

Smallwood Project Tomas Nordfjell



SMALLWOOD project

A project dealing with utilization of small trees from various types of stands



SMALLWOOD project

Relevance

In Europe there are at least 40 million ha of forest areas with this kind of stands (About 25% of the total forest area in Europe)



SMALLWOOD project – main ideas and goals



Situation of today

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Such treatments cost a lot of money.

If just some of the biomass could be utilized this should add millions and millions m³ of wood to the European biorefining industries!





SMALLWOOD project

Overall objective

To develop and evaluate new technologies and new business and operational models that can support a sustainable management and utilization of different types of small diameter wood.



Hypothesis



The hypothesis are that small diameter stand management and the studied techniques and work methods have an interesting potential in terms of economy, social acceptance, sustainability, SME business opportunities and rural development, if identified bottlenecks are solved.





SMALLWOOD, a ForestValue ERA-NET project



SMALLWOOD is supported under the umbrella of ERA-NET Cofund ForestValue by:

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Academy of Finland,

Ministry of Education, Science and Sport (MIZS),

Ministry of Economy, Industry and Competitiveness (MINECO).

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Project partners



Partner	Country	
Swedish University of Agricultural Sciences (SLU)	Sweden	SI U
Universidad Politécnica de Madrid (UPM)	Spain	
Slovenian Forest Institute (SFI)	Slovenia	
University of eastern Finland, School of Forest Sciences (UEF)	Finland	UNIVERSITY OF EASTERN FINLAND
Faculty of Economics and Business, University of Maribor (FEB)	Slovenia	University of Maribor Faculty of Economics and Business
Bracke Forest	Sweden	Bracke

Program of today



10:00-12:00 Harvesting productivity and cost in small diameter stands

 Productivity studies of accumulating felling head (Bracke C16.c)–effects of boom-corridor thinning (Dan Bergström)
Small diameter stands harvesting and supply cost analysis (Matevž Triplat)
Bush harvesting, pilot studies on Retrabio and Biobaler (Eduardo Tolosana)

12:00-13:00 Lunch break

13:00-13:45 Environmental and fire risk assessment of small diameter stands managements1.Environmental assessment (Teresa Fuente)2.Fire risk assessment (Ruben Laina)





13:45-14:30 Socio-economic aspects of the small diameter stand management

1.Private forest owners' perception (Thomas Kronholm)2.New or enhanced novel business models (Zdenka Ženko /Damjan Mumel)

14:30-15:00 Coffee break

15:00–15:45 Overall analyses of the economic, social and environmental values of the small diameter stand management

- Assessing the multi-dimensional sustainability and value creation of Small diameter stands harvesting (Satu Helenius)
- Empirical findings on the sustainability analysis of Small diameter stands harvesting in Finland, Slovenia, Spain, and Sweden (Teppo Hujala)

15:45 –16:15 The way forward, general discussion and conclusions (Tomas Nordfjell)