



HELCOM Workshop on Baltic Sea region climate change and its implications, 5-6 February 2012, Warnemünde, Germany

Date and time: Opening at 9:00 o'clock on Tuesday **5 February 2013** and close on Wednesday **6 February 2013** at 16:00 o'clock

Meeting location: Leibniz Institute for Baltic Sea Research Warnemünde (IOW), Germany

(Co-)Chair(s): (TBC) and Marcus Reckerman, BALTEX

Background

The HELCOM thematic assessment on climate change 2007 provided the background for the following notions by HELCOM ministers:

- 2007 BSAP: “[We are...] fully aware that climate change will have a significant impact on the Baltic Sea ecosystem requiring even *more stringent actions* in the future” (HELCOM 2007, BSAP)
- 2010 the HELCOM Moscow Ministerial Meeting Declaration: [Agree...] on the need for *supplementary actions* and admit that climate change may have profound consequences both for the environmental status of the Baltic Sea as well as for the scope of the measures adopted by the Contracting Parties until now.

HELCOM is heading towards the HELCOM 2013 Ministerial Meeting. The Baltic Sea Action Plan and especially its nutrient load reduction scheme are under scrutiny and the revision will be finalised for the Ministerial Meeting. The effectiveness of the Baltic Sea Action Plan in general will be in focus of the Ministerial Meeting and this may result in enhancements of the plan and even new measures.

Climate change has so far not been taken into account in setting the actions of the Action Plan. Now, after one of the warmest years in records, it is time to start specifying what the more stringent and supplementary actions associated to climate change could mean.

Objectives

The workshop will bring together climate change scientists focusing on the Baltic Sea region (BALTEX community), Baltic Sea marine environment related experts and managers, as well as HELCOM observers and other relevant stakeholders. The aim is to:

- 1) Share and discuss the latest updates and findings of scientific research on climate change in the Baltic Sea region and its implications on the Baltic Sea ecosystem.
- 2) Consider the implications of the climate change projections on the Baltic Sea ecosystem and HELCOM policies especially related to eutrophication and biodiversity.
- 3) Produce Conclusions of the Workshop to advice HELCOM decision makers on how climate change should be addressed in HELCOM policies.

The workshop will also contribute to the development of the updated HELCOM thematic assessment on climate change in the Baltic Sea which is planned for presentation to the 2013 Ministerial Meeting. The thematic assessment will be developed on the basis of the reviewed material prepared for the BACC II book.

The workshop will discuss in an interactive mode, in small groups, the consequences of current knowledge of climate change projections for the Baltic Sea region on HELCOM Baltic Sea Action Plan and its nutrient reduction scheme review. Discussions will concern three specific themes:

Theme 1. Climate change implications on eutrophication and nutrient loads.

Theme 2. Climate change implications on biodiversity, including fish.

Theme 3. Planning and adaptation, including policy adaptation.

The interactive work of the second day is aimed for producing the Conclusions of the Workshop. They will be used to advice HELCOM decision makers on how climate change should be addressed in HELCOM policies and more specifically the conclusions will serve as input to the HELCOM thematic assessment of climate change that will be delivered to the 2013 HELCOM Ministerial Meeting.

Preliminary Programme of HELCOM Workshop on Baltic Sea region climate change and its implications

Tuesday 5 February 2013		
8:00-9:00	Registration	
Co-Chairs: X, Marcus Reckerman, BALTEX		
9:00-9:05	Welcome by the host	IOW, Germany
9:05-9:15	Opening by the Chair [xxx]	TBC
9:15-9:45	Overview of climate change in the Baltic Sea region based on the upcoming BACCII book	Hans von Storch, Helmholtz-Zentrum Geesthacht, Germany, BACCII/BALTEX
9:45-10:05	"Climate change scenarios for the Baltic Sea region"	Ole Bossing Christensen, Denmark (BALTEX)
10:05-10:30	Coffee break	
10:30-10:50	"Climate change and marine biogeochemistry"	Bernd Schneider, Leibniz Institute for Baltic Sea Research Warnemünde, Germany
10:50-11:10	"Ecosystem implications of projected climate change on the Baltic Sea"	Markku Viitasalo, SYKE, Finland (BALTEX)
11:10-11:30	Impact of climate change on fish and fisheries	Cornelius Hammer, Thünen Institute for Baltic Sea Fisheries, Germany
11:30-11:50	Climate change and nature conservation	NN, Federal Agency for Nature Conservation, BfN, Germany
11:50-12:10	Climate Change and Baltic Sea Action Plan: Consequences for Water Framework Directive implementation	Gerald Schernewski, R. Friedland & Thomas Neumann, IOW, Germany
12:10-13:15	Lunch	
13:15-13:45	"HELCOM Baltic Sea Action Plan in a warmer world"	Marcus Meier, SMHI, Sweden
14:00-14:20	"Impacts of climate change on the BSAP nutrient reduction scheme"	Bo Gustafsson, Baltic Nest Institute, Sweden
14:20-14:40	Implementation of the WFD and climate change	[xxx, TBC]
14:40-15:00	Coffee break	
15:00-16:00	Panel discussion "The Baltic Sea is warming, how should policies on the Baltic Sea marine environment change?"	Moderator: Maria Laamanen Panelists: 2-3 presenters, 1-2 managers/administrators, NGO representative, BaltAdapt representative
16:00	Close of the day	

Wednesday 6 February 2013		
Chair: TBC		
9:00-9:30	[Adaptation of environmental policies as a response to changes in knowledge and public views]	[xx, TBC]
9:30-9:50	Climate change adaptation in the Baltic Sea region	Maxi Nachtigall, BaltAdapt/CBSS
9:50-10:10	[Presentation xx]	[xx]
10:10-10:30	Coffee break	
10:30-10:50	Introduction to the theme-wise group work with the objective to prepare input for the Conclusions of the Workshop regarding: Theme 1. Climate change implications on eutrophication and nutrient loads Theme 2. Climate change implications on biodiversity, including fish Theme 3. Planning and adaptation, including policy adaptation	Chair Theme 1 moderator: TBC Theme 2 moderator: TBC Theme 3 moderator: TBC
10:50-11:30	Moderated group discussion	Moderator: TBC
11:30-12:10	Moderated group discussion	Moderator: TBC
12:10-12:50	Moderated group discussion	Moderator: TBC
12:50-13:50	Lunch (incl. preparation of the Conclusions by Chair and moderators)	
13:50-14:30	Outcomes from the groups	Moderators
14:30-14:45	Presentation of the draft Conclusions of the Workshop	Chair
14:45-16:00	Discussion and finalizing of the Conclusions of the workshop	Chair
16:00	Close of the day	



The workshop is organised in partnership with BALTEX