

# Estonian Marine Institute welcomes you to public lecture: *Global change in marine environment: ocean acidification and warming*

6:00-8:00pm • 28 November

Our oceans are changing at an unprecedented rate in response to the growing environmental footprint of the human population. Since the beginning of the Industrial Revolution the ocean has absorbed approximately 30% of CO<sub>2</sub> emissions from anthropogenic sources. As a result surface ocean pH has decreased 0.1 units over the same period and pH is projected to fall a further 0.3-0.4 units by 2100, a process termed Ocean Acidification. Sea surface temperature is also predicted to increase by 0.5 to 1.5°C by the end of the century. These changes are also occurring in the Baltic Sea region and are predicted to significantly impact local marine ecosystems and their associated values. Predicting, understanding and preparing for these changes will be critical in properly managing and marine ecosystems in a changing world.

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## Our speakers: world's leading scientists on this field of research

### Dr Sam Dupont Sweden

Associate professor in marine ecophysiology at the University of Gothenburg, Sweden. His main research topic is on the impact of increased CO<sub>2</sub> and related changes on marine species and ecosystems.

### Dr Piero Calosi Canada

Associate professor in the Université du Québec à Rimouski, Canada. His research focuses on the investigation of invertebrates' ecophysiological and evolutionary responses to multiple global environmental drivers: warming, ocean acidity, salinity changes, hypoxia.

### Dr Christopher Hepburn New Zealand

Director, Aquaculture and Fisheries Degree in the University of Otago, New Zealand. His research interests include the impacts of ocean acidification and other processes on kelp forest ecosystems.

**WHEN:** 6:00–8:00pm • Monday, 28 November 2016

**WHERE:** Hotel Euroopa, Paadi 5, Tallinn  
<http://www.euroopa.ee/>

**REGISTER:** on the link <https://goo.gl/forms/xjqoBq68hEdl4azG2>

**COST:** Event is free!

\*English is the official language of the public lecture.

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