



# Bolin Centre Seminars

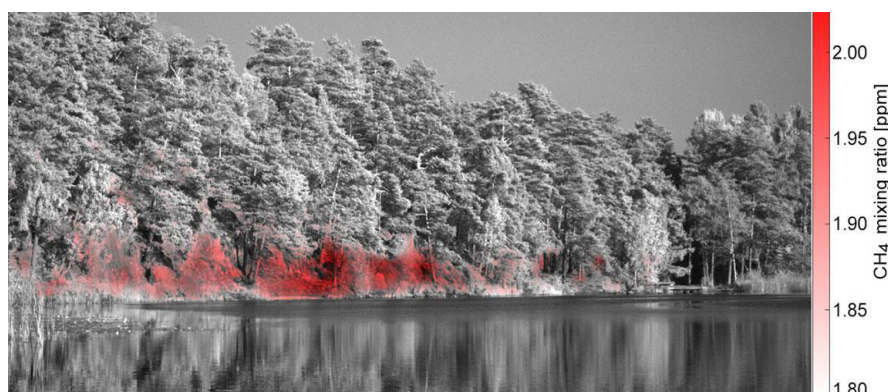
Research Area 4, Bolin Centre Seminar Series 2018

## Greenhouse gas emissions from aquatic environments – how can we approach key challenges?

Greenhouse gas (GHG) emissions from lakes, reservoirs and running water have recently been identified as major components of the land GHG exchange.

The need to better quantify fluxes and understand flux regulation is evident, but fundamental challenges on how to account for spatiotemporal variability and perform robust scaling remain.

In this presentation new approaches based on for example sensor networks and hyperspectral imaging, will be explored as possible ways to address these challenges.



Gålfalk, M., G. Olofsson, P. Crill, and D. Bastviken (2016), Making methane visible, *Nature Clim. Change*, 6(4), 426–430, doi:10.1038/nclimate2877  
<http://www.nature.com/nclimate/journal/v6/n4/abs/nclimate2877.html#supplementary-information>.



**Speaker:** Professor David Bastviken, Department of Thematic Studies: Environmental Change, Linköping University.

**Time:** May 8, 11h15–12h15

**Place:** Högbomsalen, Geoscience Building

\*Lunch sandwich will be served, please e-mail [bolin@su.se](mailto:bolin@su.se) if you would like one.

The lecture will be streamed and you can watch it live here:

<https://connect.sunet.se/bolincentre>. It will also be saved on the Bolin Centre website.