

BioPackMan project launches to advance the future of sustainable packaging

27 June 2025 | The BioPackMan project, funded by the European Union's Horizon Europe research programme, was officially launched with a **two-day Kick-off Meeting** held in Athens (Greece) on June 25th and 26th, 2025.

The event gathered all consortium partners, marking the official start of this four-year research initiative aimed at **redefining the future of packaging** through bio-based, biodegradable, and recyclable materials.

The global packaging industry faces growing pressure to transition from fossil-based plastics to sustainable alternatives. BioPackMan (acronym of "Biodegradable packaging materials advancing circularity, sustainability & eco-innovation") addresses this challenge by developing **next-generation** biodegradable polymers, sustainable additives, and safe-by-design processing technologies. The goal is to create high-performance materials for flexible and rigid packaging that maintain durability and safety while **minimizing environmental impact**.

The project integrates **machine learning, advanced modelling, and hybrid simulations** to digitally design and test packaging materials before production — a process that reduces experimental waste, accelerates innovation, and enhances circularity. Through this approach, BioPackMan aims to bridge the gap between research and industrial application, supporting **Europe's transition toward a circular and resource-efficient packaging ecosystem**.

Coordinated by the **National Technical University of Athens (NTUA)**, the consortium brings together **19 partners** from different European countries, including leading research institutions, industrial innovators, and SMEs. The Kick-off Meeting introduced the project's objectives, work plan, and early milestones, focusing on materials development, validation, sustainability assessment, and communication strategies to ensure broad visibility and engagement with stakeholders across Europe.

The **BioPackMan website** (www.biopackman.eu) is now online, providing an overview of the project's scope, partners, and activities. Updates, publications, and event information will be shared regularly, alongside dedicated outreach via **LinkedIn** ([biopackman](https://www.linkedin.com/company/biopackman)) and other communication platforms.

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PROJECT DETAILS:

Project Full Title

BIODEGRADABLE PACKAGING MATERIALS ADVANCING CIRCULARITY, SUSTAINABILITY & ECO-INNOVATION

Project Acronym

BioPackMan

Grant Agreement Number

101178576

Topic

HORIZON-CL4-2024-RESILIENCE-01-35

EU contribution

7.999 292,51 Euro

Start date of the project

1 June 2025

End date of the project

31 May 2029

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Project Website

<https://biopackman.eu/>