

PREBIO

High performance pretreatment of lignocellulosic biomasses for sustainable biorefinery value chains

Duration 1.2.2015 - 30.6.2017

Budget 537 000 €

Project realizers and person in charge

Research groups at the University of Oulu:

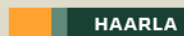
Applied Chemistry: Prof. Ulla Lassi, The person in charge of the project

Chemical Process Engineering: Prof. Juha Tanskanen

Fibre and Particle Engineering: Dr Ari Ämmälä and Dr Henriikki Liimatainen

Funding

In addition to the Council of Oulu Region granted EAKR-found and realizers internal financing, there is private sector founding in the project. Companies included in the project: Chempolis Oy, Corenso Oy, Haarla Oy, Savon Sellu Oy and Sievi Biofuels Oy .



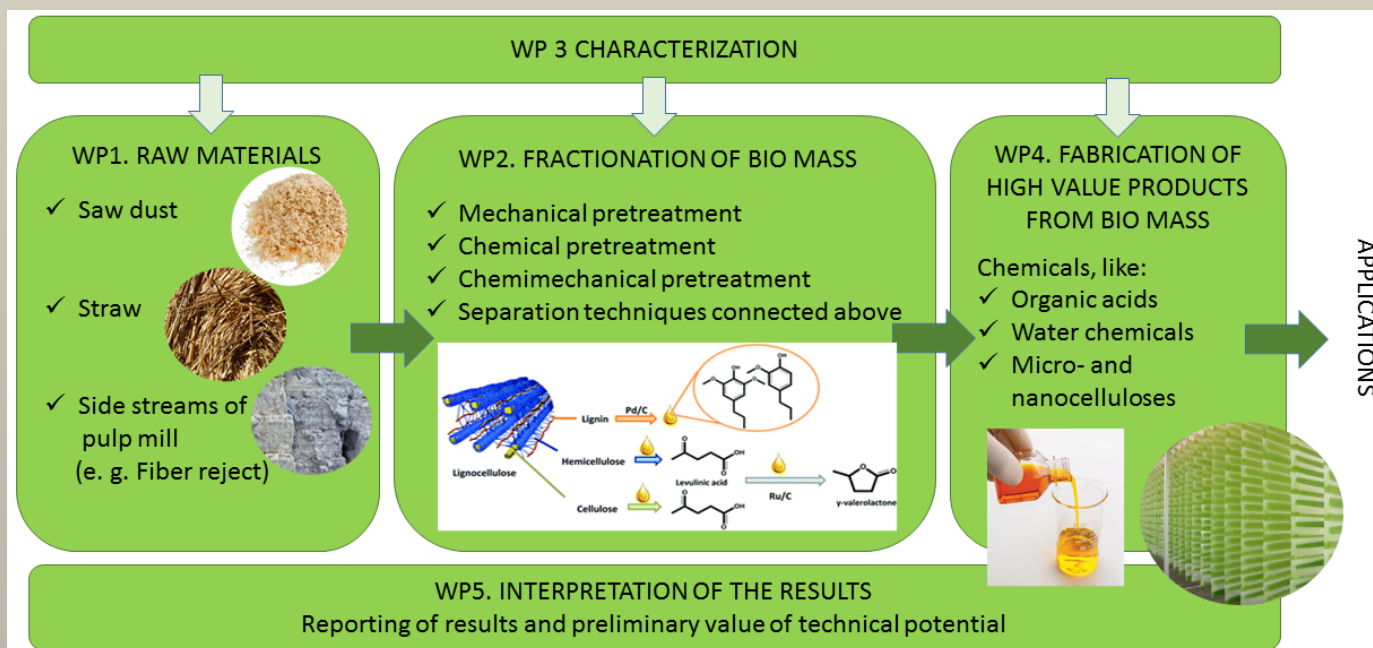
In PREBIO-project three pretreatment and separation methods are developed and demonstrated. These methods can be integrated into existing large-scale industrial processes or they can be used for distributed biorefinery concepts in the smaller scale.



Objectives of the project:

- A new, competitive concept for biomass selective pretreatment, which enables increased material efficiency to utilize local biomass and waste biomass from industry
- Increased opportunities to local companies to improve material and energy efficiency (low carbon)
- High value-added products and new production technology for the SME sector, which is also competitive in the international market and enables new business
- New competence and new infrastructure for the University of Oulu in the field of bioeconomy research

The procedure of the PreBio-project



Additional information of the project:

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