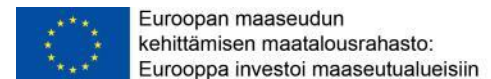


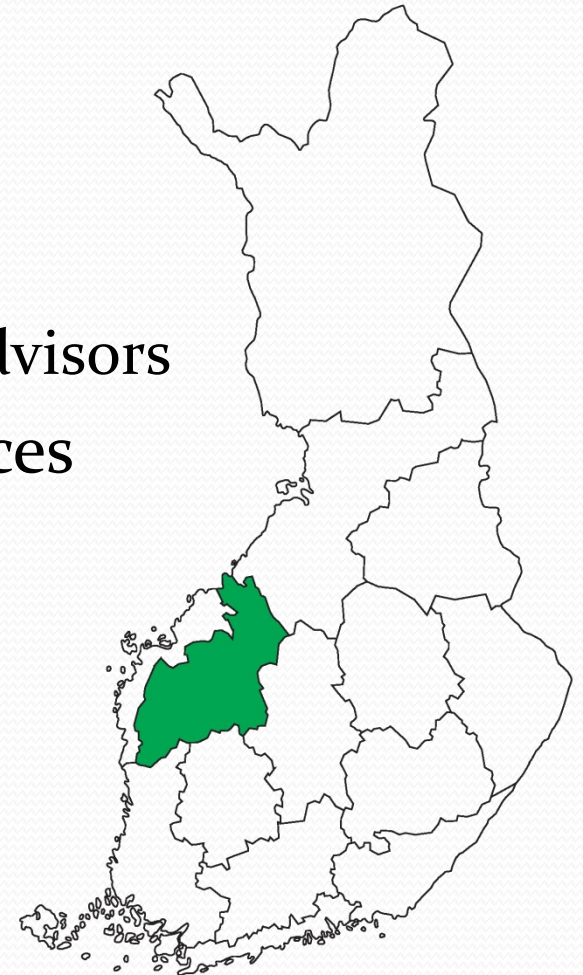
# THE "SUSTAINABLE FOREST ENERGY" PROJECT

Jussi Laurila



# PROJECT OPERATORS & AREA

- Forest Centre
  - The project leader
  - Information, events and excursions
  - Project manager and two bioenergy advisors
- Seinäjoki University of Applied Sciences
  - Research and development
  - Research manager, researcher and part-time researchers
- Funding: The European Agricultural Fund for Rural Development



# THE AIM OF PROJECT

- To yield forest energy information by research
- To inform about forest energy
- To increase production and utilisation of forest energy
- To increase profitability of primary producers
- To increase regional economics
- To decrease the use of fossil fuels
- To increase energy self-sufficiency in the area
- To prevent climate change

# TARGET GROUP & OUTPUTS

- The target groups and main beneficiaries
  - Primary producers of forestry and agriculture, heating entrepreneurs, machine entrepreneurs and citizens of the target area
- Outputs of the project
  - Forest energy publications in magazines, newspapers, guidebooks, publication series and internet
  - Theme days, seminars & excursions



# WORK PACKAGES

1. Technology
2. Profitability
3. Environment
4. Information



# TECHNOLOGY

- Moisture and drying properties of energy wood
- Quality of energy wood
- Energy wood harvesting machines
- Crane scale measurement
- Possibilities of the local-scale CHP -technology
- Energy-wood logging machine exhibitions in the school forest



# PROFITABILITY

- Effect of wood moisture to energy wood business
- Energy wood or industrial wood?
- Development of energy wood procurement
- Effects of state subsidies and emissions trading to energy wood business
- Profitability of Scots pine stump harvesting
- Tools for heating entrepreneurs for checking of the price of heat energy
- Bioenergy terminals



# ENVIRONMENT

- Environmentally-friendly energy wood harvesting in young stands
- Utilization of wood ash





# INFORMATION

- Seminars
- Theme days
- Excursions
- Work exhibitions
- Guidebooks
- Work safety
- Project homepage



## **Forest Centre**

Project manager

**Juha Viirimäki, +35850-314 0464**

Bioenergy specialists

**Tatu Viitasaari, +35850-314 0472**

**Marko Ämmälä, +35850-314 0521**

[forename.surname@metsakeskus.fi](mailto:forename.surname@metsakeskus.fi)

## **Seinäjäki UAS**

Research manager

**Tuomas Hakonen, +35840-830 0400**

Researcher

**Ismo Makkonen, +35840-680 7088**

Adjunct professor

**Risto Lauhanen, +35840-830 4150**

[forename.surname@seamk.fi](mailto:forename.surname@seamk.fi)

[www.kestavametsaenergia.fi](http://www.kestavametsaenergia.fi)

