



**Stockholm
University**



Baltic Earth
Earth System Science for the Baltic Sea Region

International advanced PhD course on

**Impact of climate change
on the marine environment
with special focus
on the role of changing extremes**

co-organized by the
“Baltic Ecosystem Adaptive Management” (BEAM) and Baltic
Earth programmes and funded by BEAM



Askö Laboratory, Trosa, Sweden

24 - 30 August 2015

Scope

The course will focus on the impact of climate change on the marine environment, in particular on Baltic Sea hydrodynamics and biogeochemistry - one of BEAM's research areas. However, the other research areas of BEAM will be addressed as well (nutrient enrichment, management, hazardous substances and ecosystem functioning, see topics in the course agenda below). Hence, the marine ecosystem will be studied with the help of a multi-stressor approach taking into account the changing climate, eutrophication, de-oxygenation, acidification, pollution, habitat degradation, invasive species and overfishing.

To address stressors and ecosystem response, a holistic Earth System approach as well as key processes in meteorology, climatology, oceanography, marine and land chemistry and biology will be presented.

The impact of extreme events on the marine environment will be a special focus in this course. The course will investigate recent literature and introduce into time series analysis during tutorials to better understand the variability of the Earth system.

Who organizes the course?

The course is co-organized by the Baltic Ecosystem Adaptive Management (BEAM) program, which is part of the Swedish Government's strategic research areas at Stockholm University, and Baltic Earth.

When is the course?

The course starts on Monday 24 August and ends on Sunday 30 August 2015 in the evening. Travel back will be on Monday 31 August in the morning.

Who is eligible?

The School is open to graduate students and early career researchers in marine sciences and associated fields.

Where is it taking place?

The course will be at Askö Laboratory of the Baltic Sea Centre of Stockholm University, Sweden. Askö Laboratory is situated 80 km south of Stockholm in the Swedish archipelago.

What is being payed for?

Accepted applicants will be payed travel, accomodation, food and course materials.

Application Deadline**30 May 2015**

Find all relevant information at

www.baltic-earth.eu/asko2015