

Nordic Reindeer Husbandry Conference 2025

Reindeer Husbandry in an unpredictable future

12.-14. February 2025, Scandic Hotel Alta

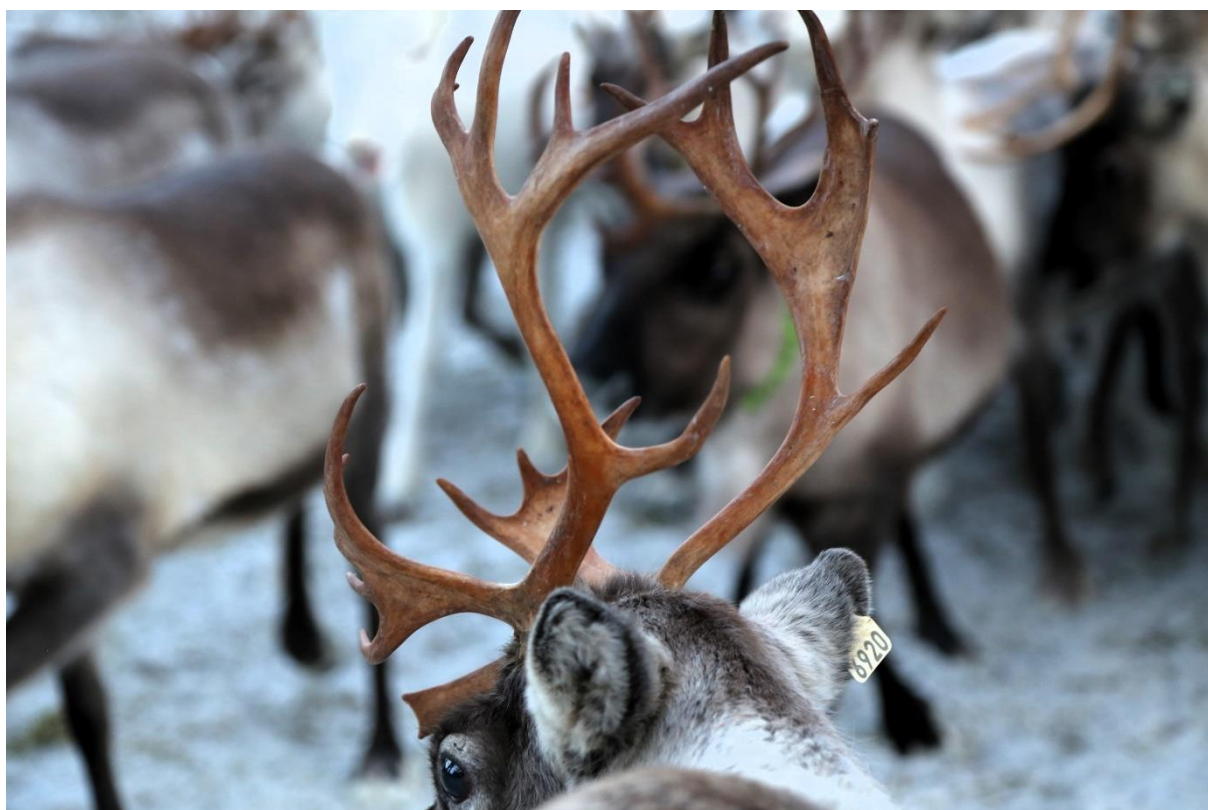


Foto: Ingebjørg Nymo, NVI

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Reindriften's utviklingsfond

Nordic Reindeer Husbandry Conference 2025

Where: Scandic Hotel Alta, Løkkeveien 61, 9509 Alta, Norway. Tel. +47 78482700

<https://www.scandichotels.no>

Date: 12.-14.02.2024

Format: Two lunch-to-lunch parts.

- Part one – Science is directed at researchers and held in English only. Open to all.
- Part two – Users is directed at reindeer herders, administration, researchers. Open to all.
With interpreters (Norwegian/Swedish, Finnish, Nord Samisk).

Organizing committee

Erlend Winje (NIBIO) - Organizing coordinator

Jo Jorem Aarseth (NIBIO)

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Juha Kantanen (LUKE, Finland)

Reindeer husbandry in an unpredictable future

Climate change, increasing land use pressures on the use of land, challenges and necessary adaptation are factors that lead to uncertainty for reindeer husbandry in the future.

In collaboration with [NKJ](#) (The Nordic Joint Committee for Agricultural and Food Research) and [RUF](#) (Reindriftens utviklingsfond), [NIBIO](#) (Norwegian Institute of Bioeconomy) invites to the Nordic Reindeer Husbandry Conference at Scandic Hotel Alta, 12th – 14th February 2025. The main topics of the conference are climate change and challenges of current and future land use.

The conference will be divided into two parts:

Part 1 (12th – 13th February) is mainly for researchers and is held in English but is also open to others. Part 2 (13th – 14th February) targets reindeer herders, administration/management and researchers, but others with an interest in reindeer husbandry can participate. Translation will be provided.

Reindrift i en uforutsigbar tid

Klimaendringer, økende press på bruken av arealene samt utfordringer med tilpasninger er flere faktorer som fører til usikkerhet for reindriften fremover.

I samarbeid med [NKJ](#) (The Nordic Joint Committee for Agricultural and Food Research) og [RUF](#) (Reindriftens utviklingsfond), inviterer [NIBIO](#) (Norsk institutt for bioøkonomi) til nordisk reindriftskonferanse på Scandic Hotel Alta 12. – 14. februar 2025. Hovedtemaene på konferansen vil være klimaendringer og utfordringer knyttet til dagens og fremtidens arealbruk.

Konferansen vil bli todelt:

Del 1 (12. – 13. februar) er i hovedsak for forskere og avholdes på engelsk, men er åpen også for andre. Del 2 (13. – 14. februar) har i hovedsak reindriftsutøvere, forvaltning og forskere som målgruppe, men også her kan andre som har interesse for reindrift delta.

Boazodoallu dán eahpediehttevaš áiggis

Dálkkádatrivdan, eanet ahte eanet sisabahkkemat mat váikkuhit areálageavaheapmái ja hástalusat heivehemiin leat dakkár áššit mat boazodollui das duohko ain dagahit eahpesihkarvuoda.

NIBIO (Norsk institutt for bioøkonomi) bovde ovttaš [NKJ](#):in (The Nordic Joint Committee for Agricultural and Food Research) ja [RUF](#):in (Boazodoalu ovdánahttinforandain) boazodoallokonferánsii Scandic Hotellii Áltái guovvamánu 12.–14. beaivvi 2025. Konferánsa váldofáttat leat dálkkádatrivdamat ja dálá ja boahpteáiggi areálageavaheami hástalusat. Loga eambo dán birra dáppe prográmmas.

Konferánsa lea guovtti oasis. Vuosttaš oasis (guovvamánu 12.–13. beaivvi) lea vuosttažettiin oavvilduvvon dutkiide ja lea eanjalasgillii, muhto dát lea rabas maid earáide. Nuppi oasis (guovvamánu 13.–14. beaivvi) ulbmiljoavku leat vuosttažettiin boazodoallit, hálddašeaddjit ja dutkit, muhto lea maid vejolaš earáide geain lea beroštupmi boazodollui searvat.

Program Nordic Reindeer Husbandry Conference

Start	End	Part 1, Wednesday, 12 th February 2025	Duration
12:30	13:00	Arrival & registration	00:30
13:00	14:00	Lunch	01:00
14:00	14:10	Welcome and house rules	00:10
		Reindeer health & welfare I (Omazic)	01:35
14:10	14:45	Nymo: First detection of a cervidpoxvirus in Europe – disease occurrence in Norwegian and Swedish semi-domesticated Eurasian tundra reindeer (<i>Rangifer tarandus tarandus</i>)	00:35
14:45	15:00	Wallin Philippot: Poxviruses in semi-domesticated reindeer in Sweden	00:15
15:00	15:15	Malmström: Pestivirus demonstration and characterization from semi-domesticated Eurasian tundra reindeer (<i>Rangifer tarandus tarandus</i>) in Norway	00:15
15:15	15:30	Davidson: Mitigating brainworm (<i>Elaphostrongylus rangiferi</i>) infections in a warming climate	00:15
15:30	15:45	Bull-Aurbakken: Gastrointestinal parasite quantities in soil from reindeer feeding sites and evaluation of recovery efficiency in different soil types	00:15
15:45	16:00	Coffee	00:15
		Reindeer health & welfare II (Nymo)	02:00
16:00	16:30	Laaksonen: Vector-borne parasitic diseases emerged in Finnish reindeer - a review of Finnish studies of Filarioid nematodes	00:30
16:30	16:45	Byrne: <i>Setaria tundra</i> : a climate sensitive parasite in reindeer (<i>Rangifer tarandus tarandus</i>)	00:15
16:45	17:00	Våge: Is Chronic Wasting Disease (Rávžanvihki/oaivevuorri, CWD) a challenge for reindeer husbandry?	00:15
17:00	17:15	Holmen: Chronic wasting disease threatens Fennoscandian reindeer – How will breeding for CWD-resilience affect genetic variation and fitness	00:15
17:15	17:30	Itkonen: Post-mortem examinations and diagnoses of reindeer in Finland from years 2020-2024	00:15
17:30	17:45	Forsman: The effect of reindeer winter feeding diet and methods on the gut microbiota community	00:15
17:45	18:00	Summary for Tarandus event	00:15
19:00		Dinner	

Program Nordic Reindeer Husbandry Conference

Start	End	Part 1, Thursday, 13 th February 2025	Duration
		Climate change (Rasmus & Pekkarinen)	01:30
08:30	08:45	Rasmus: Emerging new summers in the northern Fennoscandia.	00:15
08:45	09:00	Duris: Sámi reindeer pastoralist system facing climate change: Effect of weather, pasture, insect harassment and maternal conditions on production with herders practicing individual marking.	00:15
09:00	09:15	Pekkarinen: Extreme winter conditions may lead to a collapse of reindeer husbandry economy – Results of a bioeconomic analysis.	00:15
09:15	09:30	Kumpula: Exceptionally difficult winter 2019-2020 - Factors affecting the extent of losses experienced in the reindeer herding in Finland	00:15
09:30	09:45	Horstkotte: Tales that really matter: Tracing causalities of weather and climate impacts on pastoral landscapes through a storyline approach.	00:15
09:45	10:00	Heatta: Co-designing an observation system to monitor climate change impacts on Sámi Reindeer Herding husbandry.	00:15
10:00	10:15	Coffee	00:15
		Cumulative impact (Skarin, Jokinen, Wagner)	01:30
10:15	10:45	Niebuhr: How do impacts accumulate? Increasing impacts of industrial activity and infrastructure on reindeer living in a fast-paced changing Arctic.	00:30
10:45	11:00	Jokinen: Assessing the cumulative impacts of wind energy projects on reindeer husbandry – towards comprehensive planning and agreement.	00:15
11:00	11:15	Cronvall: Advancing Ground Lichen Assessment: New Methods for Estimating Lichen Cover and Biomass.	00:15
11:15	11:30	Zielosko: Soil Carbon Storage of the Northern Fennoscandian tundra is not linked to decades of differential land use by reindeer husbandry.	00:15
11:30	11:45	Berthelot: Can't take the heat? Warmer temperature speeds up seasonal decline in plant nutrient concentrations in the tundra	00:15
11:45	12:00	Summary & feedback for Part 1 (All)	00:15

Program Nordic Reindeer Husbandry Conference

Start	End	Part 2, Thursday, 13 th February 2025	Duration
12:30	13:00	Registration	
13:00	14:00	Lunch	01:00
14:00	14:10	Welcome	00:10
		Land use conflicts (Jokinen & Wagner)	01:25
14:10	14:30	Skarin & Sandström: Cumulative impacts of mine and wind industry on reindeer and reindeer husbandry.	00:20
14:30	14:45	Hansen Buljo: A reindeer owner's experiences with land seizures in the grazing area.	00:15
14:45	15:00	Luoma & Hast: Winds of change in natural resource governance: Wind power and reindeer husbandry building new means for reconciliation in Northern Finland	00:15
15:00	15:15	Eilertsen: Proposal for a revised methodology for impact assessments in reindeer husbandry areas.	00:15
15:15	15:35	Panel discussion with presenters and audience	00:20
15:35	16:15	Poster session & coffee	00:40
		Herders, pastures & regulation (Hast)	01:30
16:15	16:30	Øye Bjørddal & Risvoll: Supplementary feeding of reindeer - the role of experience-based knowledge and knowledge exchange.	00:15
16:30	16:45	Rautiainen: Effects of winter-feeding on reindeer's future ability to utilize natural pastures	00:15
16:45	17:00	Joona: What is the position of the Sami people in Finland's reindeer husbandry?	00:15
17:00	17:15	Rautio: Wellbeing of young Sami reindeer herders	00:15
17:15	17:30	Kujala: A Herder's view on predators	00:15
17:30	17:45	Risvoll: Combining local knowledge and wildlife cameras to enhance the knowledge base regarding large carnivores in the Salten region in Nordland, northern Norway	00:15
19:00		Dinner	

Program Nordic Reindeer Husbandry Conference

Start	End	Part 2, Friday, 14 th February 2025	Duration
		Climate change & adaptations (Rasmus, Pekkarinen & Eilertsen)	02:00
08:30	08:40	Rasmus: Opening and background	00:10
08:40	09:00	Rasmus & Pekkarinen: Examples and discussion of citizen science tools and local knowledge platforms	00:20
09:00	09:15	Persen: Climate change adaptations in reindeer husbandry in Norway	00:15
09:15	09:30	Discussion on suggested climate change adaptations in reindeer husbandry	00:15
09:30	09:45	Skum & Kaddik: How can we adapt to climate change and navigate in new conditions? – Climate Challenges and Practical Solutions in Gran reindeer herding community	00:15
09:45	10:00	Heatta: Co-designing an observation system to monitor climate change impacts on Sámi Reindeer Herding husbandry	00:15
10:00	10:30	Panel discussion with presenters and audience	00:30
10:30	11:00	Coffee	00:30
		Open topics (Rautiainen)	02:00
11:00	11:13	Mørk: The Norwegian Reindeer Health Advisory Service	00:13
11:13	11:26	Wallin Philippot & Nymo: Poxviruses in semi-domesticated reindeer in Sweden and Norway.	00:13
11:26	11:39	Våge: Is CWD a challenge for Reindeer Herding husbandry?	00:13
11:39	11:52	Adler: Lichen Indicator Maps (1980 and 2020): Enhancing Understanding of Reindeer Landscape Use and Supporting Restoration Planning	00:13
11:52	12:05	Bråthen: The increase of crowberries undermines reindeer pasture quality and current management in the Norwegian tundra	00:13
12:05	12:18	Sant'Ana: Reindeer as data. Tracking movement and (un)greening the effects of wind power development	00:13
12:18	12:31	Ukkola: The validity of economic viability as a description of reindeer herding	00:13
12:31	12:50	Mangi & Rokka: A herder's perspective on participation in science projects	00:19
12:50	13:00	Summary, feedback and farewell	00:10
13:00	14:00	Lunch	01:00

Posters Nordic Reindeer Husbandry Conference

First Author	Poster title
Aspenström Sarah	Sustainability Perspectives on the Forestry and Reindeer husbandry conflict.
Bates Tarsh & Hauri-Downing Susan	“There’s no future in ice”: Lichen, Reindeer, Olfaction and Environmental Change
Bureau Nicolas	Sami Perceptions of Ecological Changes - a project under construction
Kynkäänniemi Sanna-Mari & Mattila Niina	Circular economy – additional income for reindeer herding?
Muuttoranta Kirsi	Animal Welfare at Reindeer Slaughter: Enhancing Training through Virtual Reality incl. VR stand
Pekkarinen Antti-Juhani	Using the Public Participation GIS system (PPGIS) to share information on the effects of climate change and land use on reindeer husbandry.
Sauvala Mikaela	Microbial quality of hunted moose (<i>Alces alces</i>) and white-tailed deer (<i>Odocoileus virginianus</i>) carcasses in Finland
Skarin Anna	Winter feeding of reindeer - effects on reindeer behaviour, herding practices and the environment
Strömgren My	EQUIP – Is reindeer husbandry equipped to handle the perfect storm?
Wagner Gabriela	Drones in reindeer husbandry
Ødmann Andrea	New reindeer herd and a windfarm: a coincidence for adaptation through increased herding activity or crisis?