

Project information

Keywords

Outreach, Climate change

Project title

TUNDRA schoolnet - Extended

Year

2016

Project leader

Ingrid Jensvoll

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

70°22'13"N 031°06'25"E, 70°04'24"N 029°44'57"E, 70°07'05"N 29°19'58"E, 70°10'19,430"N 28°33'22,986"E

Participants

UiT – Arctic university of Norway: Ingrid Jensvoll (ingrid.jensvoll@uit.no), Dr Dorothee Ehrich (dorothee.ehrich@uit.no), Dr Siw Killengreen (siw.killengreen@uit.no).

Norwegian Institute for Nature Research: Dr Jane Jepsen (jane.jepsen@nina.no)

Digital designer: Arnie van Kerwel

Flagship

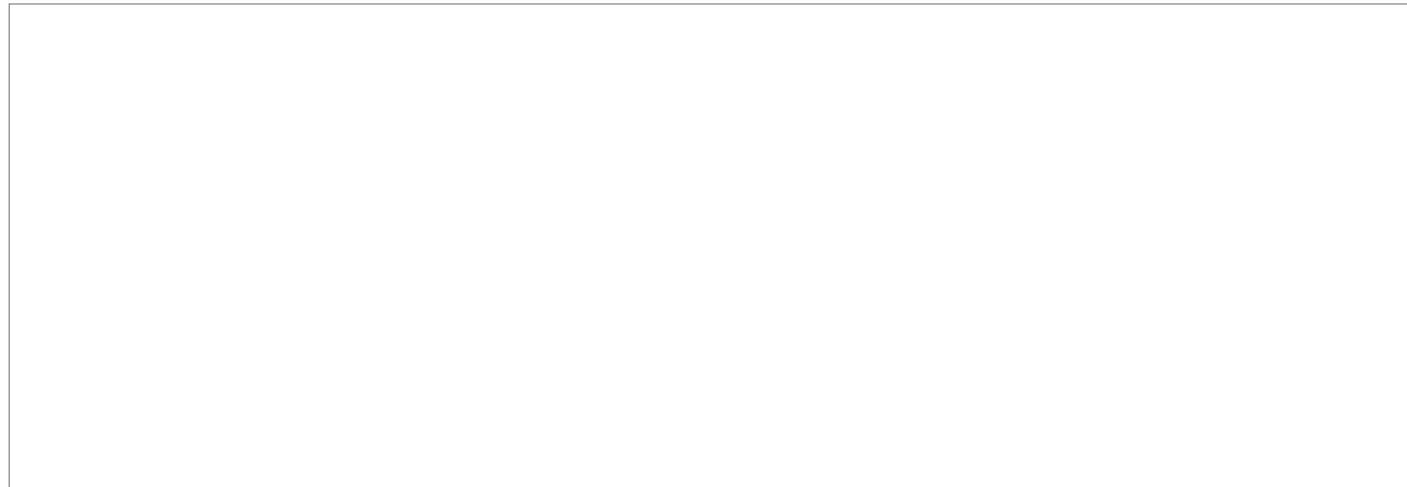
Terrestrial

Funding Source

Tundra schoolnet is currently funded by NRC (Proforsk 2014-2016)

Summary of Results

TUNDRA schoolnet is a research based school project, where students and teachers get hands on experience with current research on climate ecological research. The project schools carry out three research based activities throughout the year: 1. *See the predators!* Registration of predators with wildlife camera. 2. *Small rodent year?* Live trapping of small rodents. 3. *The big bud burst!* Phenology of birch in relation to spring temperatures. One of the project schools have an impressive phenological observations series from 2003, and this is now maintained through *The big bud burst* activity in Tundra schoolnet.



In October we arranged a two day seminar for the teachers in the project at the National park centre in Kiberg. The purpose of the seminar is to educate/update the teachers' knowledge on relevant topics, in order to give them the competence and confidence to include the activities in their teaching. The workshops are also an important step in order to strengthen the collaboration between schools in the tundra region, and for the teachers to exchange experiences from the project.

In TUNDRA schoolnet - *Extended* we aim to make the educational material from TUNDRA schoolnet more accessible for potential user groups outside the project. The selected topics for TUNDRA schoolnet activities are in particular motivated by the ongoing and foreseen impacts of climate change. However, it has been a challenge for the teachers in the project schools to provide background information about climate change to the children. Within the project TUNDRA schoolnet - *Extended* we are creating an short film in collaboration with a motion graphics producer, animating some of the main facts and important processes related to climate change. We want the content to be understandable to children and to consist of explaining climate change and its impacts on the ecosystem. At the same time, the film should appeal to the children's interest and carry a positive message about the future. The primary user group is primary schools all over Norway and their science teachers, and the film will be made freely available. Making a short animated film is, however, a more

complicated process than we predicted and there have been some obstacles in the making. The project is delayed, and we will not have the short film ready by the end of 2016. However, it is in the making and will be ready in 2017.

We have initiated a new collaboration with Varanger Museum and a national bumblebee project (La humla suse), and both parties attend the Tundra schoolnet seminar in October. In addition, we are invited to the Natural science center (Naturfagssenteret) to see how we can develop closer cooperation with them.

Master and PhD-students involved in the project

No

For the Management

Not relevant

Published Results/Planned Publications

No

Communicated Results

TUNDRA schoolnet is an outreach project with a high level of involvement from all the collaborators: project schools and researchers. In October we arranged a two-day seminar for the teachers in the project at the National park centre in Kiberg (Vardø municipality).

In addition we have held a seminar at the Department for education (UiT) on the theme: *Tundra schoolnet – case study for research based education in the North*, and we will hold a lecture at the Natural science conference November 30. on the theme *Winter biology*.

Budget in accordance to results

The budget has been spent to develop educational material for Tundra schoolnet. However due to the delay in the film production we could not promote as the film as planned. In agreement with the flagship leaders, we have relocated this funding to other purposes in Tundra schoolnet. When the film is ready, we will make sure that it is promoted with other means.

Could results from the project be subject for any commercial utilization

No

If Yes

The project schools in Tundra schoolnet have carried out the research based activities throughout the year, and the yearly seminar for teachers were held in October. We have established new cooperation with the Varanger museum and a national bumblebee project (La humla suse). Tundra schoolnet are continuously developing the educational material in the project and the animated film about climate change will be finished and distributed in 2017.