



**Baltic Earth Workshop on**  
**Multiple drivers**  
**for Earth system changes**  
**in the Baltic Sea region**

**Tallinn University of Technology**  
**Tallinn, Estonia**  
**26-27 November 2018**

Co-organized by Helmholtz-Zentrum Geesthacht,  
Leibniz-Institute for Baltic Sea Research and Tallinn University  
of Technology in collaboration with BONUS, HELCOM and ICES.

The Baltic Sea region is characterized by heavy human induced pressures which include eutrophication, air and water pollution, fisheries, shipping, land cover change, changes in hydrological pathways, acidification and deoxygenation. Regional warming and its associated changes and diverse impacts are all expected to affect the changes, and possibly vice versa.

The environmental changes we see are often caused by a mixture of interwoven factors, natural and man-made. Each of these factors has a scientific and a societal dimension, which are often interdependent, and which makes it difficult to identify a single or even dominant factor responsible for the change.

The workshop intends to bring together experts in the different drivers to discuss achievements and prospects in research on the inter-dependencies between the different natural and man-made drivers, with the aim to assess the state of knowledge and develop strategies to alleviate detrimental effects on the environment.



**ICES**  
**CIEM**

International Council for  
the Exploration of the Sea  
Conseil International pour  
l'Exploration de la Mer



**BONUS**  
SCIENCE FOR A BETTER FUTURE OF THE BALTIC SEA REGION

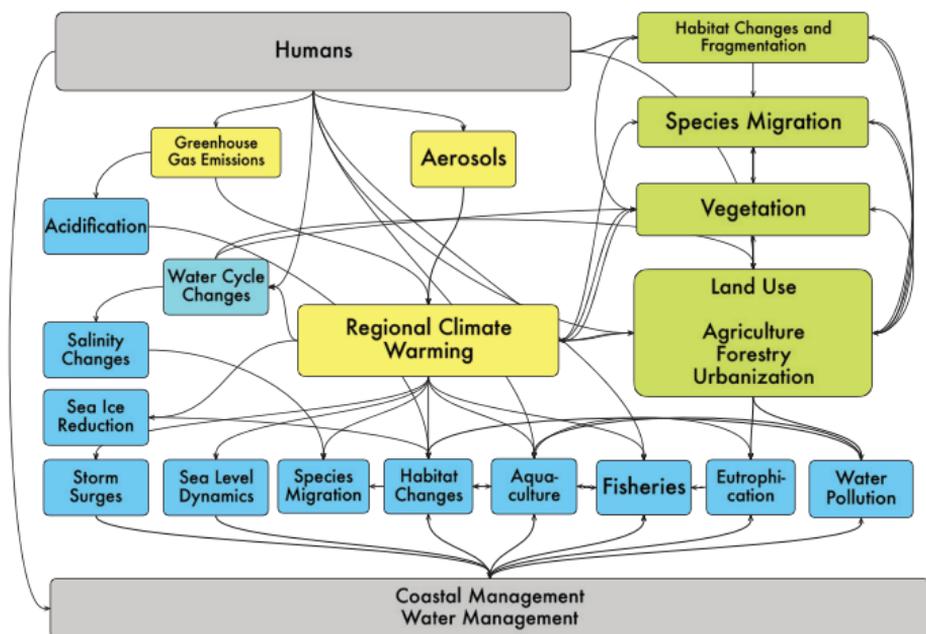


**TAL**  
**TECH**



**Helmholtz-Zentrum**  
**Geesthacht**

Centre for Materials and Coastal Research



## Call for Posters

Poster contributions are invited on the following topics (list not exclusive):

- socio-economic drivers of regional Earth system changes
- air pollution by sea and land sources
- water pollution by ships and rigs
- toxic and detrimental substances in the sea
- dumped chemical ammunition
- microplastics
- underwater noise
- species migration and invasive species
- fisheries and aquaculture
- multiple pressures on marine ecosystems
- changes in land use and land cover
- impacts of food production (agriculture, livestock farming)
- nutrient loads
- wastewater treatments
- river regulation and damming
- coastal processes and management

We would like to focus on interdisciplinary linkages, interrelations and feedbacks between these different drivers, and the changing climate. Contributions which take into account these linkages will be preferred.

**Please send a short poster abstract (up to approx. 250 words) to [balticearth@hzg.de](mailto:balticearth@hzg.de) by 29 October. International renown speakers have been invited for an interesting programme.**

The workshop is organized in collaboration with BONUS, HELCOM and ICES. A tentative goal is to elaborate particular topics for further research.

Registration and Poster Abstract Deadline

**29 October 2018**

[www.baltic.earth/multipledrivers2018](http://www.baltic.earth/multipledrivers2018)