



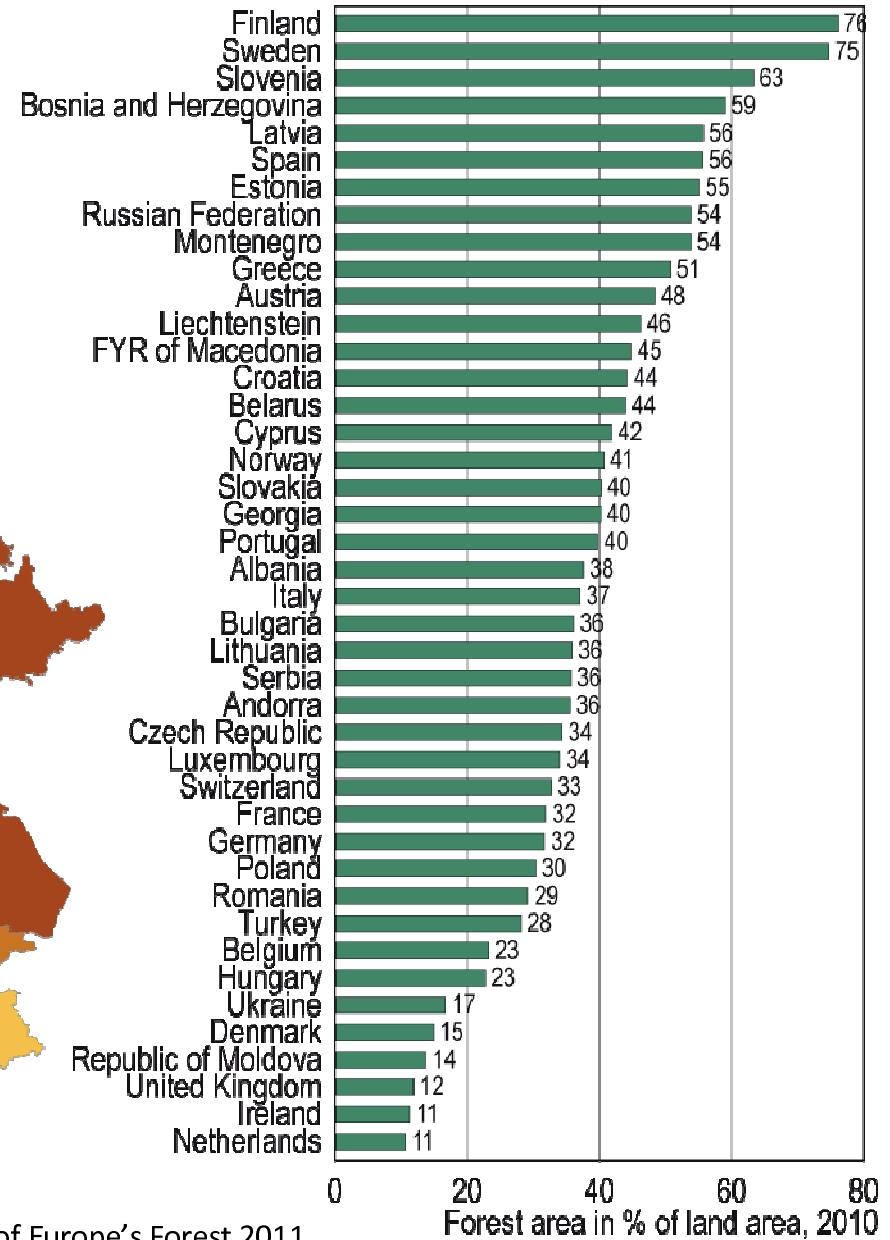
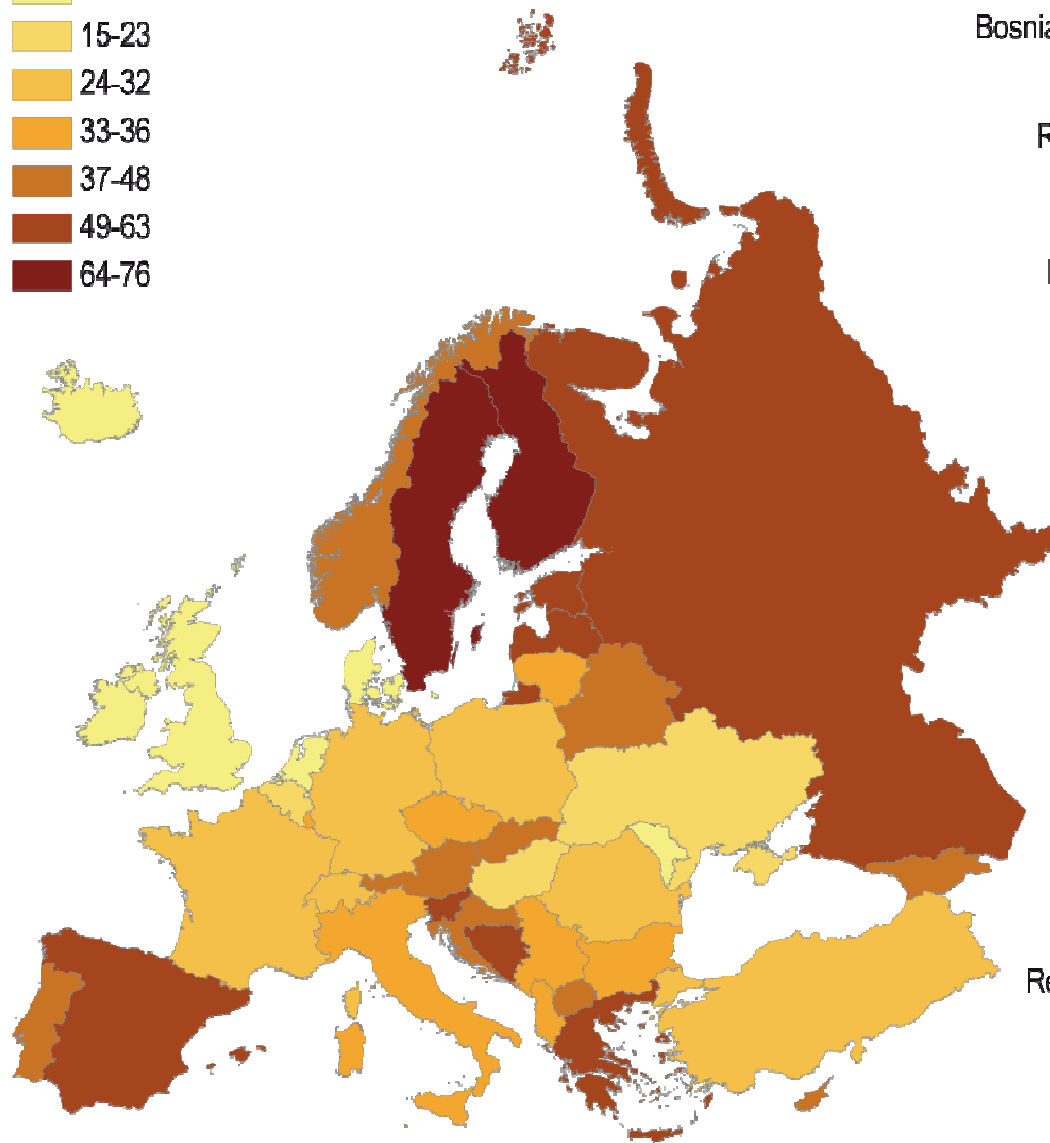
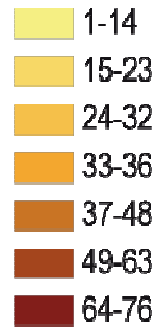
**Shifting from  
a traditional forest sector expert  
to a forerunner in bioeconomy**

**Koli Forum 2011**

Ritva Toivonen  
Director General  
Forestry Development Centre TAPIO

# FINLAND 2010 - THE MOST FORESTED COUNTRY IN EUROPE

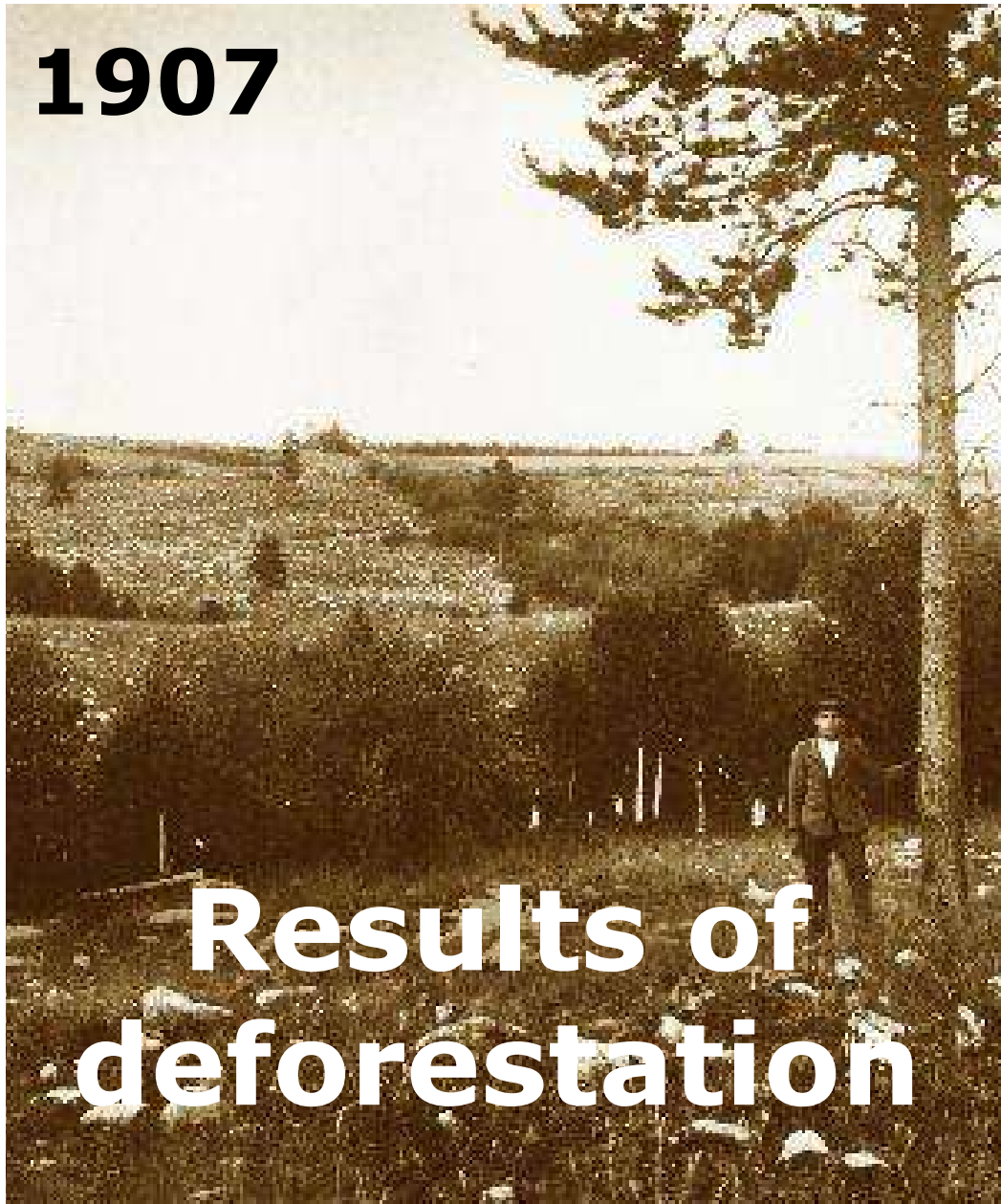
Forest area in % of land area, 2010



Forest and other wooded land as % of land area. Source: State of Europe's Forest 2011.

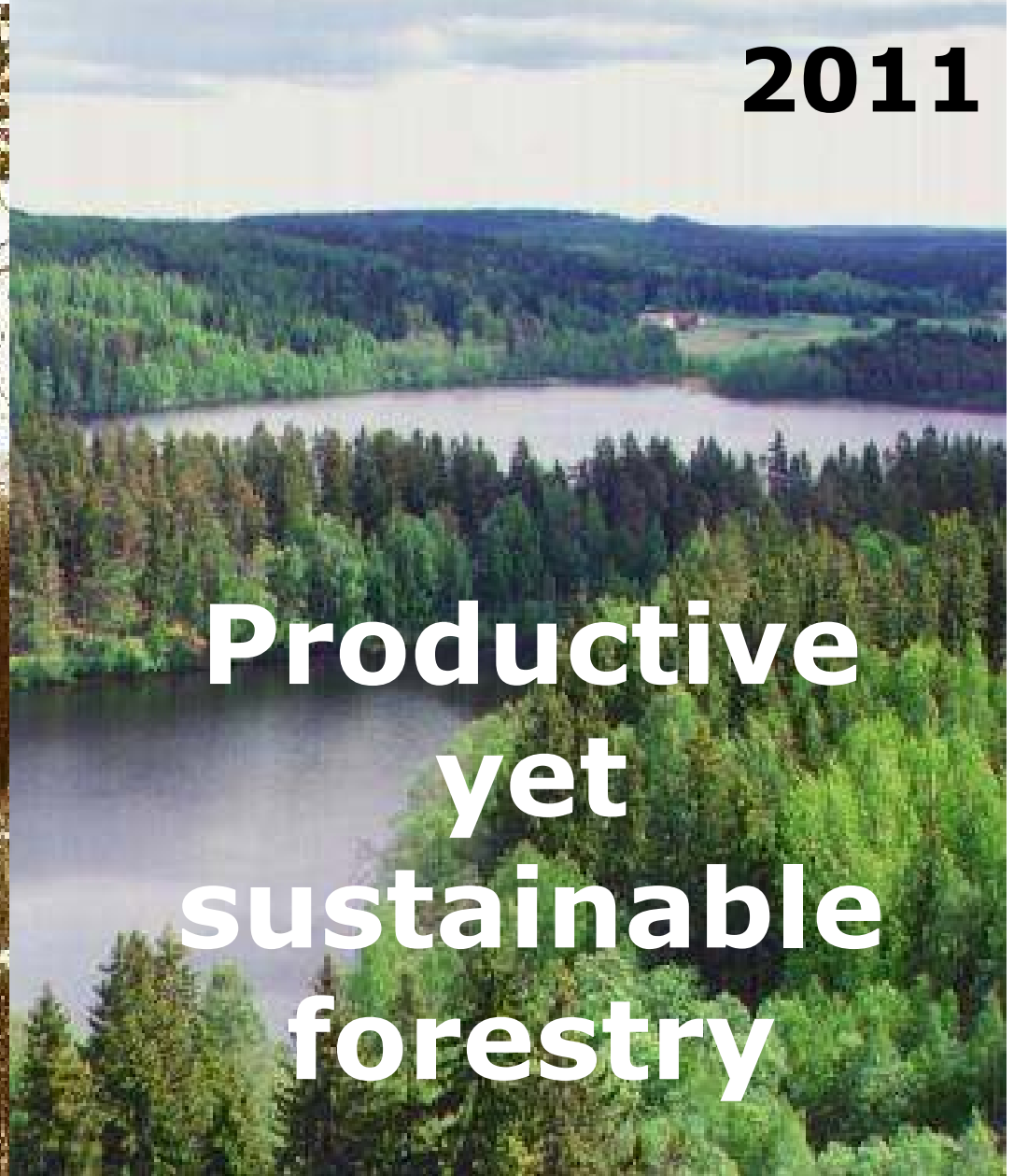
# Tapio - a part of the forestry success story since 1907

**1907**



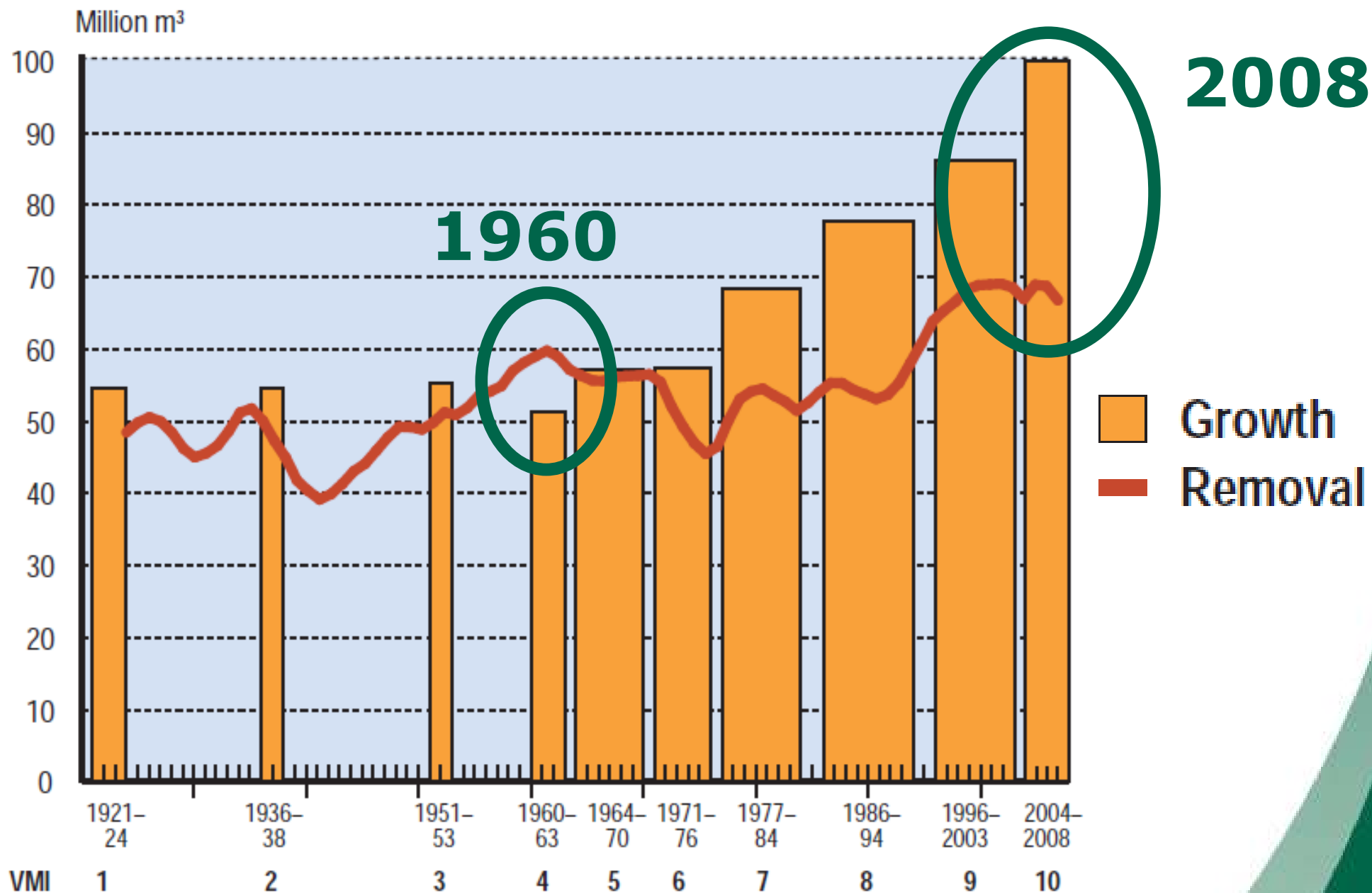
**Results of  
deforestation**

**2011**



**Productive  
yet  
sustainable  
forestry**





Sources: Statistical Yearbook of Forestry 2010, Finnish Forest Research Institute, forest.fi

A satellite view of Earth from space, showing the continents of Africa, Europe, and Asia. The image is a composite of several satellite images, showing cloud cover and landmasses. The text is overlaid on the right side of the image.

• **Growing demand  
for natural resources**

• **Climate change**

• **Deforestation**

• **Water issues**



**Bioeconomy  
is the  
solution**

**Sustainability  
Efficiency  
Renewability**



# TAPPIO

The World Changes  
– So Do We

**Forests are  
a part of bioeconomy.**

**Nationally - Internationally**



---

## Green growth



**Company. Market based.  
Serves widely public and private sectors.**

## **Bioeconomy - policy & business**

- Knowledge support for **bioeconomy policy planning**
- **Developing structures** for forest law enforcement
- **Economics in private forestry**

## **Sustainable Forest and Water Management**

- **Sustainability criteria** & evaluation
- Developing models for **ecosystem services**
- Best practices in **sustainable forest management and bio-energy** production

## **Natural Resource Data Management**

- **Modern inventory technologies** for biomass and nature values
- **Fiber availability and carbon balance** analyses & follow-up



## **Our expertise and services in bioenergy sector:**

Education, training and consulting services

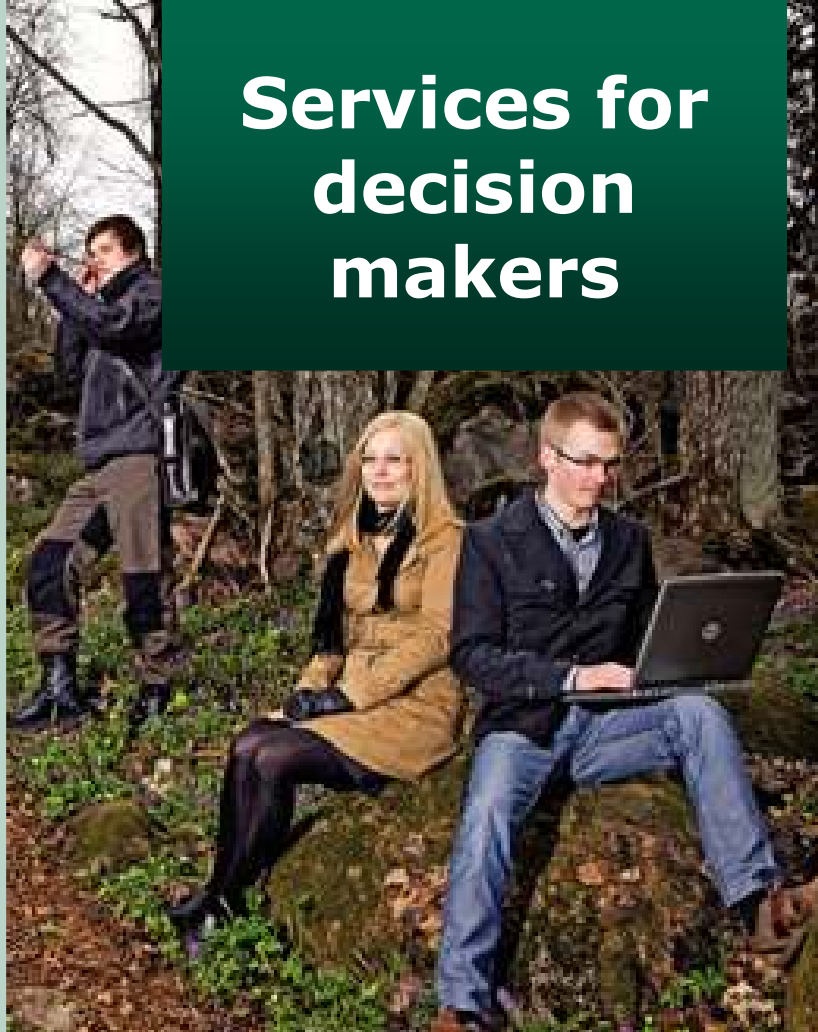
Development projects and guidelines (harvest and produce energy wood)

**Our clients** are forest and energy industry companies and other stakeholders.



**International customers**

**Services for decision makers**



**Service for landowners and industry**



**Biomass production, expertise & materials**



**TAPION TASKUKIRJA**

**Training, extension, information services**



**makasiini**



**Our goal  
is that  
you can  
walk through  
the forest  
with a  
smile.**

**Thank  
you!**



[www.tapio.fi/bioeconomy](http://www.tapio.fi/bioeconomy)