

Sustainable bioeconomy in Finnish Lapland: Multiple use of forests

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LAPIN AMK
Lapland University of Applied Sciences



Programme for Sustainable Growth and Jobs

Leverage from
the EU
2014–2020



Finnish Forest Centre

- A house of expertise of serving and promoting sustainable forestry
- Supervised by Ministry of agriculture and forestry
- Clients
 - Forest owners
 - Companies, organisations
- Flagships: Metsään.fi e-Service, Forest data services

<https://www.metsakeskus.fi/en/finnish-forest-centre-focusing-people-and-forest>



Tasks specified in law

- Promoting sustainable forestry, for example
 - Forest management planning
 - Advice, education and information
 - Promoting local cooperation
 - Supervising forest law regulations
- Forest Centre receives a state subsidy for its activities and it is under the supervision and guidance of the Ministry of Agriculture and Forestry.





Business services

FOR FOREST OWNERS

- Metsään.fi-eService, direct client work and training
- The objective is to enhance active forest use and management and nature management

FOR COMPANIES AND ORGANISATIONS

- Metsään.fi-eService, direct client work and training
- The objective is to enhance both services and profitability for our clients

BRINGING EXPERTISE TO CLIENTS

- Silviculture and forest health, nature management, forest bioeconomy, structural matters of forest property, forest road rehabilitation
- Advisory services, training and communication

IMPROVING THE OPERATIONAL PRECONDITIONS OF SUSTAINABLE FOREST-BASED BUSINESS

- Regional forest programmes and provincial cooperation
- Partnerships
- Planning
- Comprehensive and diverse development project activities



The gist of project activities

SMART ARCTIC FOREST NETWORK 1.9.2017-30.6.2020

- Six forestry operators as project promoters:
 - **Expertise** – Finnish Forest Centre (Suomen metsäkeskus)
 - **Education** – Lapland University of Applied Sciences
 - **Research** – Natural Resources Institute Finland (LUKE)
 - **Public forest ownership** - Metsähallitus
 - **Private forest ownership** – Central Union of Agricultural Producers and Forest Owners – (MTK)
 - **Youth activation, the organic certification of natural products** – (4H in Finland)
- A sub-cluster of Lapland Arctic Smartness clusters
- Themes: forest management, natural products, ecotourism

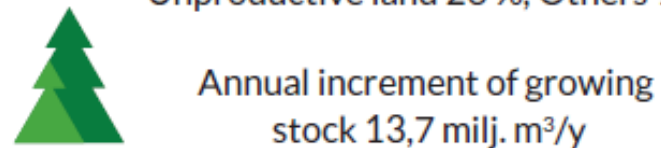
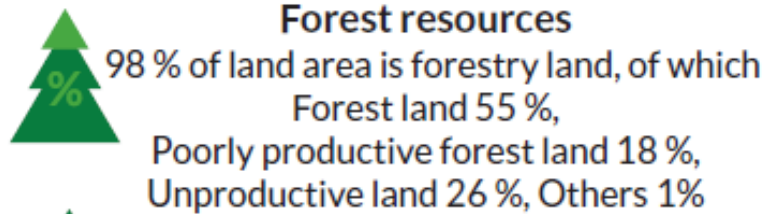
Bioeconomy in Lapland

Lapland's Arctic forest-based bioeconomy is progressive

It is based on

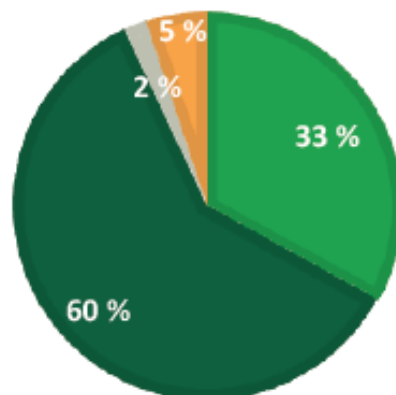
- respect for arctic nature
- high-quality forest data
- high technological development
- multiple use of forests
- stakeholder engagement
- continuous improvement of operational sustainability

Some key figures



Ownership of forestry land

■ Private land ■ State land ■ Company land ■ Others



Forest protection

Protected forests: forest land and poorly productive forest land 17854 km² (27.1 %)

- 7 National Parks
- 7 Strict Nature Reserves
- 12 Wilderness Areas

The maximum sustainable cutting possibilities and the use

Merchantable/commercial timber

- Possibilities 6,49 mill m³
- Use 5,4 mill m³

Energy stemwood, branches, stumps

- Possibilities 1,87 mill m³
- Use 0,357 mill m³

Multiple use in Lapland in practice

- Forestry and nature conservation
- Tourism, nature tourism
 - Second most foreign overnight stays in Finland
 - Brands: clean, natural environment, unpolluted
 - Value (2017) more than 1 billion euros. In comparison: Forest based bioeconomy (2011-2013, annual average) 1,4 billion euros
- Natural products (non wood products)
 - 55 companies operating in Lapland
 - Turnover around 37 million euros
 - Increasing interest supported by modern trends
- Reindeer herding

How to combine different fields of businesses?

- stakeholder engagement processes on different levels:
 - Natural resource planning (Government land - Metsähallitus)
 - Regional forest program process (Law based development program – Finnish forest centre)
 - Practical development work on regional level; Smart arctic forest network, other more specific projects

Thank you

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