



France-Finland Commission
Activation of forest owners to increase forest fuel
supply.
2009 - 2012



TAPIO

National Center of private forest

- 450 peoples (technician, engineer)
- 18 regional centre
 - Agreement on forest management planning, economics developpment
- **1 R&D institute (IDF)**
 - 35 peoples, 15 engineer,
 - 4 regional offices
- Interface and transfer between research and forest management
- collecting the private forest owners and manager's needs,
 - to assess technical, economic and ecological risks,
- developing consequently applied research programmes
 - silvicultural techniques and tools,
- disseminating these techniques and tools
 - technical journals and publications, training and awareness programmes.

R&D main topics

Forestry management

- Adaptation of the forest management to the climate changes (coordination of national network RMT AFORCE)
- Forest ecology and environmental functions (protection of soil and water)
- Biodiversity and habitats, sustainable development, certification
- Non productive functions of forests and socio-economic aspects (Carbon storage, Water quality)

Sylvicultural techniques

- Even and uneven-aged plantations; mixed species; companion vegetation, with economics assessment (profitability)
- Specific programme on main species with working groups:
 - Poplar, oak, sweet chestnut, Douglas fir and coniferous...

Network of forests owners

- Network of forests organisation to develop innovative forest management technical
- Annual questionnaire on economics decision of private owners among a PFO panel

Activation of forests owners

🌐 European union objectives:

- + 20 % renewable energy by 2020
- Private forest ownership = 60 % of resource.
- So, How to harvest more in private forest ?
- Activation FO = increase wood supply, not only wood fuel



Wood fuel facts

In Finland

- 20 % of total energy consumption
- Wood chips over 1 million toe/year

In France

- 6% of total energy consumption
- Wood chips: 482 000 toe/year

In Midi-Pyrénées

- 9% of total energy consumption



AFO's main objectives

Increase wood fuel demand and supply in Europe

- Identification strategic areas where activate FO
 - Forest resource, private forest, wood fuel demand
- Establish and coach wood fuel supply clusters
- Co-operation with wood fuel users, test supply contract : *quantity, quality, frequency, price*
- Disseminate and exchange knowledge and know how throughout AFO's partners also in Europe

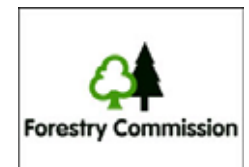
3 years to succeed

AFO's partners

- FINLAND, VTT
- FINLAND, TAPIO
- AUSTRIA, BIOENERGY 2020+
- FRANCE, CNPPF / IDF
- FRANCE, FCBA
- LATVIA, VIDES PROJEKTI
- SLOVENIA, APE
- UNITED KINGDOM, SOUTH YORKSHIRE FOREST PARTNERSHIP
- UNITED KINGDOM, FORESTRY COMMISSION



bioenergy2020+



6 countries / 9 organizations

AFO's plan of actions

- **WP1** : Management

Study phases:

- **WP2** : Identification of wood fuel supply and suppliers

- **WP3** : Identification of wood fuel consumption and users

Action phases

- **WP4** : Establishing clusters of wood fuel suppliers

- **WP5** : Development and implementation of business relationships between wood fuel supply clusters and users

- **WP6** : Communication and dissemination



AFO in France and Finland

Finland :

➤ VTT

- ❖ **WP1 Leader:** Coordination of the project

- ❖ **WP3 leader:** Identification of wood fuel consumption and users

➤ TAPIO

- ❖ **WP6 Leader:** Communication and dissemination

France

➤ FCBA

- ❖ **WP2 leader :** Identification of wood fuel supply and suppliers

- ❖ Implement the project in Limousin with technical assistance of Limousin CRPF.

➤ IDF/CNPF

- ❖ **WP2 :** Identification of wood fuel supply and suppliers

- ❖ Implement the project in Midi-Pyrénées with technical assistance of Midi-Pyrénées CRPF.

7 work packages

2 strategic topics of CNPF/IDF

Forest Adaptation for climate changes :

- Coordination of national network “AFORCE” (research, forest management, education, development)
 - ❖ **Main Objectives: Transfer technical tools, methods to foresters to adapt their forests**

Environmental forest services:

- **Carbone storage :**
 - ❖ **Sylviculture role on carbon sequestration, how much? How to do more?**
 - ❖ **Contract for voluntary carbon market between private owners organization and industry**
- **Water quality :**
 - ❖ **Economic evaluation of forest action on water quality**
 - ❖ **Contract for drink water production in forest**
- **Biodiversity**