



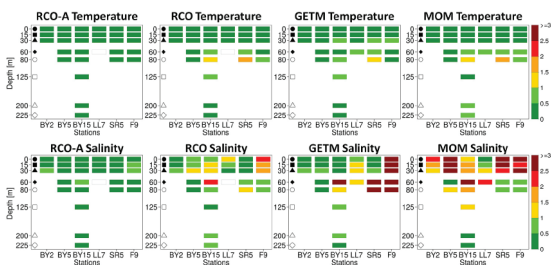
Baltic Earth Workshop on

Climate projections and uncertainties in the northern Baltic Sea region

Finnish Environment Institute
Helsinki, Finland
19-20 November 2019

Co-organized by Finnish Environment Institute,
Helmholtz-Zentrum Geesthacht, Leibniz Institute for Baltic Sea Research
Warnemünde and Stockholm University

Projections of oceanographic and biogeochemical properties of the Baltic Sea under climate change have shown large uncertainties in the northern Baltic Sea and Gulf of Finland, as compared to the southern areas. The models apparently show lower skills in the northern parts of the domain. At this workshop, we invite interested scientists to discuss this problem.



Shown are the models' quality at various monitoring stations from south (BY2) to north (F9), expressed in mean biases divided by the standard deviation of the observations (green=good, red=bad), from Placke et al. 2018, *Frontiers Mar Sci* 5, 287.



SYKE

Helmholtz-Zentrum
Geesthacht

Centre for Materials and Coastal Research



Stockholm
University

Motivation and objectives of the Workshop

Adaptation to climate change is a major challenge. Plausible climate projections are needed to advise management decisions and develop effective mitigation strategies, e.g. to reduce eutrophication.

Users and developers of the most frequently used circulation and biogeochemical models for the Baltic Sea, such as GETM, RCO, MOM, ERGOM, SCOBI, BALTSEM, BFM, SPBEM, ECOSMO and PROBE-Baltic (and others) are invited to discuss the shortcomings in the northern Baltic Sea. We hope and anticipate that this workshop adds to the overall improvement of model development in the northern Baltic Sea region, but also beyond. A joint paper on this topic in AMBIO is envisaged.

Workshop Committee

Harri Kuosa (Finnish Environment Institute)

Kai Myrberg (Finnish Environment Institute)

Markus Meier (Leibniz Institute for Baltic Sea Research Warnemünde)

Bo Gustafsson (University of Stockholm)

Marcus Reckermann (International Baltic Earth Secretariat at Helmholtz-Zentrum Geesthacht)

Call for Posters

Presentations (oral and posters) related to the scope of the workshop are welcome. Abstracts must be submitted by

11 October 2019

Keynote talks will be given by **Markus Meier** (Leibniz Institute for Baltic Sea Research Warnemünde, Rostock, Germany), **Karol Kulinski** (Institute of Oceanology, Polish Academy of Sciences, Sopot, Poland), **Letizia Tedesco** (Finnish Environment Institute, Helsinki, Finland) and **Bo Gustafsson** (Stockholm University, Sweden, and University of Helsinki, Finland).

For more infos on abstract submission, registration and all other aspects of the workshop, see the website below.



baltic.earth/helsinki2019