

## **Joint Partner Search – Horizon Europe Collaboration Opportunity**

### **Main objective of the joint collaboration**

To develop and validate advanced sustainable plastic waste valorisation strategies (mechanical, chemical, and organic routes), supported by real-case comparative Life Cycle Assessment (LCA) and systemic sustainability frameworks, contributing to the circular economy and the zero pollution goals of the European Green Deal.

### **MATS – Universitat de València (Spain)**

- Stability and long-term properties of polymer materials. Application of standardised and accelerated simulated service conditions. Follow-up of physico-chemical performance.
- End-of-life strategies based on chemical recycling, aided by neoteric solvents, such as ionic liquids and deep eutectic solvents.
- Valorisation of biomass into lignocellulosic fractions, i.e. celluloses CNF, CNC, hemicelluloses and lignin.
- Development of polymeric and composite materials for packaging and environmental applications.
- Expertise in advanced materials and membrane technologies.
- Experience in pilot-scale validation and functional testing of materials.

### **AMIBM – Maastricht University (The Netherlands)**

- Biogenic carbon accounting through the new framework of Biobased Materials and products-Life Cycle Assessment ([BBM-LCA](#)).
- Circulatory Assessment through [the CIRCULAR pathway](#).
- Techno-economic analysis (TEA) including [Exergy](#) and [Pinch](#) Analyses.

### **Finnova Foundation (Belgium/Spain)**

- 15 years of experience in EU project writing and management.
- Expert in Communication, Dissemination, Exploitation and Stakeholder Engagement.
- Involvement in several LIFE, Horizon Europe and Interreg projects (e.g., [LIFE NextFUMIGREEN](#), [LIFE ECODIGESTION 2.0](#), [RES4CITY](#) and [One Blue](#)).
- Strong network across public authorities, SMEs, clusters and start-ups in environmental innovation.