

METLA

Finnish Forest Research Institute

Professor Hannu Raitio

Director General

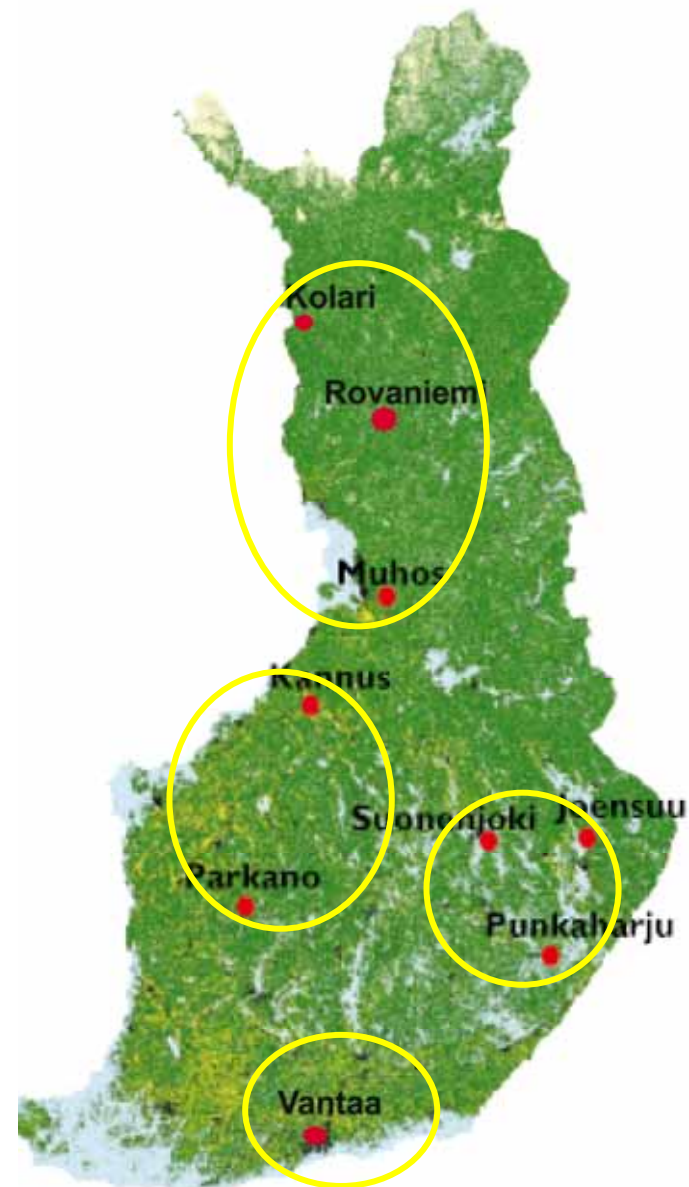
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METLA

Metsäntutkimuslaitos Skogsforskningsinstitutet Finnish Forest Research Institute www.metla.fi

Finnish Forest Research Institute - Metla

- Subordinate to the Ministry of Agriculture and Forestry, established in 1917
- Personnel > 1000
 - 340 researchers
 - 150 with PhD degree
- 4 Regional Units cover the whole country
- Budget > 50 mill. euros in 2009, of which about 80% direct government funding from the Ministry of Agriculture and Forestry



Metla's duties defined by the law and statute



1. to conduct research and development activities
2. to generate and disseminate research information and carry out knowledge and technology transfer
3. to promote national and international cooperation and networking and anticipate future development in forestry and forest research

Metla's duties defined by the law and statute



4. to manage long-term research field experiments, research material and databases
5. to follow the development of forest resources, forest health and forest utilization, to conduct forest tree breeding and generate information for forest statistics
6. to carry out other tasks defined by the law and statute
7. to carry out tasks separately given by the Ministry of Agriculture and Forestry



Mission

Metla builds the future of the forest sector by producing and disseminating information and know-how for the well-being of society

Vision

To position Metla at the most influential and effective national and international institution with expertise on sustainable use of forests and one that anticipates the information needs of its clients.

Strategic objective



Metla conducts research and development activities that have high scientific standards and positive societal impacts aimed **to enhance sustainable use of forests as well as economic competitiveness of the forest sector.**

Scientific priority areas

1. Forest-based enterprise and business activities
2. Societal impact of forests
3. Structure and functioning of forest ecosystems
4. Forestry and forest environment databases

Metla's Research Programmes



- Renewing wood product value chains and timber procurement solutions (2009-2013)
- Welfare effects of forests (2008-2012)
- Cost-efficiency and quality in silvicultural operations (2007-2011)
- Functioning of forest ecosystems and use of forest resources in changing climate (2007-2011)
- Bioenergy from Forest (2007-2011)
- Research and Development Programme on Forest Resource Information Systems and Forest Planning (2007-2010)
- Production forestry in drained peatlands (2007-2010)
- Safeguarding forest biodiversity - policy instruments and socio-economic impacts (2005-2010)



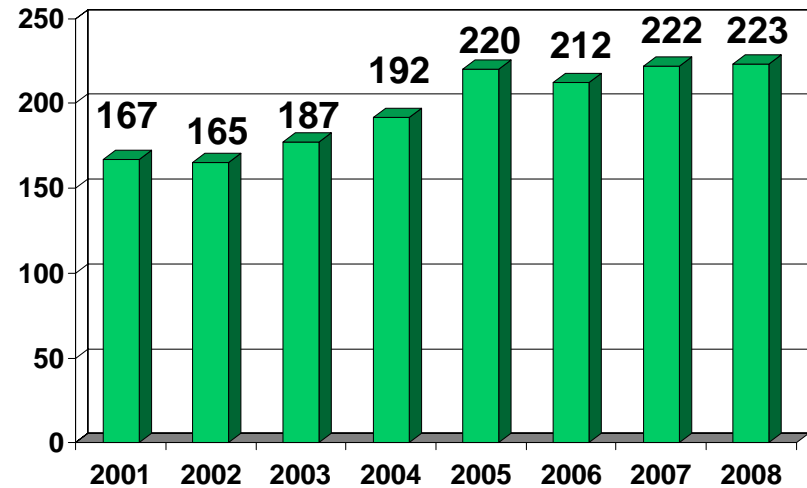
In addition, Metla participates in the research programmes of *Forestcluster Ltd.*, *Cleen Ltd.* and the *Environment and Natural Resources Consortium*:

- Future biorefinery
- Intelligent and resource-efficient production technologies
- Sustainable fuels
- Climate change
- Baltic Sea
- Bioenergy
- Sustainable land use



Metla's publications

- **Silva Fennica**
a quarterly, peer-reviewed journal of forest science published in English
- **Dissertationes Forestales**
forestry dissertations together with Helsinki and Joensuu universities
- **Metsätieteen aikakauskirja**
Series comprising research articles in Finnish and Swedish
- **Working Papers**
preliminary research results, proceedings and learned discourses, mainly in Finnish and in English, published in the net



Amount of Metla's publications in internationally referred series



Metla's strategic international aims

Maintaining its internationally **leading position** in:

- Forest inventory and monitoring of forest ecosystems
- Production ecology and material flows in Northern boreal forests
- Sustainable management and harvesting chains in Northern boreal forests

Achieving an internationally **leading position** in:

- Bioenergy from forests
- Knowledge and use of wood-material properties
- Mitigation and adaptation to climate change

Strengthening its international **position** in:

- Social acceptability of forestry and the environmental capacity of wood-based products
- International forest policy and development policy

Members of Metla Scientific Advisory Board

- Darius Adams, Oregon State University, **USA**
- Jan Fryk, SkogForsk, **SWEDEN**
- Jagmohan Maini, Ottawa, **CANADA**
- Luc Pâques, INRA, **FRANCE**
- Anatoly Petrov, All-Russian Institute of Continuous Education in Forestry, **RUSSIA**



Metla's cooperation with France



- 13 joint research projects in 2008-2009
- joint networking (in e.g. COST Actions)
- joint publications
- > 10 French trainees work in Metla annually
- cooperation areas:
 - forest inventory
 - forest genetics
 - invasive species, emerging diseases (pathogens, rodents)
 - issues linked with climate change and sustainable use of forests
- possible future cooperation areas: wood science, bioenergy from forests...



Thank You!