

MONDAY 11<sup>th</sup> FEBRUARY 2019

12:15-13:00 Auditorium 1  
ECOLOGY IN A CHANGING ENVIRONMENT I

12:15

A. Lippold

*Temporal trends of persistent organic pollutants in Barents Sea polar bear (Ursus maritimus) in relation to changes in feeding habits and body condition*

12:24

K. M. Mathisen

*Moose patch-scale browse selection of pine in relation to wolf presence in Scandinavia – do tri-trophic cascades exist in anthropogenically altered landscapes?*

12:33

S. Perrin

*Changes in species associations with climate change*

12:42

K. Rydgren

*A bird's-eye view for bryophytes when building nests: selected choices or random picking?*

12:51

A. Keck

*Recolonization and succession of a subtidal hard-bottom epibenthic community in Smeerenburgfjorden, NW Svalbard*

12:15-13:00 Auditorium 2  
ECOLOGICAL INTERACTIONS I

12:15

M. Petit Bon

*Ecosystem nitrogen responses to simulated spring goose disturbance and summer warming in three high-Arctic plant communities*

12:24

S. J. Hegland

*The ecological effects of red deer herbivory in boreal forest: long-term studies at Svanøy, Western Norway*

12:33

K. M. Bender

*Increased vascular plant growth leads to a larger microbiota and an altered microbial food web in high-Arctic peatlands*

12:42

T. Birkemoe

*Insect-fungi interactions in dead wood – what do we know and where to go next?*

12:51

K. van Zuijlen

*How mat-forming lichens affect microclimate and decomposition in an alpine ecosystem*

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14:45-15:30 Auditorium 1  
ECOLOGY IN A CHANGING ENVIRONMENT II

14:45

L. Cadahía

*Breeding phenology of a pied flycatcher population in southern Norway – and how we can make this knowledge useful for policy*

14:54

L. F. Eriksen

*Climatic forcing and individual heterogeneity in Willow ptarmigan*

15:03

F. Marolla

*Biotic and abiotic drivers of ptarmigan population dynamics in Svalbard*

15:12

R. E. Roos

*Recovery of soil micro-arthropod communities after cessation of experimental environmental change*

15:21

A. K. Larsen

*Atlantic cod in warming waters: Resistance against and tolerance towards infections are affected by water temperature*

14:45-15:30 Auditorium 2

METHODS AND CONCEPTS

14:45

B. van der Veen

*Uncertainty and Maximum likelihood when fitting a Latent Variable Model with Correspondence Analysis*

14:54

C. Coste

*Using multitrait matrices to analyze the effects of trade-offs on individual fitness*

15:03

A. H. Halbritter

*The handbook for standardised field measurements in terrestrial global change experiments*

15:12

E. Simmonds

*Cue identification in phenology: how good are our statistical tools?*

15:21

A. P. Tamayo

*Brain volume variation in four morphs of Arctic char (*Salvelinus alpinus* L.) in Lake Tinnsjøen*

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16:00-17:30 Auditorium 1

ECOLOGICAL INTERACTIONS II

16:00

L. Oksanen

*Global distribution of ecosystems suitable for extensive grazing: causes and spatial patterns*

16:09

Y. Ransedokken

*Soil carbon in boreal forest under European beech and Norway spruce*

16:18

A. M. Lee

*Spatial covariation of competing species in a fluctuating environment*

16:27

S. Våge

*Trade-offs modify ecosystem biomass structure along trophic gradients*

16:36

M. A. Mörsdorf

*Decades of release from sheep grazing render no changes in local plant species richness, but a significant species turnover within regions of different species pool size*

16:45

R. M. Jacobsen

*Experimental exclusion of invertebrates influences saprotrophic fungal community and wood decay rate in the field*

16:54

R. Blaalid

*Urban bees and resource use – changes in resource use within season and indications of resource partitioning between wild and domesticated pollinators*

17:03

E. M. Rainer

*The microbial methane filter: reducing CH<sub>4</sub> emissions in High Arctic peatland soils*

17:12

E. J. Cooper

*The role of snow in plant-soil ecosystems on Svalbard*

17:21

E. Soininen

*Biome-wide patterns and drivers of Arctic herbivores functional and phylogenetic diversity*

16:00-17:30 Auditorium 2

CONSERVATION AND MANAGEMENT I

16:00

C. A. Runge

*Mapping tourist interactions with nature in the Arctic inside and outside protected areas*

16:09

L. Tingstad

*Red List updates and dynamics of red-listed species over time – effects on site selection based on occurrences of red-listed species*

16:18

E. Rinde

*On time to include a seascape and ecological engineering approach when building structures into the sea?*

16:27

O. R. Vetaas

*Wild reindeer population dynamics in Hardangervidda National Park*

16:36

M. Jokerud

*What happens in a mire after restoration?*

16:45

A. Frainer

*Assessing ecosystem functioning when standard biological assessments fail to detect change*

16:54

G. Rusch

*Forest condition indicators and management practices define sustainability standards: A case study of the Native Forest Law in Argentina*

17:03

S. Wehn

*How to ensure flower resources for pollinators by appropriate management practices in species rich hay meadows*

17:12

C. Nater

*Impacts of fishing and hydropower production on brown trout in Norway – Lessons from size-structured population models*

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17:45-18:30 Auditorium 1

ECOLOGY IN A CHANGING ENVIRONMENT III

17:45

T. R. Haaland

*Life-history shapes vulnerability to changes in the frequency and intensity of extreme weather events*

17:54

D. P. Rijal

*Tracking the past using the present: does sedimentary ancient DNA capture the dominant vegetation growing around a lake?*

18:03

K. E. Lorberau

*An analysis of what ecological shortfalls paleoecological data is most suited to address: the case of ancient DNA of plants*

18:12

S. Budaev

*Understanding decision-making from the animal perspective: The case for complex integrative models*

18:21

J. Fredricson

*Spatial scaling in population synchrony and life history strategy in marine fish*

17:45-18:30 Auditorium 2

CONSERVATION AND MANAGEMENT II

17:45

D. Alonso

*Understanding perceptions of Nature based Solutions (NbS) in Lima and Bogota*

17:54

S. C. Schneider

*Effects of flow regime on benthic algae and macroinvertebrates - a comparison between regulated and unregulated rivers*

18:03

P. Amundsen

*Long-term ecological effects of a biological invasion in a subarctic watercourse*

18:12

P. Arneberg

*Estimating insect community biomass changes by using uncorrected data from traps – how you may get it all wrong*

18:21

J. L. Ray

*eDNA as a tool for fisheries stock assessments and ecosystem management*

TUESDAY 12<sup>th</sup> FEBRUARY 2019

10:25-11:10 Auditorium 1

THEMATIC TALKS I

10:25

M.J. Grainger

*Closing the knowing-doing gap – a workflow for knowledge provision*

10:34

J. H. Halleraker

*Bridging ecology-science with decision making - despite different understanding of the science-policy interface*

10:43

J. Töpper

*Assessing ecological state by combining plant community data with Ellenberg and Grime indicator Values*

10:52

O. Skarpaas

*Urban biodiversity: measurement and modelling challenges for a policy-relevant ecology*

11:01

D. Ehrich

*Ecosystem drivers and adaptive management of a critically endangered arctic fox population*

14:00-15:15 Auditorium 1

THEMATIC TALKS II

14:00

E. B. Nilsen

*Biodiversity informatics in ecological sciences: current, past and future*

14:09

S. Henriksen

*Norsk rødliste for naturtyper*

14:18

T. K. Petersen

*Land cover determines richness of threatened and alien species in an urban municipality*

14:27

Y. Liu

*The research-management nexus: Fashioning research projects to meet multiple publics*

14:36

I. S. Holand

*Havet blir til mens du ror: Hvordan kunnskap og kartdata skaper kystsoneplanene*

14:45

A. Nielsen

*Is the Norwegian pollinator strategy policy-relevant?*

15:03

I.M. Tombre

*Adaptive management of increasing goose populations; the European framework*