



UPLIFT

sustainable PLastics
for Food & drinks packaging industry



This Project has received funding from the European Union's Horizon 2020 Research and Innovation Programme under Grant Agreement N. 953073.



■ DESCRIPTION:

- The overall idea of UPLIFT is to biologically depolymerize bio- and fossil-based plastic packaging waste and convert it into more renewable and easily upcyclable polymers, following a biorefinery approach. UPLIFT will address the full plastic packaging value chain, from monomer production to packaging material manufacturing and back to EoL reusing and recycling options.





IMPACTS

UPLIFT

1

Contribution to upcycle F&D packaging materials which account for, at least, 60% of the market by 2030

2

Novel standards and certification schemes to be applied

3

Delivery of novel plastic packaging solutions with less environmental impact

4

Contribution to bring the European plastic packaging industry in the forefront of innovations and sustainability worldwide



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OBJECTIVES

The main objective of UPLIFT is the development of a circular plastic packaging value chain in the F&D sector by applying novel eco-design strategies and biochemical upcycling technology routes.

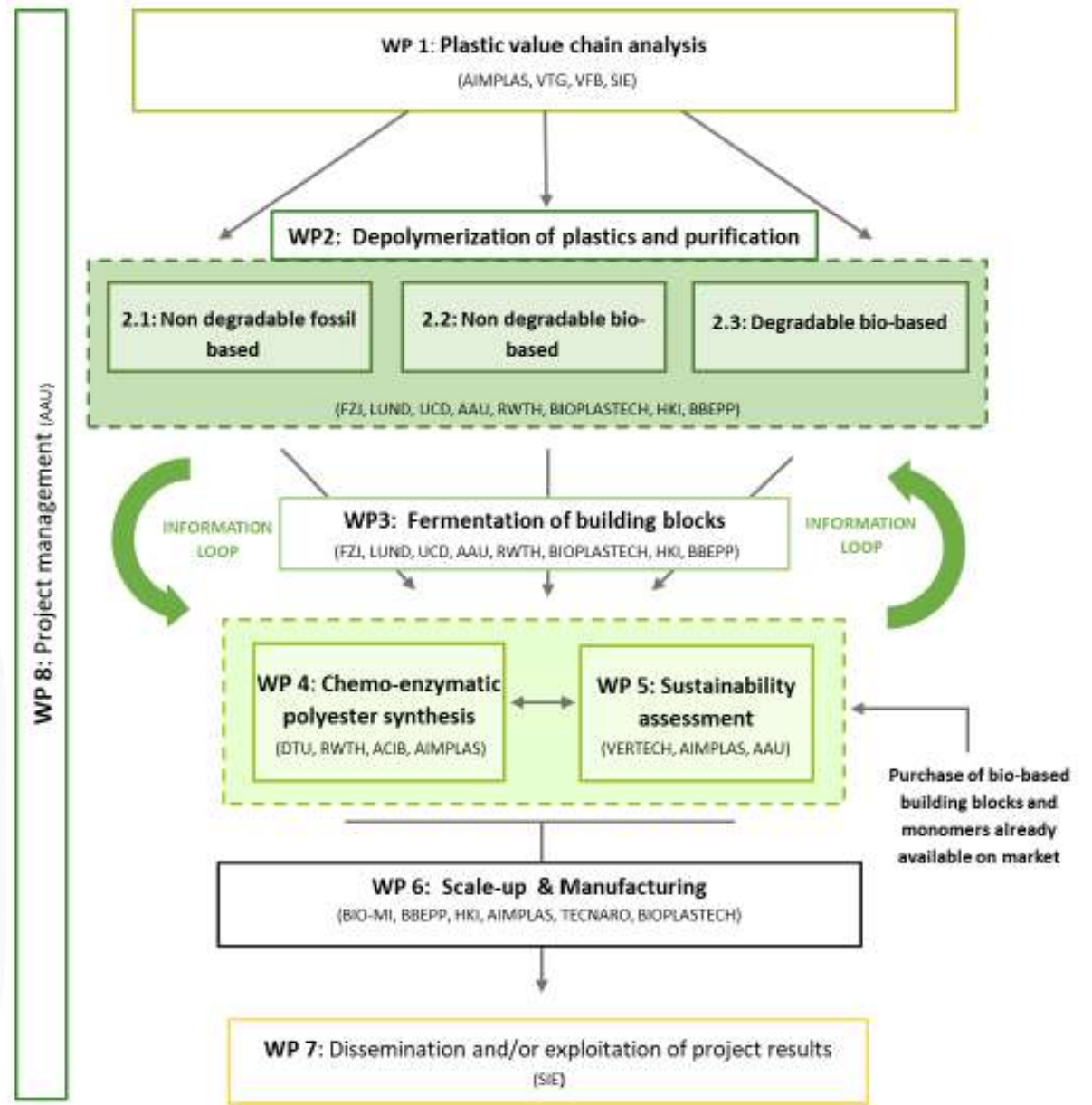
To this end, the vision of the project revolves around two main axes:

- 1) to combine bio-depolymerization of plastics and bio-based building blocks to obtain smarter and renewable plastic materials, which will enable the effective upcycling of plastic packaging waste streams.
- 2) to fully integrate the bio-chemical upcycling technologies within already existing and more mature recycling processes and fermentation processes. All these prototype materials and processes will be tested in a relevant operational scale close to expected performance (TRL 6).



METHODOLOGY

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PROJECT PARTNERS



AALBORG UNIVERSITY



LUNDS
UNIVERSITET



Bio Base Europe
Pilot Plant



Bioplastech



VESTFORBRÆNDING



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UPLIFT-EU project



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