

Swedish Oikos Meeting 2025

3-5 February, Swedish Natural History Museum, Stockholm

Scientific Programme

NB: A map of the museum's premises can be found at the end of this document.

Monday 3 February

15:00 – 16:00	Workshop: SciLifeLab – Planetary Biology	Wickman room
16:00 – 17:00	Guided tours of museum collections	Welcome hall
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 bistro
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10:30 – 12:00	Parallel session #1	
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<u>Session 1a: Climate change ecology</u>		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 **Suzie Derminon**, SLU Uppsala
“Time in urban ecology: Effect of urban trajectories on bird and plant population trends”
- 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 – 14:30 **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

14:30 – 17:45 **Poster Fika** (Floor 5)Exhibition hall H

Chair: **Maria Faticov**, Stockholm University
Posters will be displayed on the fifth floor in Exhibition hall H, currently housing the Research Museum exhibition. Please follow the signs.
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. Coffee, tea and fika will be served in the same hall.

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

Wednesday 5 February

09:00 – 09:10 **Introduction to Nordic Society Oikos Journals** Stora hörsalen
Friederike Gehrman, Managing Editor for Nordic Journal of Botany

09:10 – 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 bistro

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 – 14:20 **Keynote lecture #4** Stora hörsalen
José Cerca, DDLS Fellow,
Swedish Museum of Natural History
“Ecological Niche dynamics during adaptive radiation on Oceanic Islands”
- Chair: **Martin Irestedt**, Swedish Museum of Natural History,
Department of Bioinformatics & Genetics
- 14:20 – 14:30 **Poster competition – winners announcement** Stora hörsalen
Yannick Woudstra, Stockholm University
- 14:30 – 15:00 **Coffee break** (Floor5)Exhibition hall H
A final chance to look at the posters!!!
Please be back in time for the final parallel sessions.
- 15:00 – 16:30 **Parallel session #3**
- Session 3a: Evolutionary ecology Stora hörsalen
Chair: **Yannick Woudstra**, Stockholm University,
Department of Ecology, Environment & Plant Sciences
- 15:00 – 15:15 **Alex Hart**, Uppsala University
“Adapting fast and slow: The repeatability and molecular basis of plastic and genetic responses to temperature extremes”
- 15:15 – 15:30 **Audrey Bras**, University of Helsinki
“What can museomics reveal on temporal changes of genetic diversity in Finnish butterflies with varying population trends”
- 15:30 – 15:45 **Martina Bovolenta**, Stockholm University
“Local adaptation of life cycle regulation in a range expanding butterfly”
- 15:45 – 16:00 **Martin Lind**, Halmstad University
*“Sex-specific growth and lifespan effects of germline removal in the dioecious nematode *Caenorhabditis remanei*”*
- 16:00 – 16:15 **Xiao-Ru Wang**, Umeå University
“Landscape of genetic diversity in Scots pine across Eurasia”
- 16:15 – 16:30 **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

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

- 16:40 – 17:30 **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

- 17:30 – 17:45 **Closing address** Stora hörsalen
Ayco Tack & Agnes Karlsson Stockholm University,
Department of Ecology, Environment & Plant Sciences

Tuesday 5th 14:30 – 17:45

POSTER FIKA

5 Övre plan | Upper level

Utställningar / Exhibitions:

- A** Natur i Sverige / Swedish Nature
- B** Värld av vatten / World of Water
- C** Djuret människan / The Human Animal
- D** Skatter från jordens inre / Treasures from the Earth's Interior
- E** Vegasalen / Vegasalen
- F** Labbet / The Lab
- G** Cosmonova IMAX® med Laser / LaserDome Theatre, utgång samt tillgänglig entré
- H** Tillfällig utställning: Det forskande Museet / Temporary Exhibition; The Research Museum

Tillgänglig hiss
Använder du permobil,
vänligen kontakta personal.
/ Accessible elevator
when using Permobil-
Please, contact staff

Konferensrum / Meetingrooms

Cosmonova
IMAX® with Laser
Domebiograf
Dome Theatre

Tillgänglig entré
Accessible entrance
Cosmonova

Labbet - The Lab
aktivitetsrum-
nrm.se

4 Entréplan | Ground level

Utställningar & Faciliteter / Exhibitions & Facilities:

- A** Fossil & evolution (Dinosaurierna) / Fossils & Evolution (Dinosaurs)
- B** Den mänskliga resan / The Human Journey
- C** Matsäckrum: "Linnérummet" / Picnic area "The Linné room"
- D** Livets mångfald / Diversity of Life
- E** Polartrakterna / Polar Regions
- F** Cosmonova IMAX® kupolbiograf / Dome Theatre
- G** En souvenir för livet / A Souvenir for Life
- H** Uppdrag: Klimat / Mission: Climate Earth

Tillgänglig hiss
Använder du permobil,
vänligen kontakta personal.
/ Accessible elevator
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Monday 3rd 15:00 – 16:00
Wickman Room
Planetary biology workshop

Monday 3rd 17:00 – 20:00
ICE BREAKER

Butik/Shop
Välkomsthallen
Welcoming hall

Domebiograf
Dome Theatre

Passage
with stairs to
Upper Level 5.

3 Nedre plan / Lower level

Faciliteter och utomhusutställning / Facilities and outdoor exhibition:

- A** Restaurang och Kafeteria / Bistro Naturhistoriska
- B** Hörsalar / Auditoriums
- C** Matsäckrum och förvaringskåp / Picnic area and Cloakrooms
- D** Odlas staden - Lorem ipsum / Grow the City: Urban Gardening Exhibition

Parallel sessions B

Hörsalar /
Auditoriums

Restaurang
& Cafeteria

Tillgänglig entré
Accessible entrance

Förvaringskåp | Matsäckrum
Picnic area | Cloakroom

- i** Bemannad information
Information desk
- WC** Toalett
Toilet
- WC** **♿** Tillgänglig toalett
Accessible toilet
- ♿** Tillgänglig entré
Accessible entrance
- ♿** Toalett med skötbord
Toilet with baby care facilities
- 🍴** **👤** Restaurang Bistro Naturhistoriska
Restaurant and café; Bistro Naturhistoriska
- 🍴** Matsäckrum med mikrougn
Picnic area with microwave oven
- 🛍️** Butik
Shop
- 👤** Obemannad garderob och
förvaringskåp
Unattended cloakroom and lockers
- 🪜** Trappa
Stairs
- 🗨️** Konferensrum
Meeting rooms
- 🚗** Hiss
Lift
- 🚗** **P** Barnvagnsparkering
med möjlighet att låsa
Lockable stroller parking
- 🚑** Hjärtstartare
Emergency defibrillator