Local Arctic Environmental Observations
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Photo: Mika Aromäki
Reindeer herding students analyzing the different layers of snow

Photo: Mika Aromäki
Snow depth and snow water content cylinder measurements

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The state of Palsas can possibly be a great indicator of the climate change? Local people may be well motivated for putting their effort in palsa observation.
SYKE’s tasks include long-term monitoring of the state and trends in environment and to produce, share and use information for the society

Photo: Riku Lumiaro
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- SYKE.FI/PINTA
- JARVIWIKI.FI
- SYKE.FI/OPENDATA
- CKAN.YMPARISTO.FI
- LAJI.FI (LUOMUS)
- NSDC.FMI.FI (FMI)
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Research support & visualization

Citizen science

Open data and GIS infrastructure

National Satellite Data Center
Citizen observations to support national environmental monitoring
Local Arctic Environmental Observations

Circumpolar stories on changing environment, collected also by student interviews, targeting the elders of communities in the north

Are the timings of winter and spring arrival changed?

Has the structure of snow and / or ice changed?

Can the traditional trails or transportation routes used as before?

Have the winds or rainfall changed? Have the vegetation changed?

Have the behavior of fauna, eg. reindeer or caribou, changed?
National and international follow up is to be planned and designed

Workshop in Rovaniemi, June 18-19 organized for informing the Finnish stakeholders and gathering the Cleo people from Finland, Norway, Sweden for ideas of a concrete international follow up.
Short Film on Interviews of locals with traditional knowledge on changes in the environment: “Changing Environment – stories above the Arctic”, 11 min