

Network for Arthropods of the Tundra

1st meeting, 15-16 November, 2016

Aarhus Institute of Advanced Studies, Aarhus University

Høegh-Guldbergs Gade 6B, building 1632

Aarhus, Denmark



Tuesday 15 November

- 900 **Coffee and registration**
- 930 **Welcome**
- 940 Deposition of midge carcasses influence long-term plant community responses Claudio Gratton
- 1000 Background invertebrate herbivory in tundra: a pan-Arctic assessment on birch Isabel C Barrio
- 1020 The response of pollen-transport networks to landscape-scale climate variation Christine Urbanowicz
- 1040 **Coffee**
- 1100 Cyanotoxins in lakes of southwestern Greenland and the potential for toxin transfer within an Arctic aquatic food web Jessica Trout-Haney
- 1120 The brown food web contributes disproportionately to carbon and nitrogen cycling in the Arctic Amanda Koltz
- 1140 Disparate responses of plant and arthropod communities to long-term nutrient addition in arctic tundra Ashley Asmus
- 1200 **Lunch**
- 1300 **KEYNOTE:** Moth outbreaks as drivers of ecosystem state changes in the sub-arctic tundra-forest ecotone Jane Uhd Jepsen
- 1400 Reproduction of a spider in arctic-alpine ecosystems increases with temperature rise Nils Hein
- 1420 Environmental drivers of the timing of mosquito emergence and trap abundance at Zackenberg Lauren Culler
- 1440 **Poster flash presentations (3 mins each)**
- How to be a successful invader: Lessons from the lifecycle of an Antarctic midge Jesamine Bartlett
 - A review of Svalbard's non-biting midges (Diptera: Chironomidae) Elisabeth Stur
 - Alpine activity patterns of Carabidae explained by microclimate Niklas Beckers
 - Greenlandic glacier retreat: Resource pulses and their effects on predators, prey, and plants. Ejgil Gravesen
 - Spatial and temporal patterns of adult mosquito abundance in Western Greenland Melissa DeSiervo
 - Gotta catch 'em all! – The pan-Arctic parasitoid hunt Tuomas Kankaanpää
 - The Norwegian Barcode of Life Network (NorBOL) Elisabeth Stur
 - Ecosystem monitoring project on Igloodik Island, Nunavut Marie-Andrée Giroux
 - High Arctic pollinator networks – from visitation patterns to pollinator importance Riikka Kaartinen
 - The use of time-lapse cameras to monitor plant-pollinator interactions in the Arctic Christine Urbanowicz
- 1520 **Coffee and poster session**
- 1600 **Venue closes – dinner on your own**

Wednesday 16 November

- 900 Synchronous seasonal dynamics in composition, richness and turnover of arthropod assemblages across the Arctic Rikke Reisner Hansen
- 920 Soil biodiversity monitoring of microarthropods in the Greenland arctic tundra Paul Henning Krogh
- 940 Temporal change in the spider community at Zackenberg Joe Bowden
- 1000 Longitudinal and inter-annual variation in macroinvertebrate abundance and diversity in streams of varying stability in Northeast Greenland Catherine Docherty
- 1020 **Coffee**
- 1040 Tundra invertebrate community structure along a Subarctic-Arctic gradient Shaun Turney
- 1100 Small and large scale variations in ground-dwelling arthropod assemblages across the Arctic Julien Pétilion
- 1120 Diversity and changes in community composition along climatic gradients in the Arctic Oskar L.P. Hansen
- 1140 How will tundra arthropod communities respond to shrubification and altered hydrology? Toke Thomas Høye
- 1200 **Lunch**
- 1300 KEYNOTE: Terrestrial biodiversity and biogeography in the Antarctic region Peter Convey
- 1400 Planning of 2nd NeAT meeting and election for steering committee
- 1430 **Coffee**
- 1500 Responses of soil invertebrates to recent geothermal heating of Icelandic soils: can we use gradient studies to simulate global warming? Martin Holmstrup
- 1520 Climatically controlled chemical and biological development in a Greenland lake over the past 2000 years Xuhui Dong
- 1540 Producing, sharing, and using entomological data to document hyperdiversity of the changing North Derek Sikes
- 1600 **Meeting wrap up and discussion of future NeAT initiatives**
- 1700 **Venue closes**
- 1800 **Drinks and dinner at Centralværkstedet**

Meeting generously sponsored by:

