BioLaMer PROJECT FLYER

European Innovation Council

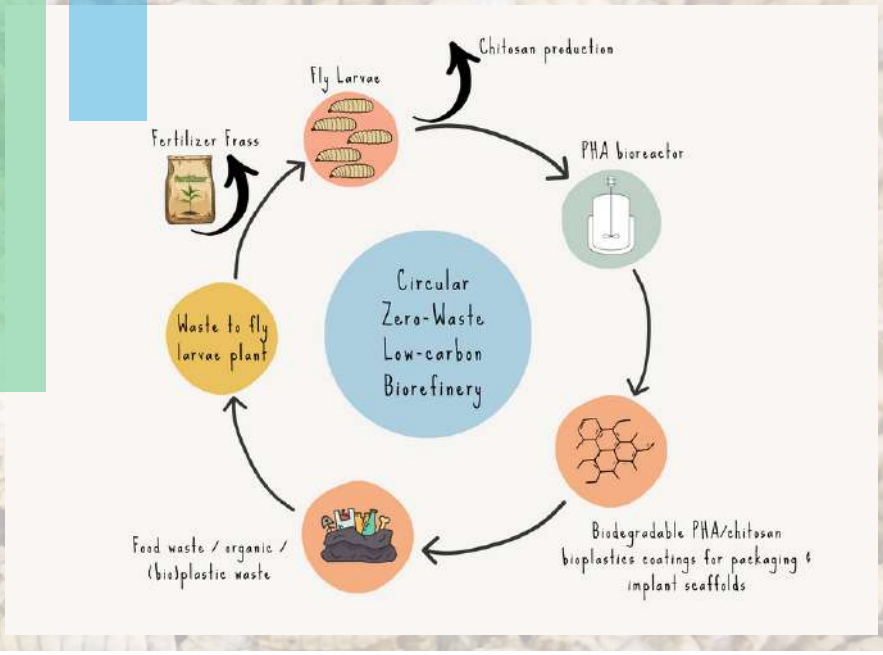
Co-funded by the European Union

BioLaMer

BioLaMer project targets to address the food waste and the petrochemical plastics challenges by introducing a new value chain that begins with the utilization of unavoidable low-grade food waste.

Towards this, BioLaMer will demonstrate an innovative proof of principle fly larvae biorefinery process by establishing food eating black soldier fly larvae (*Hermetia illucens*) as a novel feedstock for the synthesis of biopolymers - polyhydroxyalkanoates (PHA) and chitosan, as well as demonstrate the synthesis of value added bioplastics from these biopolymers.

BioLaMer is an EIC Pathfinder Open project supported & funded by European Innovation Council



CURRENT ENVIRONMENTAL SCENARIO

FOOD WASTE

Globally, 1.3 billion metric tonnes of food that is intended for human consumption is wasted every year.

GHG EMISSIONS

According to Eurostat 2023, 16% of the total Greenhouse gas (GHG) emission is due to the food waste that end up in landfills.

PLASTIC DEBRIS

Due to inadequate management, the plastic waste has already entered as microplastics into our food, water and ecosystem.

IMPACT OF PROJECT


Embrace Sustainability


Promote biodegradable plastics

Reduce carbon footprint

Turning trash into treasure


Foster circularity

RECENT DEVELOPMENTS


Advancement in Packaging Material Innovation (Soak Pad Technology for extending food shelf life)


Unabsorbed

Absorbed

All-natural super absorbent material developed in BioLaMer

Trinity College Dublin, Coláiste na Tríonóide, Baile Átha Cliath, The University of Dublin

TransfoLAB BCN center for trash investigation

NOVA id

Universidade Lusófona

Alma Mater Studiorum Università di Bologna

aqua | in silico

HEI-Lab Digital Human-Environment Interaction Labs

socline tech

Follow us @

https://biolamer.eu/