

Finnish Forest Research Institute Kolari

Research on northern timberline forests



Kolari Mikko Toivonen

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Northern Regional Unit

METLA'S KOLARI UNIT

Kolari Unit is part of the Metla Northern Finland Regional Unit located in Rovaniemi. Kolari Unit has 8 permanent workers, two of them researchers.

Kolari Unit was established in 1964 for the study of peat lands in the vast Teuravuoma area. They have served research for decades. Today we focus on sustainable use of northern timberline forests and integration of different nature-based livelihoods. Also mining is rapidly growing in the area. This has several impacts on nature use.

Kolari Unit is located close to several important Finnish tourist destinations and Pallas-Yllästunturi National Park. Networking, interest group activity and local presence are our major strengths. Therefore our research has high social impact and relevance.

RESEARCH

Entrepreneurial and business activity based on forest

- ◆ Integration of nature-based and other livelihoods, such as forestry, tourism, reindeer herding and mining
- ◆ Nature-based tourism

Forests and the community

- ◆ social and cultural sustainability of nature use
- ◆ conflict management in northern forests

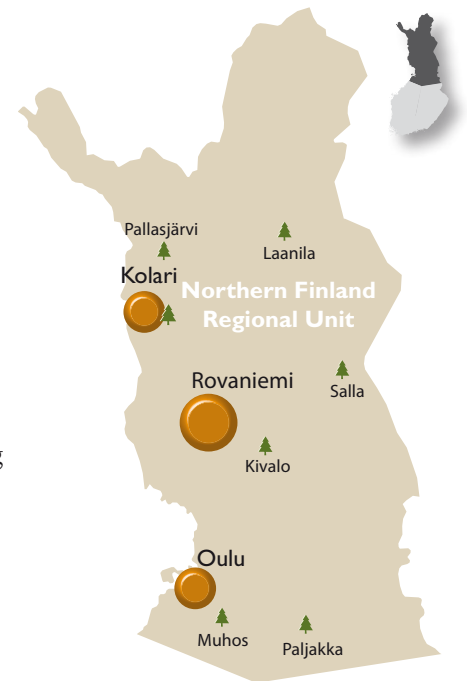
Sustainable silvicultural chains

- ◆ dynamics of natural forests
- ◆ dendrochronology – tree ring series
- ◆ best silvicultural practises for sustaining biodiversity

SERVICES

The researchers stationed in Kolari Unit take part in research and experiments in whole of northern Finland.

Measurements relate especially to breeding and tree species studies. Data is collected for seed yield, forest litter and phonological studies. We also service the National Forest Inventory by analysing tree rings and detritus, and help our partners with climate change studies in Pallas, western Lapland.



DENDRO-CHRONOLOGICAL MEASUREMENTS

Tree ring science has numerous applications, for example when studying forest growth, climate change, the age and origin of wooden buildings, forest damages and fire history of forest stands.

LOCATION

Kolari Unit is located along highway E8 close to the Swedish border. Metsähallitus and Forestry Centre Finland have their local offices in the same building.

Further Information

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