



Aspects on Reindeer Herding and on their Important Infectious Diseases

Welcome to a Research seminar arranged by the Graduate School for Veterinary Medicine and Animal Sciences (GS-VMAS)

Date: September 24, 2018, 13.00-16.00

Location: Ratatosk, VHC, Uppsala

Reindeer is the most important species in the north concerning animal production, environment, social, cultural and economic aspects and more. There is around 2 milj semi-domesticated reindeer (*Rangifer tarandus*) during the winter in Scandinavia and Russia. However, reindeer is in many aspects a neglected species. Today, reindeer herding has to face problems concerning conflicting interest of land use (e.g. forestry, mining, infrastructure, tourism) increasing populations of predators and from climate change. One effect of climate change is more problems with infectious diseases, new diseases may show up and changed epidemiology of already existing diseases may be seen. In the One Health focused NordForsk CLINF -project "Climate change effects on the epidemiology of infectious diseases and the impacts on northern societies" www.clinf.org, reindeer is a central species and all speakers below are participating in this project. With this seminar we aim to increase the interest for and spread knowledge on reindeer and especially their infectious diseases, to students, teachers and researchers on all levels.

13.00 – 13.15 Welcome and introduction to the NordForsk CLINF project, Ann Albihn SVA/SLU.

13.15 – 13.35 On important disease problems on wild and semi-domesticated reindeer in Norway and Iceland. Morten Tryland, University of Tromsø (UiT), Norway.

13.35 – 13.55 On reindeer infectious diseases. Nataly Pavelko, Federal Research Centre of Virology and Microbiology (FRCVM), Volginskii, Russia.

13.55 – 14.10 Field work from Eastern Siberia - sampling of reindeer in Yakutia for the CLINF-project. Juha Kantanen, Natural Resources Institute (LUKE), Finland

14.10 – 14.30 Coffee break

14.30 – 14.50 On outbreak and control of anthrax in Yamal. Alexander Malogolovkin, FRCVM.

14.50 – 15.10 CLINF-studies on climate sensitive infectious diseases – retrospective data collection and NGS-analyses of samples from reindeer. Anna Omazic, SVA.

15.10 – 15.30 Sequencing of Reindeer (*Rangifer tarandus*) Genomes: Insights into Evolution, Domestication and Adaptations. Juha Kantanen, LUKE.

15.30 – 15.50 On Social aspects on reindeer disease problems. Camilla Risvoll Nordland Research Institute, Norway.

15.50 – 16.00 Questions and sum up.

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Last date for application: September 19, 2018