



BIO4PRODUCTS
Creating sustainable resources
for process industry

SPIRE-03-2016

Bio4Products

Full Title: 4x4, demonstrating a flexible value chain to utilize biomass functionalities in the processing industry

Aim:

The innovative approach of BIO4PRODUCTS is to apply a short thermal treatment at elevated temperature enabling the fractionation of the bio-resource, but keeping the key chemical functionalities in separate, depolymerized fractions. Within the project the process will be demonstrated in a 3 t/d demo-plant.

Concept:

BIO4PRODUCTS will demonstrate the use of the resulting intermediate processing streams for the production of wood preservation products, furanic resins, phenolic resins and roofing material as cost-effective renewable alternatives for fossil resources in the conventional products (30-100% substitution).

Start date:

01/09/2016

End date:

31/08/2020