

Swedish Oikos Meeting 2025

3-5 February, Swedish Natural History Museum, Stockholm

Scientific Programme

Monday 3 February

15:00 – 16:00	Workshop: SciLifeLab – Planetary Biology	Andromeda room
16:00 – 17:00	Guided tours of museum collections	Museum
17:00 – 20:00	Pre-conference ice breaker – drinks & snacks	Welcome hall

Tuesday 4 February

09:00 – 09:10	Opening address	Stora hörsalen
	Ayco Tack & Agnes Karlsson , Stockholm University, Department of Ecology, Environment & Plant Sciences	

09:10 – 10:00	Keynote lecture #1	Stora hörsalen
	Lenka Kuglerová , Senior Lecturer, Swedish University of Agricultural Sciences (SLU), Umeå, Department of Forest Ecology & Management <i>“Cutting Edge: The role of forestry in riparian and stream ecology”</i>	

Chair: **Caroline Greiser**, Stockholm University,
Department of Physical Geography

10:00 – 10:30	Coffee break	Museum
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10:30 – 12:00	Parallel session #1	
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	Session 1a: Climate change ecology	Stora hörsalen
	Chair: Ayco Tack , Stockholm University, Department of Ecology, Environment & Plant Sciences	

10:30 – 10:45	Lars Hillström , University of Gävle <i>“The timing of winter fur change in the mountain hare in relation to elevation and latitude”</i>	
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10:45 – 11:00	Hana Merchant , Royal Holloway University of London <i>“Extreme arid adaptation in South African mole-rat populations along an environmental gradient”</i>	
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11:00 – 11:15	Theodore Squires , University of Akureyri <i>“Genomic vulnerability of north Atlantic ptarmigan in response to climate change”</i>	
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- 11:15 – 11:30 **Xiao-Ru Wang**, Umeå University
“Landscape of genetic diversity in Scots pine across Eurasia”
- 11:30 – 11:45 **Göran Englund**, Umeå University
*“Why we disagree about the climate impact of forestry
- A quantitative analysis”*
- 11:45 – 12:00 **Caroline Greiser**, Stockholm University
*“Warmer waters - Riparian buffers protect boreal
streams from heating up on clearcuts”*

Session 1b: Conservation ecology

Lilla hörsalen

Chair: **Kristel van Zuijlen**, Swedish Museum of Natural History,
Department of Palaeobiology

- 10:30 – 10:45 **Mette Lillie**, Uppsala University
*“Large scale, low coverage conservation genomics
of the vulnerable Swedish sand lizard”*
- 10:45 – 11:00 **Ellinor Ramberg**, SLU Uppsala
*“Local deadwood abundance and surrounding
landscape composition shape saproxylic beetle
assemblages in burnt forests”*
- 11:00 – 11:15 **Edmond Sacre**, SLU Aqua
*“Identifying priority areas for the expansion of the
Swedish MPA network to conserve connectivity
and vulnerable habitats”*
- 11:15 – 11:30 **Elin Myrenås**, SLU Aqua
“Restocking, the rescue or demise of the European eel?”
- 11:30 – 11:45 **Obsu Hirko Diriba**, Stockholm University
*“The impact of agriculture and agroforestry on
down-stream water quality and biodiversity in
tropical mosaic landscape”*
- 11:45 – 12:00 **Malin Tälle**, SLU Uppsala
“The usefulness of indicator species in conservation”
- 12:00 – 13:30 **Lunch** Museum Bistro

13:30 – 13:40 Introduction to Planetary Biology, SciLifeLab Stora hörsalen
Anders Andersson & Olga Vinnere Pettersson, SciLifeLab,
Planetary Biology Capability

13:40 – 14:40 **Keynote lecture #2** – Planetary Biology Lecture Stora hörsalen
Jonas Hentati Sundberg, Senior Lecturer,
Swedish University of Agricultural Sciences (SLU),
Department of Aquatic Resources
“Sensors and AI for seabird research and monitoring”

Chair: **Anders Andersson**, SciLifeLab,
Planetary Biology Capability

14:40 – 17:45 **Poster Fika** Welcome hall
Posters will be displayed in the welcome hall of the museum,
where presenters will be expected to attend their poster throughout
the session. Posters eligible for the poster price competition should
be marked with a sticker (available at registration desk) and will be
judged by an independent anonymous panel of judges.

19:00 – late **Conference dinner**
Restaurant Proviant, Albano Campus
Albanovägen 24, Stockholm

Wednesday 5 February

09:00 – 10:00 Keynote lecture #3 Stora hörsalen
Anne Bjorkman, Senior Lecturer,
Gothenburg University, Department of Biological & Environmental Sciences
*“Plants and pollinators: what we know from space, time, and
experiments about how the Arctic is changing”*

Chair: **Karl Gotthard**, Stockholm University,
Department of Zoology

10:00 – 10:30 **Coffee break** Museum

10:30 – 12:00 **Parallel session #2**

Session 2a: Biodiversity across time and space Stora hörsalen
Chair: **Matilda Arnell**, Stockholm University, Department of
Ecology, Environment, and Plant Sciences

- 10:30 – 10:45 **Tim Horstkotte**, Umeå University
“15 years of monitoring – can we detect changes in tundra plant communities?”
- 10:45 – 11:00 **Ditte Marie Christiansen**, University of Copenhagen
“Competitive interactions modify the direct effects of climate”
- 11:00 – 11:15 **Olle Lindestad**, Stockholm University
“Invasive lupines in Sweden: limited by climate, or by dispersal?”
- 11:15 – 11:30 **Robert Björk**, Gothenburg University
“Plant abundance drives beta-diversity changes in a warmer Arctic”
- 11:30 – 11:45 **Lukas Rimondini**, Stockholm University
“Responses to extinction drivers vary among specialist plants in Baltic coastal meadows”
- 11:45 – 12:00 **György Barabas**, Linköping University
“Trait-based higher-order interactions and species coexistence”

Session 2b: Microbial diversity & processes

Lilla hörsalen

Chair: **Maria Faticov**, Stockholm University,
Department of Ecology, Environment & Plant Sciences

- 10:30 – 10:45 **Krzysztof Jurdzinski**, KTH Royal Institute of Technology
“Distinct bacterial and protist plankton diversity dynamics uncovered through DNA-based monitoring in the Baltic Sea area”
- 10:45 – 11:00 **Elizabeth Sands**, Umeå University
“Phytoplankton adaptation to a browning light spectrum in the Baltic Sea area - community competition”
- 11:00 – 11:15 **Ruud Rijkers**, Stockholm University
“Carbon cycling below three common plants encroaching the Low Canadian Arctic”
- 11:15 – 11:30 **Cole Brachmann**, Gothenburg University
“Impacts of large herbivores on mycorrhizal fungal communities across the Arctic”
- 11:30 – 11:45 **Stefano Manzoni**, Stockholm University
“How do decomposers face nutrient limitation?”

- 11:45 – 12:00 **Rike Stelkens**, Stockholm University
“The evolution of thermal performance curves in response to rising temperature across the model genus yeast”
- 12:00 – 13:30 **Lunch** Museum Bistro
13:30 – 14:30 **Keynote lecture #4** Stora hörsalen
José Cerca, DDLS Fellow,
Swedish Museum of Natural History
“Ecological Niche dynamics during adaptive radiation on Oceanic Islands”
- Chair: **Irene Bisang**, Swedish Museum of Natural History,
Department of Botany
- 14:30 – 16:00 **Parallel session #3**
- Session 3a: Evolutionary ecology Stora hörsalen
Chair: **Yannick Woudstra**, Stockholm University,
Department of Ecology, Environment & Plant Sciences
- 14:30 – 14:45 **Alex Hart**, Uppsala University
“Adapting fast and slow: The repeatability and molecular basis of plastic and genetic responses to temperature extremes”
- 14:45 – 15:00 **Audrey Bras**, University of Helsinki
“What can museomics reveal on temporal changes of genetic diversity in Finnish butterflies with varying population trends”
- 15:00 – 15:15 **Martina Bovolenta**, Stockholm University
“Local adaptation of life cycle regulation in a range expanding butterfly”
- 15:15 – 15:30 **Martin Lind**, Halmstad University
*“Sex-specific growth and lifespan effects of germline removal in the dioecious nematode *Caenorhabditis remanei*”*
- 15:30 – 15:45 **Suzie Derminon**, SLU
“Time in urban ecology: Effect of urban trajectories on bird and plant population trends”
- 15:45 – 16:00 **Brian Inouye**, Florida State University
“Distributional thinking and the HerbVar project”

Session 3b: Tophic interactions

Lilla hörsalen

Chair: **Francesco Masnadi**, Stockholm University,
Department of Ecology, Environment & Plant Sciences

- 14:30 – 14:45 **Kinlan Jan**, Stockholm University
“Resource competition between small pelagic fish in the central Baltic Sea”
- 14:45 – 15:00 **Peter Hambäck**, Stockholm University
“Community filtering in wetlands: the role of hydrological processes and dry refuges at different spatial scales”
- 15:00 – 15:15 **Lisette van Kolfsooten**, Uppsala University
“Ants protect against fig crop devastation by a community of specialist fig-eating moths”
- 15:15 – 15:30 **Marianne Stoessel**, Stockholm University
“Where do reindeer graze? A study of the interplay between abiotic factors and human presence in the mountain tundra”
- 15:30 – 15:45 **Liyenne Hagenberg**, Umeå University
“Reindeer grazing counterbalances the treeline expansion in the Scandinavian subarctic”
- 15:45 – 16:00 **Håkan Rydin**, Uppsala University
“Pan Svecicus – Linnaeus’s innovative large-scale feeding experiment”

- 16:00 – 17:00 **Keynote lecture #5** Stora hörsalen
Nora Underwood, Professor, Florida State University,
Department of Biological Science
“Climate, calendars and crystal balls: Long-term studies of phenology, climate and abundance in the US and Sweden”

Chair: **Johan Ehrlén**, Stockholm University,
Department of Ecology, Environment & Plant Sciences

- 17:00 – 17:30 **Closing address & Poster competition results** Stora hörsalen
Ayco Tack & Agnes Karlsson Stockholm University,
Department of Ecology, Environment & Plant Sciences