

## 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 (lignous 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 CO2 emissions. Innovative bio-based materials will help to replace fossil-based materials.

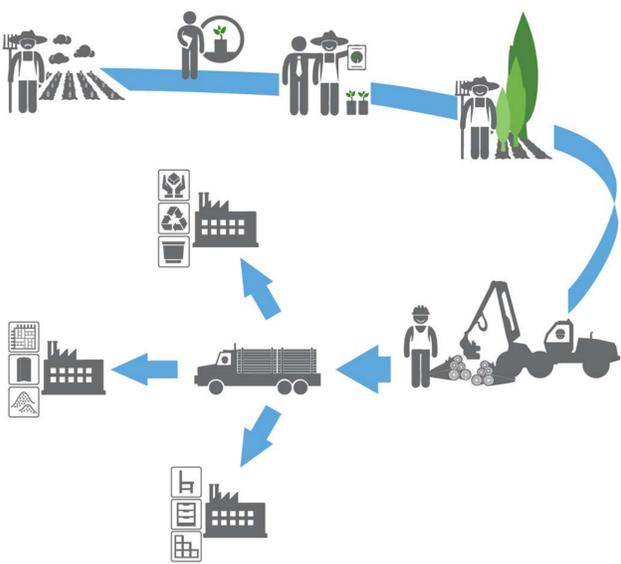


## New bio-based materials

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 biobased materials to specific consumer markets.

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

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



# D4EU

## Securing Sustainable Dendromass Production with Poplar Plantations in European Rural Areas



## Objectives

- Establishment and expansion of 2500 ha of short rotation poplar plantations on marginal or on currently unused agricultural land in rural areas
- Market introduction and the application of 4 new Bio-Based Materials (NBBM) linked to the establishment of 4 new bio-based value chains
- 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



## Partners

- Consiglio Nazionale Delle Ricerche (Italy)
- Daphne - Insitut of Applied Ecology (Slovakia)
- Energochemica Trading A.S. (Slovakia)
- Ikea Industry Slovakia S.R.O. (Slovakia)
- Kompetenzzentrum Holz GmbH (WOOD K Plus) (Austria)
- Ökoforestino KFT. (Hungary)
- Pulpack Sp. z o. o. Sp. k. (Poland)
- Sveriges Lantbruksuniversitet (Sweden)
- Technische Universität Dresden (Germany)



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