

### Forestry and forest environment information reserves

The Unit is a participant in the implementation of a pan-European forest health-monitoring programme and is responsible for Finland's part in its international coordination.

The reindeer-pasture inventory produces time- and place-bound information on pastures. This information may also be used as material for longitudinal studies in the future.

### Services

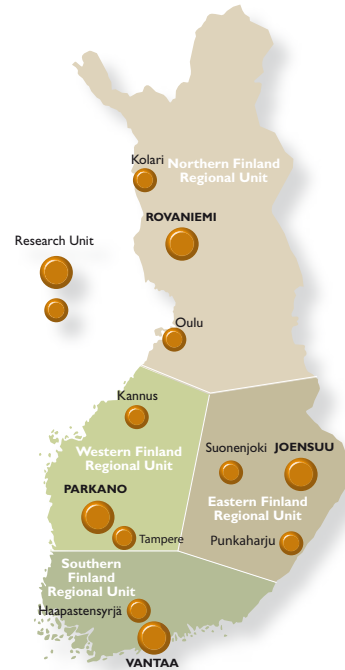
The Unit serves its customers by producing research information and applying it to the various tasks of experts, in stakeholder development projects, and in reports and commissioned studies. Customers may also purchase laboratory services.

The Unit also has offices at Salla and Pallasjärvi. Salla serves Metla's researchers by collecting and pre-processing research material. Pallasjärvi specialises in providing services for air quality and environmental monitoring studies. Its services are used by Finnish and foreign research institutes.



Kuva: Metla, Jouni Hyvärinen

There is Southern-, Western-, Eastern-, and Northern Regional Unit in Metla



#### Contact:

Regional Director Martti Varmola  
 Customer Manager Virpi Alenius  
 Information officer Sinikka Jortikka

## METLA

Eteläranta 55  
 PL 16, FI-96301 Rovaniemi, Finland  
 Tel. +358 10 2111  
 e-mail: [firstname.surname@metla.fi](mailto:firstname.surname@metla.fi)

[www.metla.fi/ro/index-en.htm](http://www.metla.fi/ro/index-en.htm)

Metla/R/01/2010

## Finnish Forest Research Institute Rovaniemi

*Boreal forest nature, silvicultural methods and the matching of various forms of forest utilisation*



The Rovaniemi Unit is the center of Metla's Northern Regional Unit.

The Rovaniemi Unit aims at being an internationally leading research unit for boreal forest nature and forest utilisation.

The Unit serves the development of industries based on forest nature in northern Finland.

Established in 1970, the unit employs 20 researchers and one professor. Permanent employees number 70.

The Rovaniemi Unit of the Finnish Forest Research Institute (Metla) shares premises with MTT Agrifood Research Finland's Plant Product Research Unit and with ProAgria Lappi.

The research activities of the Unit are following Metla's areas of strategic influence:

### Entrepreneurial and business activity based on forests

The Unit performs research on industries based on forest utilisation and the matching of the industries with each other. **Forest economy research** focuses on silvicultural and forest cultivation methods, especially regeneration and its economy.

The aim is to investigate and find regeneration methods that lend themselves to the conditions prevalent in northern Finland, are profitable and accommodate other industries. These methods must also support the business and enterprise activities of forest owners and persons engaged in forestry.

**Nature tourism research** produces knowledge that can be used to improve the industry's operational conditions and also to reach international tourists better than before.

The Unit serves **reindeer farming** by producing information on the relationships between reindeer husbandry and forestry and on the adaptation of reindeer husbandry to climate change.

### Forests and the community

In this area the unit investigates and develops operations models that make the sustainably overlapping activities of various industries and forest utilisation forms possible. Special emphasis is on the significance of forestry, reindeer husbandry, tourism and nature conservation from the viewpoint of the local economy and culture as well as on the matching of the industries with one another.

In **nature tourism research**, the focus areas are tourists' appreciation of the landscape and the environment, the attitude of foreign tourists towards various forest management methods, the matching of tourism and traditional rural livelihoods, and the planning of tourist centres and their impacts on life in remote areas.

The Unit also carries out research on policy methods used in safeguarding the biodiversity of private forests and the impacts of such methods.

### Sustainable silvicultural chains

The Unit carries out diversified **research on climate change**. It is participating in research such as a comprehensive study called the European Climate of the Last Millennium. Research is also performed on the impacts of climate change on forest nature, forest growth, incidence of noxious insects and the damage caused by them. Soil microbes and their cold resistance mechanisms are studied in arctic tundra and forest ecosystems.

The need for repair drainage in **peatland forests** is investigated with the help of studies of the significance of tree stands and climate for the water balance of drained peatland forests. Research is also carried out on the incidence of damage caused by moose and the dependence of moose stocks on landscape structure as well as the utilisation of knowledge obtained from such research in decision-making related to **moose**.



Kuvat: Metla/Erkki Oksanen