

FRACTION project presentation



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Process modelling and simulation | Life cycle studies | End-of-life testing



CSIC



2nd GENERATION LIGNOCELLULOSE



Agricultural residue



Old corrugated cardboard



Dedicated crops



Hardwood and softwood

10 different types of biomass tested, sole, and combined, wet or dry

CSIC



GVL/WATER FRACTIONATION



- High biomass loading
- Feedstock flexibility
- Closed solvent loop
- Adjustable yield and high purity of streams



TRL3 in lab scale, scaling to TRL4-5

Successful scale up to 1 kg/d of biomass processing, >95% purity of lignin, > 90% purity of hemicellulose, >90% purity of cellulose

HEMICELLULOSE VALORISATION



CELLULOSE VALORISATION



LIGNIN VALORISATION



Communication and Dissemination | Outline of industrial innovation business plan for technology transfer





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