



AARHUS UNIVERSITY
EXTERNAL SEMINAR AND WORKSHOP
DEPARTMENT OF ENVIRONMENTAL SCIENCE
Frederiksborgvej 399, 4000 Roskilde
23 April 2019 10:00 – 15:30

Venue: Aarhus University, Risø Campus, the Pavilion



Title of workshop organized by STAAR (SGA Arctic): *Anthropogenic pollutants in the Arctic environment: transport, fate and levels with special focus on new research topics*

Abstract: Persistent organic pollutants (POPs) transported to the Arctic and accumulating in food webs have been recognized as a problem for environment and health for several decades, and regulatory tools have been established to prevent or reduce the use of POPs. A new challenge on POPs transport, re-emission and environmental fate is represented by the effects of climate changes that are particularly evident in the Arctic environment.

Speaker: Professor Derek Muir, Environment and Climate Change Canada

Title of external lecture: ***New chemicals and climate change: dual threats to Arctic wildlife***

Program:

10:00-10:45: External seminar of Professor Derek Muir

11:00- 12:00: Workshop part I

List of subjects:

- Legacy POPs, transport, levels and trends in abiotic and biotic matrices, e.g. POP time trends in Canada and Greenland
- Emission data and models (need of specific data for modelling?)
- Climate and contaminant interactions

12:00-12:30: Lunch

12:45-15:30: Workshop part II (coffee break included)

- Identification of emerging contaminants: Experiences from in silico-screening, non-target screening, target analyses
- Analytical chemistry: Challenges in determination of legacy and emerging contaminants (e.g. unspecific analyses of legacy POPs, blanks issues for current-use compounds)
- New sampling techniques, e.g. passive sampling of air and water

The structure of the workshop is very informal. The participants are welcome to present their results, research questions, etc. with a short Power Point presentation.

Hosts: Katrin Vorkamp, Senior Scientist, Section for Environmental Chemistry and Toxicology **and Rossana Bossi**, Section for Atmospheric Environment, **Department of Environmental Science, Aarhus University on behalf STAAR (SGA Arctic)**

External Guests interested in attending the presentation should e-mail Department Secretary Christel Ege-Johansen, cej@envs.au.dk