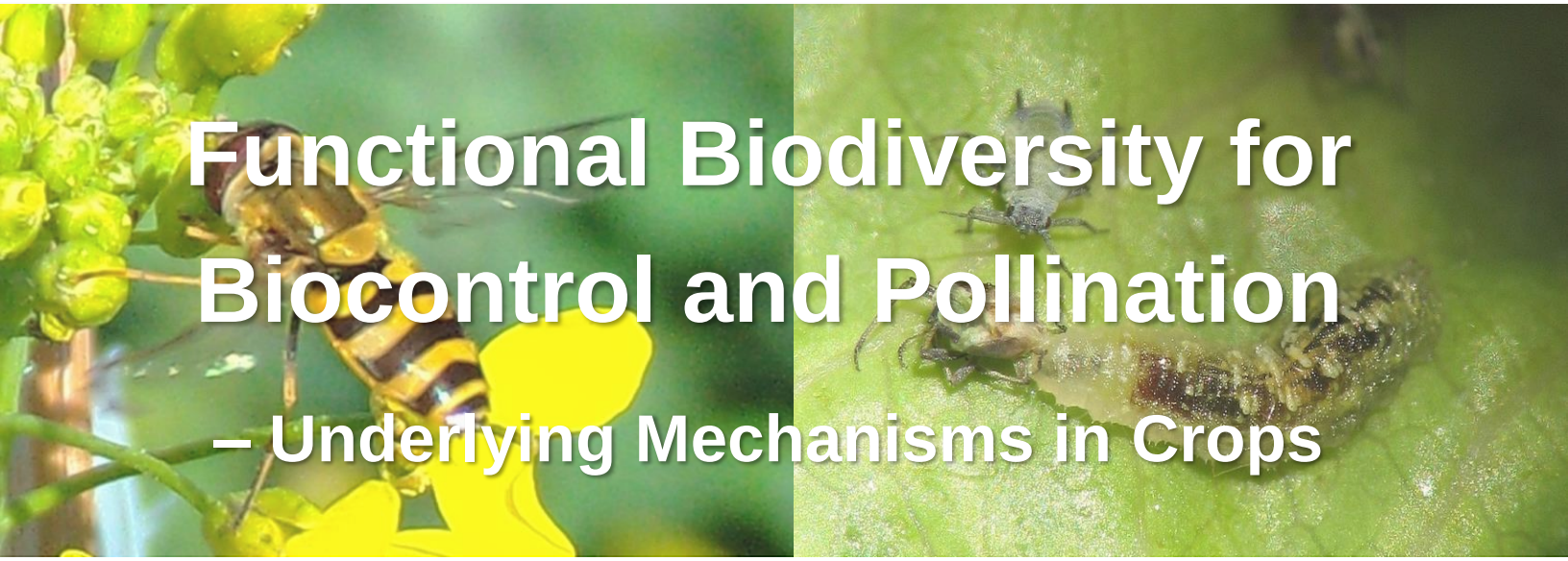

Functional Biodiversity for Biocontrol and Pollination

– Underlying Mechanisms in Crops

Course dates and location: *26-30 August 2019, University of Eastern Finland, Department of Environmental and Biological Sciences, Kuopio, Finland*

Course Series Description

The course is the third course in the NOVA PhD course series "Climate Change Entomology in the North", which focuses on the fundamental and drastic demands in agricultural entomology in the Nordic countries and beyond, caused primarily by climate change.

At an accelerating rate, pollination and biocontrol ecosystems services – vital to our crop production as well as wild flowers and berries – are at risk from climate change due to invading pests, competitors, and diseases; changing phenology of flowering; decline and even forecasted extinction of certain species, etc.

Designing and applying suitable mitigation measures (including regulatory approaches), both now and in the future, will require basic and applied understanding of the mechanisms underlying functional biodiversity and yield loss to crop pests. The objective of the course is to provide each participating student with the knowledge, skills, and competence necessary for addressing these challenges.

For a full course description, please see NOVA University Network website:
https://www.nmbu.no/en/students/nova/students/phd-courses/phd-courses-2019/node/36624

Pedagogical Approach

- problem-oriented learning
- positive feedback and learning within study groups
- hands-on training of key concepts in the lab and in the field

Admission

Admission for NOVA courses is handled by the course organizer, the Swedish University of Agricultural Sciences (SLU). **Apply by sending an email to the course coodinators: Dr. Paul Egan, (paul.egan[at]slu.se) and Dr. Ingeborg Menzler-Hokkanen (ingeborg.menzler-hokkanen[at]uef.fi)**

Course application deadline: July 10, 2019

NOVA UNIVERSITY NETWORK

NOVA PhD course of 3 ECTS

Estimated Workload

- 15 h lectures
- 15 h lab and field work
- 15 h seminars
- 45 h independent work

Teachers

Prof. Emeritus Jarmo Holopainen, University of Eastern Finland
Assoc. Prof. James Blande, University of Eastern Finland
Dr. Paul Egan, Swedish University of Agricultural Sciences, Sweden
Dr. Ingeborg Menzler-Hokkanen, University of Eastern Finland
Prof. Emeritus, Heikki Hokkanen, University of Helsinki, Finland

Prerequisite Knowledge

Basic or advanced courses in applied entomology, environmental sciences, and ecology. MSc students may participate in exceptional cases and upon supervisor endorsement.