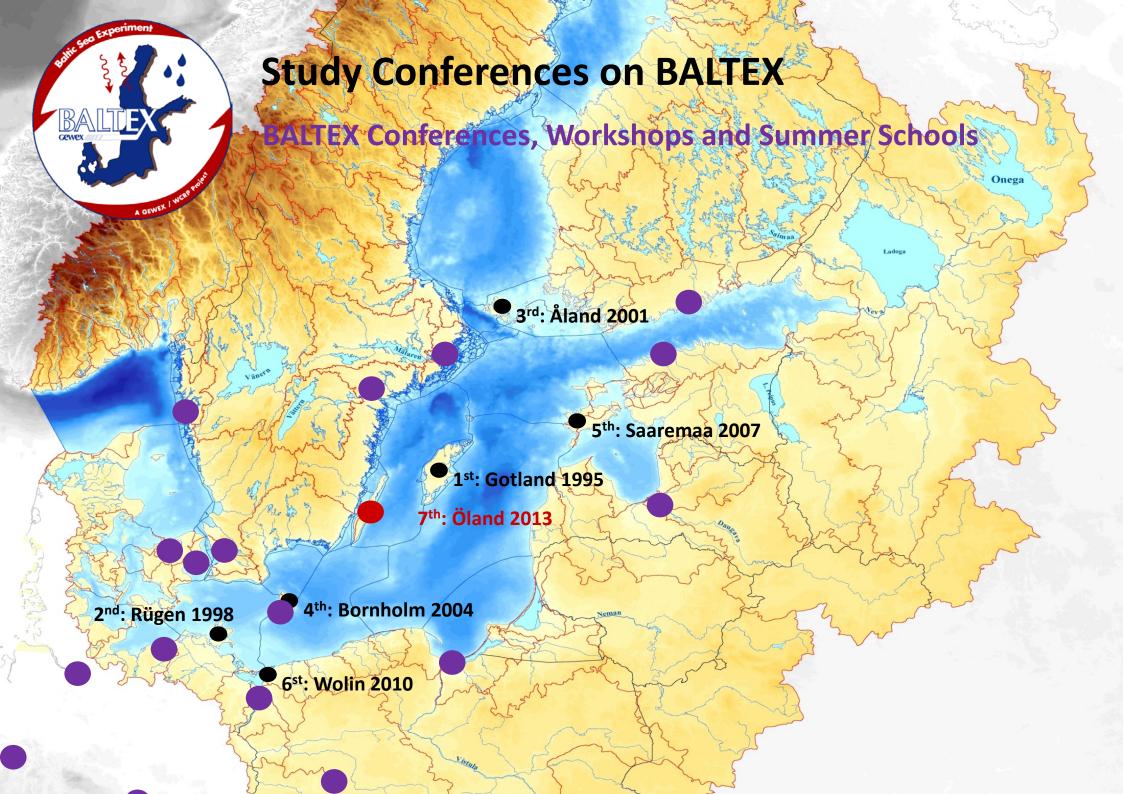
Education and outreach at the international level

Conferences, Workshops and Summer Schools

- For the scientific community
- For the Stakeholder Community
- For Students

Lectures to the public (mainly on BACC results)

Publications for scientists and the public (on BACC results)







Outreach and communication in BALTEX Phase II

Objective 6:

Education and outreach at the international level

- Summer Schools

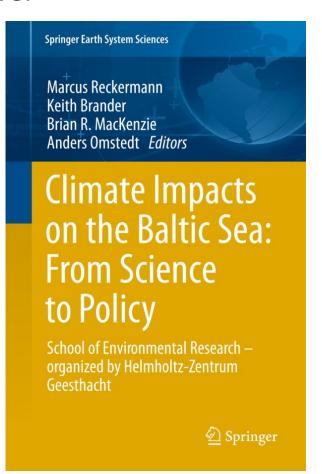
International Summer School on

Climate Impacts on the Baltic Sea - From Science to Policy

27 July – 7 August 2009,

Nexø, Bornholm, Denmark

20 students from Dk, S, Fi, Est, Pl, D







Outreach and communication in BALTEX Phase II

Objective 6:

Education and outreach at the international level

- Publications for the public (on BACC results)
- Summary brochure
 for policy makers and the public
 (in German)
- Lectures to the public (mainly on BACC results)

Ostseeküste im Klimawandel

Ein Handbuch zum Forschungsstand













Communication and Outreach (recommendations from WG on PostBALTEX report)

Study Conferences ... modifications suggested:

- Conferences with one or few specific research foci related to the Grand Challenges
- Few invited lecturers and a larger focus on posters
- More time for open discussions (as part of the continuous process to define new research problems)
- **Invited scientists** to suggest discussion topics
- Interval of Conferences
- Dedicated stakeholder involvement in conferences and discussions, for example having one specific day with stakeholder involvement at a 5-day conference





Communication and Outreach (recommendations from WG on PostBALTEX report)

- Assess ways to communicate with climate services and environmental agencies – though special targeted newletters or policy papers or other types of interactions
- Specific sessions at already existing conferences (EGU, AGU, BSSC etc), focusing on Baltic Earth or related topics as a way to reach out to other relevant scientific communities
- Update/write a communication and outreach plan for the next phase





Communication and Outreach

- Newsletter
- BACC II summary booklet for non-scientists in English and the Baltic Sea riparian languages
- Other outreach print publications for non-scientists
- Online version of a Baltic Earth Climate Atlas
- Baltic Earth Website for Scientists with sections for nonscientists, explaining the science
- Baltic Earth Blogs
- Baltic Earth in social media









Education

- **Summer Schools** and related textbooks
- Network of Baltic Earth Graduate Students
- Materials





Education

Recommendations from a survey with students at a summer school at Askö...

- More time on hands-on exercises and discussions, as well as more specified courses focusing on single modeling approaches
- Modelling in general (Spatial modeling, statistical approaches)
- Climate change and its effects on the Baltic Sea
- Species distribution models in relation to biogeochemical modeling
- Biogeochemical modeling including the carbon cycle, primary production, microbial loop
- Modeling the Baltic Sea social ecological system
- General course on the Baltic Sea ecology
- Practical methods (focus on experiments)

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