



Horizon Europe Brokerage Event
Cluster 6 Calls 2024

Brussels, 26 September 2023

Industrial residue and Waste Biomass Upcycling to Biochemicals

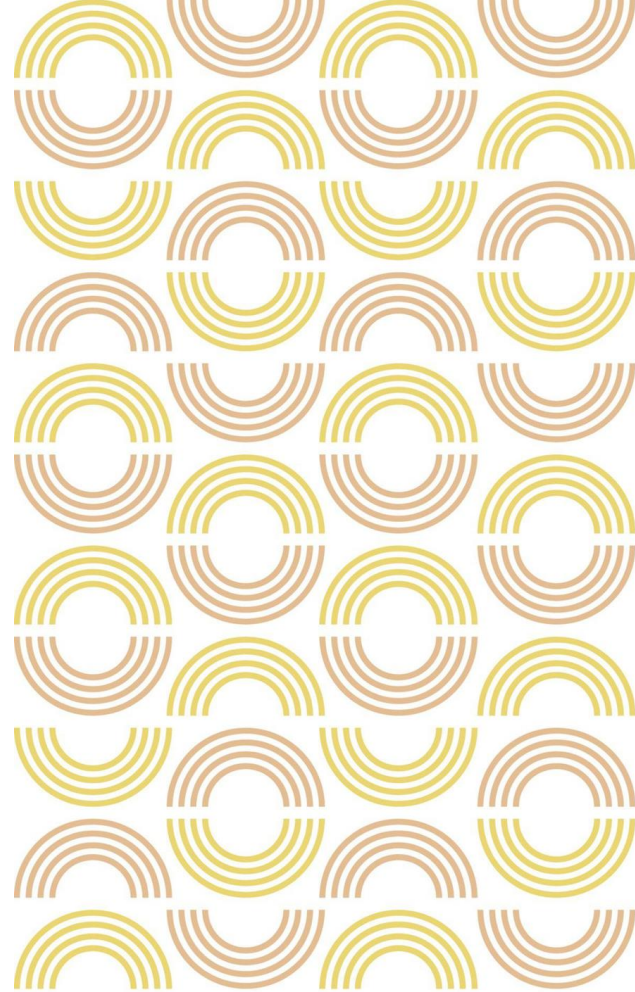
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Topic(s) addressed:

- CircBio-01-3: production of upcycled biochemicals for furniture adhesives.
- CircBio-02-2-two-stage: pilot scale testing of more circular plastics.
- CircBio-02-6-two-stage: demonstrating and integrating at pilot scale.
- ZEROPOLLUTION-01-2: recovering nutrients in a pilot bio-refinery setting.
- ZEROPOLLUTION-02-2-two-stage: exploring a novel technology for cascade residual biomass valorisation.

Project idea

We study and develop technology aimed at valorizing industrial residues and waste biomass.

Through exploring potential new feedstock streams and end-use applications, we want to ensure that value is recovered and upcycled. We currently **target the displacement of fossil-derived and food-competitive chemicals** in large polymer-synthesizing industries such as construction and furniture sectors.

We are able to test and **experiment at commercially-relevant scale at our pilot facility (1 t/day)** and want to integrate waste streams and conversion technologies via industrial symbiosis.

Main expertise offered

- R&D Engineering expertise across several fields: automation, chemical, electrical, mechanical. Pilot production facility in Cyprus.
- Role in project: partner



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