

Project information

Keywords

land use changes, infrastructure, reindeer, productivity

Project title

Productivity effects in reindeer from changes in human land use – improving snow and vegetation map layers to facilitate sustainable land use

Year

2018

Project leader

Audun Stien

Geographical localization of the research project in decimal degrees (max 5 per project, ex. 70,662°N and 23,707°E)

Northern Norway (69 degrees N, 23 degrees E)

Participants

Kari Anne Bråthen, UiTø

Jonathan E. Colman, NMBU

John Fryxell and Rebecca Viejou , University of Guelph, Canada

Glen Liston, University of Colorado, USA

m.fl.

Flagship

MIKON

Funding Source

Fram Centre flagship MIKON and NFR

Summary of Results

The funding from MIKON was used according to plan to finance the field work of ph.d. student Rebecca Viejou with assistants in Norway in 2018. They did plant quality and quantity measurements in a range of reindeer herding districts in Norway to supplement available data from the literature. The data will be processed and used in publications in the ph.d. thesis to be submitted in 2019. In addition the funding from MIKON was used cover the hours used by Glen Liston in his work on generating daily snow maps for Finnmark for the period 1958-2018, using the snow models used by him. This product will become available to the project and other users in first part of 2019.

Master and PhD-students involved in the project

1 ph.d. student from Canada, Rebecca Viejou.

For the Management

It is an early phase of the project and results of interest for management will be delivered in 2019.

Published Results/Planned Publications

Several publications are planned. Concrete titles will come in 2019.

Communicated Results

The results are not reached a stage suitable for communication.

Interdisciplinary Cooperation

The project is dominated by ecologists, but the results will be presented and discussed with reindeer herders from focal reindeer herding units, and this interaction will be reported in association with the presentation of the results.

Budget in accordance to results

Field work costs for R Viejou - 120 000,-

Snow model work by G. Liston - 200 000,-

Could results from the project be subject for any commercial utilization

No

Conclusions

The project has done what was planned in 2018.