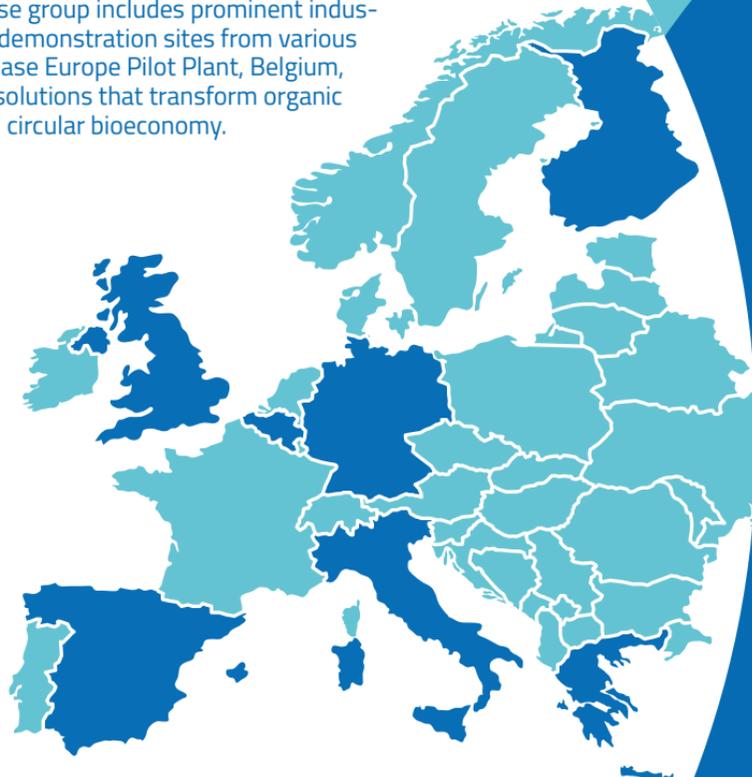


# PARTNERSHIP

The **LUCRA** consortium is a collaborative effort comprising ten project partners, each bringing their unique expertise to the table. This diverse group includes prominent industrial players, esteemed research institutions, and key demonstration sites from various European countries. Guided by the leadership of Bio Base Europe Pilot Plant, Belgium, the consortium is dedicated to pioneering innovative solutions that transform organic waste into bio-succinic acid, driving sustainability and circular bioeconomy.



ΓΕΩΝΟΜΙΚΟ ΠΑΝΕΠΙΣΤΗΜΙΟ ΑΘΗΝΩΝ  
AGRICULTURAL UNIVERSITY OF ATHENS



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Circular Bio-based Europe  
Joint Undertaking



Co-funded by the European Union



UK Research and Innovation

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**LUCRA**  
BIO SUCCINIC ACID

Sustainable **sUCC**inic acid production using an integr**ated** electrochemical bioreactor and renewable feedstock

# ABOUT LUCRA

The EU project **LUCRA** is dedicated to reshaping the production of succinic acid. Funded by the Circular Bio-based Europe Joint Undertaking (CBE JU)

At its core, LUCRA is focused on one fundamental goal: demonstrating the technical and economic feasibility of turning organic waste into bio-succinic acid on a pre-industrial scale. This versatile building block holds the key to biobased innovation across a multitude of industries, including packaging, personal care, food & beverage, textiles, agriculture, and automotive.

Driven by cutting-edge thermal and enzymatic technologies, innovative fermentation processes, and revolutionary electrochemical methods, LUCRA, is forging a path toward a sustainable, resource-efficient, and circular bio-economy. It's a journey that promises economic feasibility and a brighter, more eco-friendly future.



07/2023 – 06/2027

CBE JU contribution: 4.682.743,25 €

# OBJECTIVES

**LUCRA** tackles the challenge of finding sustainable alternatives to fossil-based building blocks. As the demand for bio-based chemicals soars across industries, this project offers a pathway to reduce dependence on conventional chemicals derived from depleting petroleum sources.

- Use of organic municipal solid waste and wood side stream as feedstocks
- Demonstrating the large-scale production of bio-based succinic acid
- Production of bio-based succinic acid and implementation of a synergistic treatment of relevant waste and side streams as key alternative. Products/ Applications: polyurethane dispersions and powder coating resins
- Reduced waste, valorisation of side streams, lower environmental impact, providing a sustainable alternative to fossil-based resources
- Creation of new jobs, business models, training, social acceptance



# IN SHORT

