Funded by
the European Union

BIOMATTERS

Manufacturing technologies
for bio-based materials

Together, the six projects of the BIOMATTERS Cluster represent a complete bio-based manufacturing ecosystem:

From feedstock valorisation
NEW WAVE, Waste2BioComp, AMBIANCE

To process and technology innovation
BIO-UPTAKE, VITAL, GREEN-LOOP

To end-products and industrial demonstrations in construction, packaging, automotive, machinery, textiles, appliances, and marine sectors.

The BIOMATTERS Cluster is more than its projects: It is a driving force for European bio-based manufacturing innovation, building a bridge between research, industry, and society.

BIOMATTERS

AMBIANCE, BIO-UPTAKE, GREEN-LOOP, NEW WAVE, VITAL and Waste2BioComp have united under a shared goal: making sustainable processes and products a norm in the EU. Teaming up their resources and expertise, the six Horizon Europe projects form an awareness powerhouse that engages stakeholders and the public in the journey toward sustainable manufacturing.

Together, they aim to spotlight and address today's pressing challenges, utilising bio-based materials to generate innovative solutions.

Beyond individual achievements, the BIOMATTERS Cluster strengthens cooperation among EU-funded initiatives, amplifying research impact and driving collective progress toward a more sustainable and innovative future.

2023

Cluster Agreement signature


BIO-MATTER
COLLABORATION AGREEMENT
between

ambiance · BIO-UPTAKE · GREEN-LOOP · NewWave · VITAL · waste2biocomp

2024

Joint participation


EUBCE 2024
3rd European Biomass Conference & Exhibition
Marseille France · 24-27 June 2024

Plastic S3 congres
safe smart sustainable

2025

Final Event


BIOMATTERS
Manufacturing technologies for bio-based materials

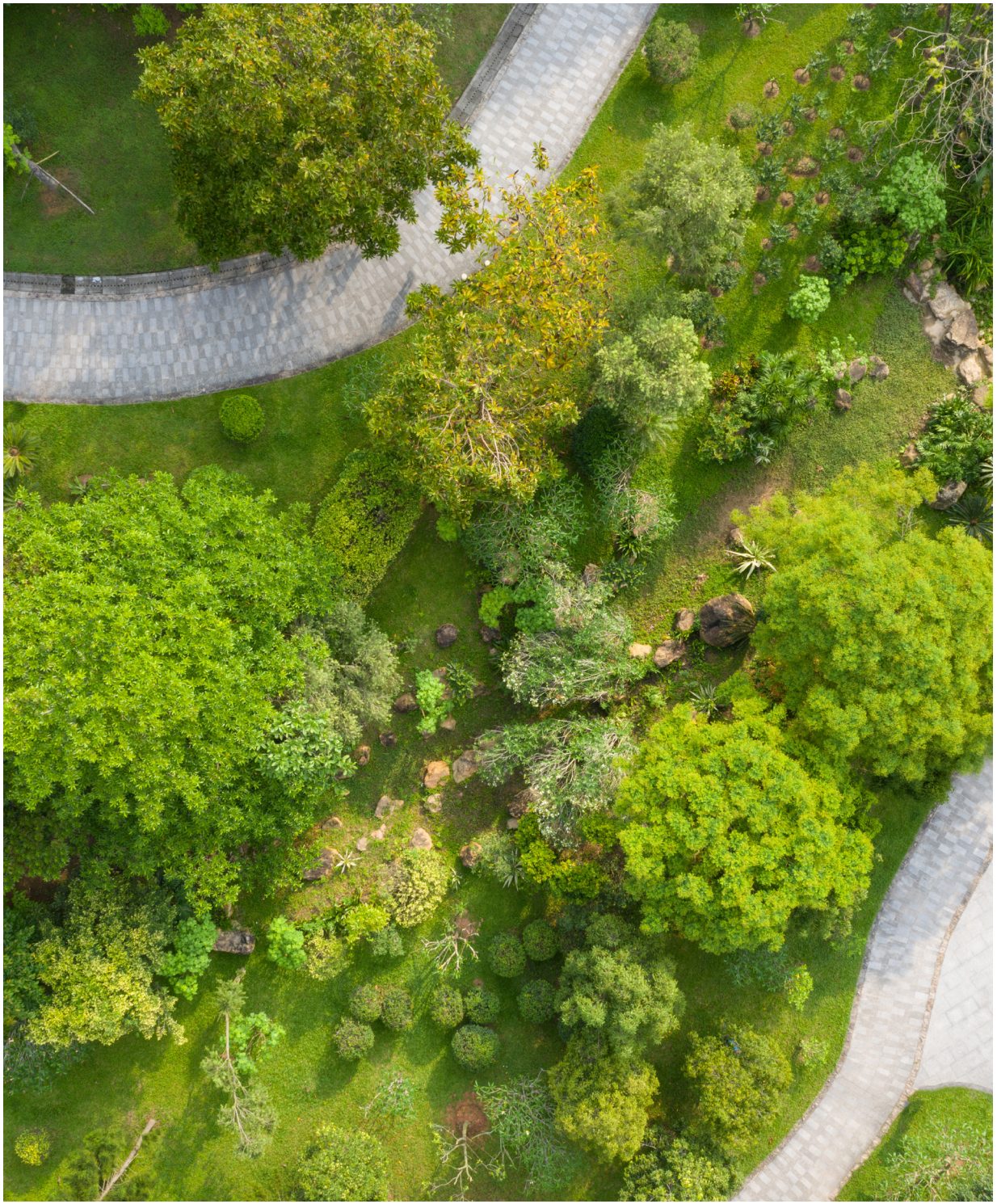
Contributing to a better Bioeconomy

1. Economic obstacles

2026

Projects' End

Position Paper



BIOMATTERS

Key aggregated outcomes

AMBIANCE

Up to 70% footprint reduction

GREEN-LOOP

Up to -60% production waste

VITAL

75,000 t CO_2 eq/year mitigation potential

BIO-UPTAKE

-30% CO_2 emissions and energy consumption compared to replaced materials

Waste2BioComp

>20 PHA types and 100% bio-based films, composites, and pigments