Dendromass 4 Europe

Partners

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www.ikea.com
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www.pulp-tec.com

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www.wood-kplus.at
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www.ibe.cnr.it
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D4EU_project

Dendromass4Europe

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Securing Sustainable Dendromass Production with Poplar Plantations in European Rural Areas

D4EU

10 partners – 8 countries – 5 years – 1 project

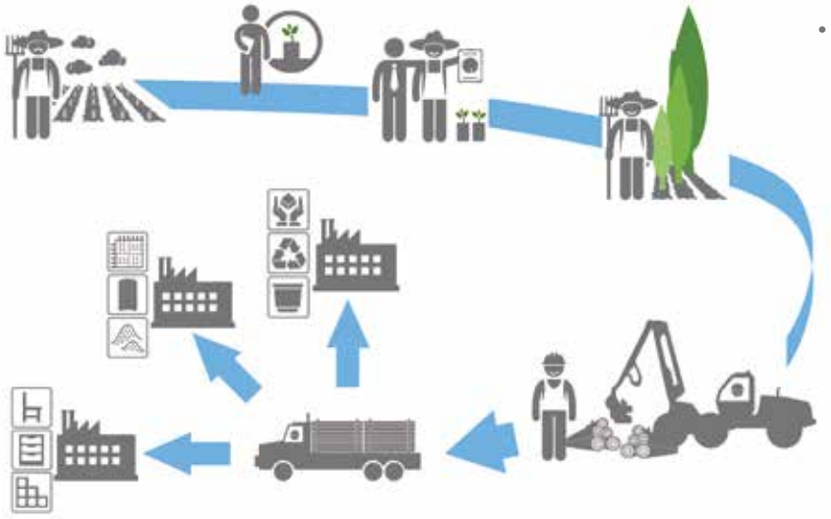
www.dendromass4europe.eu

About the project

Dendromass4Europe aims at establishing sustainable, Short Rotation Coppice (SRC)-based, regional cropping systems for agricultural dendromass production on marginal land.

The dendromass produced in SRC (ligneous biomass, bark and wood) will be supplied to dedicated bio-based value chains which will create additional job opportunities in rural areas.

The supply chains will be tailored for optimum efficiency of supply logistics and for reducing CO_2 emissions. Innovative bio-based materials will help to replace fossil-based materials.



Objectives

- Establishment and expansion of 2500 ha of short rotation poplar plantations on marginal or on currently unused agricultural land in rural areas
- Demonstration of the market introduction and the application of 4 New Bio-Based Materials (NBBM) linked to the establishment of 4 new bio-based value chains based upon separately adding higher value to the wood and the bark of the poplars
- Reduction of dendromass costs through the adaptation and optimisation of innovative harvesting and storage systems
- Implementation of dedicated monitoring and applied-level research to ensure plantation quality, production stability, optimum poplar variety selection and risk avoidance
- Validation of the expected positive ecological impacts by assessing the life cycles of the NBBMs along the value chains (life cycle assessment)

New bio-based materials

The various activities of the D4EU project consortium aim to generate profit for the rural economy on a regional scale through value adding processes and marketing activities that will allow access for innovative bio-based materials to specific consumer markets.

As a wood-based material, a functionally adapted lightweight board for furniture production is planned.

Moreover, three bark-based materials are planned: an eco-fungicidal moulded fibre pulp for packaging; bark enriched wood-plastic composite profiles and bark enriched wood-plastic composite granulates.