



FRACTION



Novel lignocellulose fractionation process for high purity lignin, hemicellulose and cellulose valorisation into added value products.

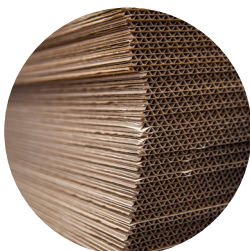


Bio-based Industries
Consortium

Horizon 2020
European Union Funding
For Research & Innovation

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Establishing 14 new bio-based value chains, by creating a new feedstock, seven new fractionation and conversion technologies and six new end products



OBJECTIVES

1

Raising TRL level of GVL recovery and stream utilization

2

Environmental objectives contribute to EU's climate neutral by 2050 strategy

3

Reduced costs increase the economic and are in line with sustainable industry

4

Circular economy solutions provide well-being for society



The FRACTION project delivers several impacts that will contribute to the wider goals of the BBI JU. These will include

- Creating five new interconnections in the bio-based economy, namely between the feedstock providers – agri-food, forestry and pulp and paper – and the bio-industries as well as three between the bio-industries and the end users of bio-based building blocks.
- Establishing 14 new bio-based value chains, by creating a new feedstock, seven new fractionation and conversion technologies and six new end products.
- Validating six chemical building blocks derived from lignin and hemicellulose.
- Validating the advances in readiness levels of various technologies. These will be in the GLV organosolv – from TRL3 to TRL5. It will also progress the downstream innovations to synthesize chemical building blocks, and end products are mostly taken from TRL3 to TRL4.



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Project duration 06/2021-05/2024

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