SMALLWOOD

Small diameter wood utilization with innovative stand management for multifunctional forests and a growing sustainable bio-economy

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Project SMALLWOOD is supported under the umbrella of ERA-NET Cofund ForestValue by Formas, Swedish Energy Agency, Vinnova, Academy of Finland, Ministry of Education, Science and Sport (MIZS), Ministry of Economy, Industry and Competitiveness (MINECO). ForestValue has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement N° 773324.

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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.

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The hypothesis are that Small Diameter Stand (SDS) management and the studied techniques have an interesting innovation potential in terms of economy, social acceptance, sustainability, SME business opportunities and rural development especially if identified bottlenecks are solved.

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1. improve the techniques and work methods up to the level where a profitable business can be built on SDS management and utilization,
2. develop strategies for SDS management that is sustainable, with a positive environmental profile, and long-term added values for a number of actors in the society.

The project focuses on four stand types

1) **Conventional thinning stands with small diameter trees;**

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2) **Traditional coppice stands;**

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2) Traditional coppice stands;
3) Areas for forest fire prevention with small trees or bushes;

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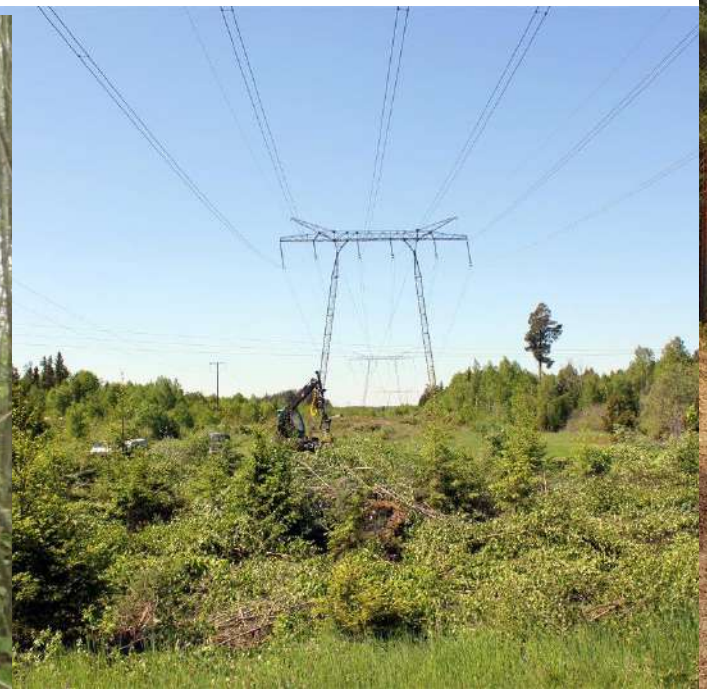
1) Conventional thinning stands with small diameter trees;
2) Traditional coppice stands;
3) Areas for forest fire prevention with small trees or bushes;
4) Linear cleaning areas like roadsides, power line corridors and strips just outside agricultural farm land






Two types of technologies will be studied and further developed

1) Multi-tree harvesting technique combined with the working method “Boom corridor Thinning”

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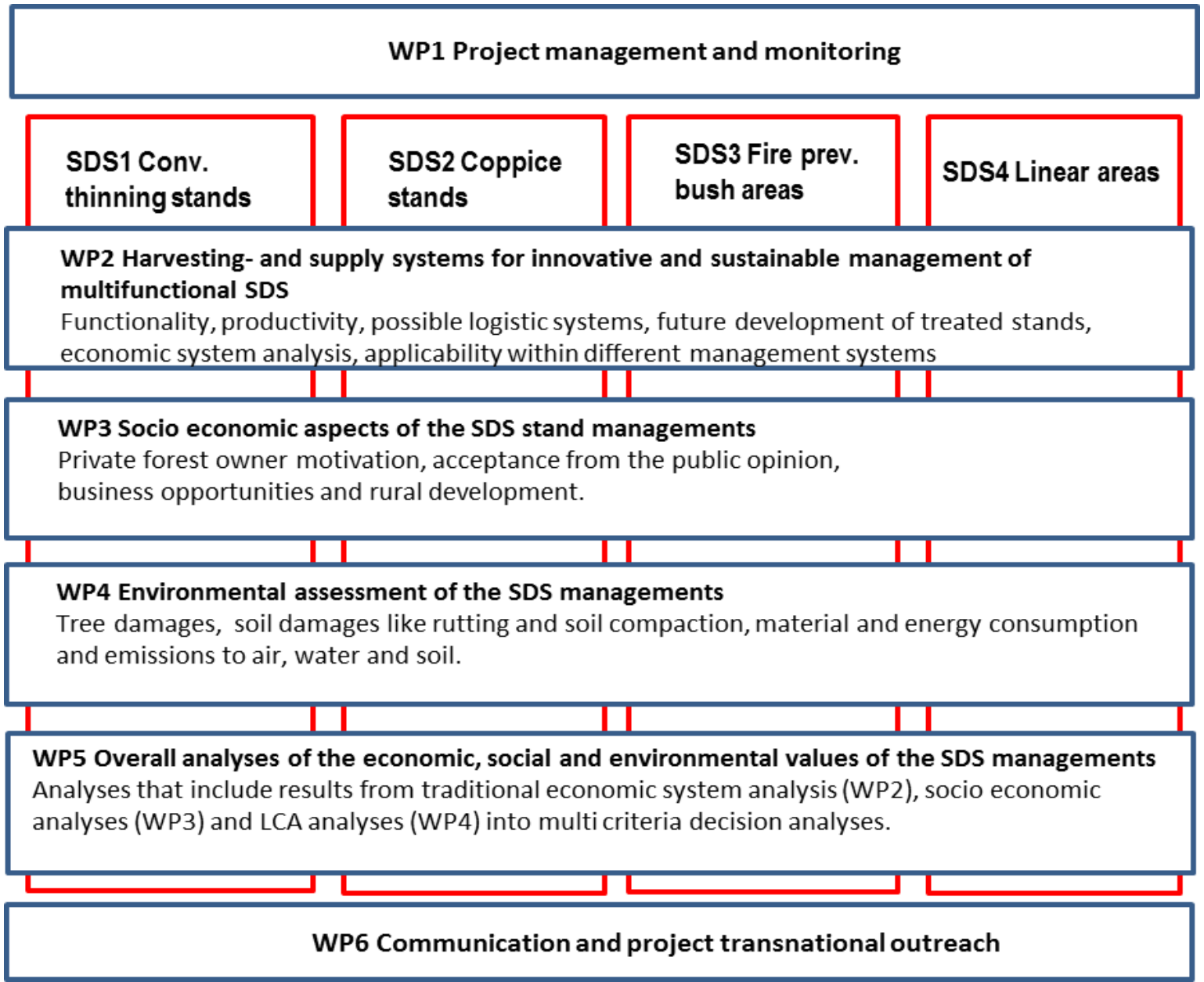
2) Combined harvesting and chipping technique

Project partners

Partner	Country	Respective funding organization	Contact person
Swedish University of Agricultural Sciences (SLU)	Sweden	Vinnova/Formas/SWEA	Prof.dr. Tomas Nordfjell
Universidad Politécnica de Madrid (UPM)	Spain	ES/MINECO-AEI	Prof.dr. Eduardo Tolosana
Slovenian Forest Institute (SFI)	Slovenia	SI/MIZS	Dr. Nike Krajnc
University of eastern Finland, School of Forest Sciences (UEF)	Finland	FI/MMM and FI/AKA	Prof.dr Teppo Hujala
Faculty of Economics and Business, University of Maribor (FEB)	Slovenia	SI/MIZS	Prof.dr. Zdenka Ženko
Bracke Forest	Sweden	Vinnova/Formas/SWEA	CEO Klas-Håkan Ljungberg

SMALLWOOD Project WPs



Project ID card

Countries involved: Sweden and Finland from north + Spain and Slovenia from South

Duration: from 2019 till 2022

Total budged: 1.225.000 €

Thematic research area: Innovative sustainable management of multifunctional forests

Overal objective: to develop and evaluate new technologies, business and operational models that can support a sustainable management and utilization of different types of small diameter wood.

Target groups: forest owners, forest contractors, Forest practitioners, general public

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THANKS

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