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## **TARANDUS 3<sup>rd</sup> workshop: *Reindeer in changing environments - pressures and threats of infectious diseases***

**When:** Lunch to lunch workshop, 13-14 September 2022

**Where:** Arctic Centre, Rovaniemi, Auditorium Polarium and Sieriporo reindeer farm

<b>Tuesday 13 September</b>		
<b>Time (CET)</b>	<b>Detail</b>	<b>Speaker</b>
<b>08.30-09.00</b>	<b>Registration in Arktikum Entrance Hall, Rovaniemi</b>	
09.00-12.30	Excursion Sieriporo Reindeer Farm, including coffee and lunch (bus transport from Arktikum leaves at 9:00 am, distance 15 kilometer, approximately 20 min drive)	
13.00	Welcome and TARANDUS project's news	Anna Omazic, SVA, Sweden
13.10	Infectious diseases in reindeer	Sauli Laaksonen, University of Helsinki, Finland
13.40	Microbial agents associated with infectious keratoconjunctivitis in Swedish reindeer	Karin Wallin Philippot, SVA/SLU, Sweden
14.00	Virus infections under the radar – a NGS analysis	Javier Sanchez Romano, UiT, Norway
14.20	Wintertime pharmacokinetics of intravenously and orally administered meloxicam in semi-domesticated reindeer ( <i>Rangifer tarandus tarandus</i> )	Hanna Nurmi, University of Helsinki, Finland



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14.40	<b>Discussion</b>	<b>Facilitator:</b> Ingebjørg Nymo, Norwegian Veterinary Institute, Norway
14.55	<i>Coffee break</i>	
15.30	Reindeer parasites: the present between the past and the future	Antti Oksanen, Finnish Food Authority, Finland
16.00	The deer ked and reindeer in Finland and experiences of reindeer herding	Sanna-Mari Kynkäänniemi, University of Oulu, Finland
16.20	Intestinal nematodes in Norwegian wild reindeer	Kjersti Utaaker, Nord University, Norway
16.40	<b>Discussion</b>	<b>Facilitator:</b> Sauli Laaksonen, University of Helsinki, Finland
16.55	<b>End of day 1</b>	
19.00	<i>Dinner at ARKTIKUM CAFÉ</i>	

<b>Wednesday 14 September</b>		
<b>Time (CET)</b>	<b>Detail</b>	<b>Speaker</b>
08.30	Welcome to day 2!	Juha Kantanen, Luke, Finland
08.35	Investigation of a disease outbreak with extremely high mortality and morbidity in Norwegian semi-domesticated reindeer	Ingebjørg Nymo, Norwegian Veterinary Institute, Norway
08.55	The Norwegian Reindeer Health Advisory Service	Ingebjørg Nymo, Norwegian Veterinary Institute, Norway
09.05	Modelling freedom from and transmission of chronic wasting disease in Swedish and Norwegian reindeer herds	Jerome Baron, SVA, Sweden
09.25	The effect of reindeer winterfeeding on reindeer weight, blood values, and calves' weights	Laura Post, Lapland University of Applied Sciences, Finland
09.45	The effects of reindeer winter feeding methods on the gut microbiota community	Jukka Forsman, Natural Resources Institute Finland (Luke), Finland
10.05	<b>Discussion</b>	<b>Facilitator:</b> Anna Omazic, SVA, Sweden
10.20	<i>Coffee break</i>	



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10.55	Governance and adaptation challenges in northwest Eurasian pastoral systems	Bruce Forbes, Arctic Centre, University of Lapland, Finland
11.25	Climate change increases the risk of facing difficult winters in reindeer herding	Jouko Kumpula, Natural Resources Institute Finland (Luke), Finland
11.45	Winter condition variability decreases the economic sustainability of reindeer husbandry	Antti Pekkarinen, Natural Resources Institute Finland (Luke), Finland
12.05	Non-migratory Eurasian reindeer foraging ecology in a changing climate: stable isotopes and GPS-collars provide insights at different temporal and spatial scales	Tamara Hiltunen, Ecology and Genetics Research Unit, University of Oulu, Finland
12.25	<b>Discussion</b>	<b>Facilitator:</b> Juha Kantanen, Luke, Finland
12.40	Information about next WS in TARANDUS network	Morten Tryland, UiT, Norway
12.50	<i>Lunch at ARKTIKUM CAFÉ</i>	
14.00	TARANDUS Board meeting/TARANDUS PhD meeting	
15.00	<i>Meeting closed</i>	