

# SMALLWOOD

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

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# Project ID card



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



**Duration:** from 2019 till 2022



**Total budgeted:** 1.225.000 €



**Thematic research area:** Innovative sustainable management of multifunctional forests



**Overall 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

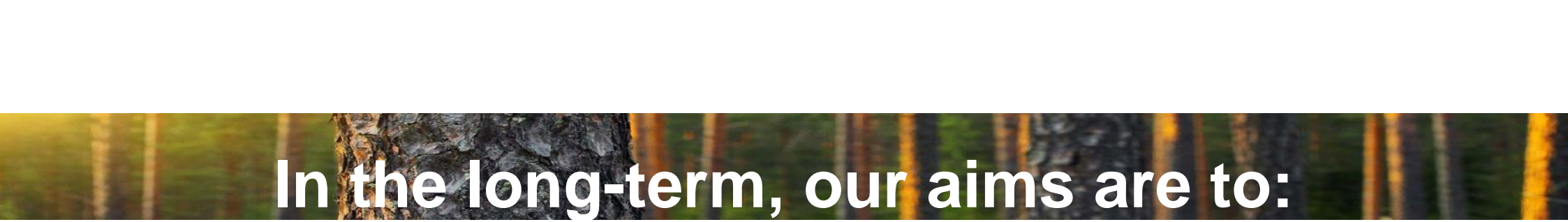


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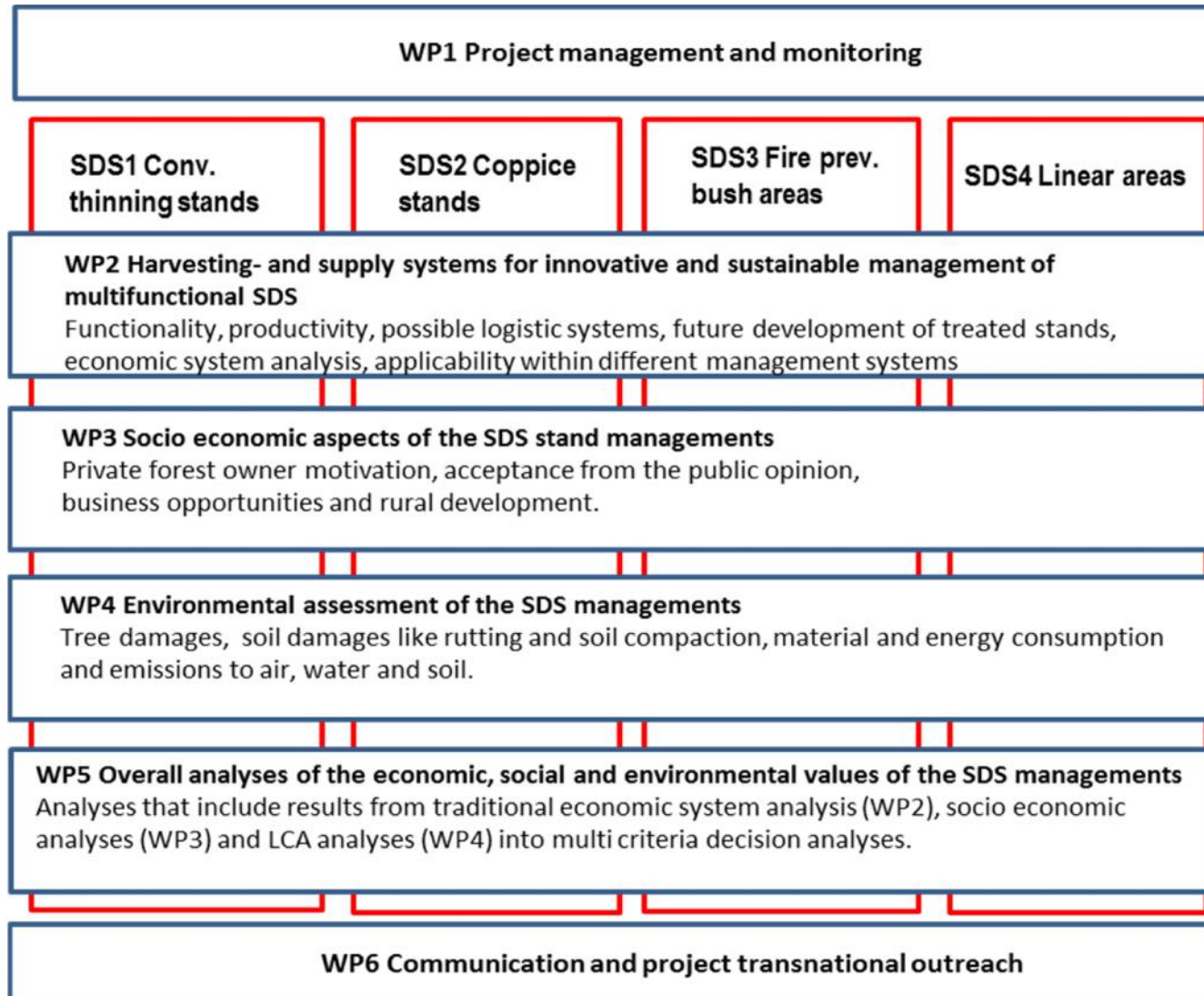
*The hypothesis are that Small Diameter Stand (SDS) management and the studied techniques have an interesting innovation potential in terms of economy, social acceptance, sustainability, SME business opportunities and rural development especially if identified bottlenecks are solved.*



## **In the long-term, our aims are to:**

- 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.**

# SMALLWOOD Project WPs



# The project focuses on four stand types

- 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”
- 2) Combined harvesting and chipping technique





# Contribution of SMALLWOOD to the development of the forest based value chain

The Smallwood project will contribute to the transforming of the global economy from a dependence on fossil fuels and non-renewable materials to a sustainable bio-based economy

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The Smallwood project has a high degree of originality and degree of innovation, as it brings together aspects such as **technique and working method developments** with **forest owner motivation** as well as **SME business development**, **environmental impacts** and **forest fire risk mitigation** into one project that focuses on a specific forest biomass.





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