

Redefining Plastics, Shaping the Future.

consortium



Get in touch with us!

-  WOOD4PLASTIC
-  www.wood4plastic.eu
-  WOOD4PLASTIC Project



Funded by LIFE WOOD4PLASTIC-LIFE23-ENV-ESWOOD4PLASTIC with the contribution of the LIFE Programme of the European Commission



We introduce novel methods for converting these renewable resources into high-performance plastics, reducing environmental impact while ensuring cost-effective solutions.

Revolutionising Bioplastics

The WOOD4PLASTIC project emerges as an innovative solution for next-generation bioplastics. Developing This initiative aims to transform agroforestry residues into biodegradable and compostable materials with high-impact industrial applications.

How is done?

By extracting sugars and lignin from hardwood waste, we develop sustainable materials that replace fossil-based plastics, aligning with EU policies on bioeconomy, circular business models, and waste reduction. Our approach supports the new Circular Economy Action Plan and contributes to a cleaner, greener future.

Objectives

- Demonstrate the potential of sugars and lignin from hardwood waste for bioplastics.
- Optimise bio-BDO and bio-polyesters for industrial applications.
- Develop new biomaterials that match fossil-based plastic performance.
- Promote a circular economy and reduce plastic dependency.



Impact

By replacing fossil-based plastics with sustainable bio-based alternatives, we are taking a decisive step towards a cleaner, more sustainable future. Our project not only helps combat plastic pollution but also revitalises waste materials, turning them into valuable resources.

Transforming waste into value through cutting-edge bioplastic solutions.