

EMBEDED launches first Open Call to fund bio-based innovation from agricultural and forestry residues

- *Up to €300,000 available to support at least six projects testing and validating EMBEDDED bio-based materials and technologies in real-world environments.*
- *Successful applicants can receive up to €50,000 to develop new products, validate applications, and demonstrate circular bioeconomy solutions based on locally sourced biomass.*

Madrid, Spain. 25 May 2026 – The EMBEDDED project has launched its first Open Call, inviting farmers, SMEs, industrial actors, cooperatives, municipalities, and other eligible organisations to participate in the transition towards a circular and climate-positive bioeconomy.

Through a total budget of €300,000, EMBEDDED will fund at least six projects that demonstrate how underused agricultural and forestry residues can be transformed into valuable bio-based products and applications. Selected projects will receive up to €50,000 in lump-sum funding and will have nine months to validate innovative solutions in real operational environments.

The Open Call is built around EMBEDDED's core value proposition: enabling the local transformation of biomass residues into high-value bio-materials through modular and scalable technologies. By supporting practical demonstrations and market-oriented experimentation, EMBEDDED aims to accelerate the adoption of circular business models while strengthening regional value chains across Europe.

Participants will gain access to key technologies and materials developed within the project, including biochar produced from olive pits, sustainable bio-boards manufactured from cork residues, and a modular pyrolysis plant available for on-site experimentation. These resources offer applicants the opportunity to test innovative solutions while contributing to carbon sequestration, waste reduction, and resource efficiency.

Projects may focus on a wide range of applications, including the development of new bio-based products, validation of biochar and other EMBEDDED materials in agricultural or industrial settings, field trials using demonstration plants, or construction and design solutions aligned with the New European Bauhaus initiative. The common objective is to demonstrate technical feasibility, market potential, and scalability.

By supporting local experimentation, EMBEDDED seeks to generate evidence that sustainable bio-based materials can create economic value while reducing environmental impacts. Successful projects are expected to deliver validated applications, demonstrate clear pathways to adoption, and contribute to resilient regional bioeconomy ecosystems.

The Open Call is open to natural persons acting as primary producers, SMEs, industrial companies, municipalities, public bodies, and cooperatives capable of testing or integrating EMBEDDED technologies and materials in real-world conditions.

Applications will be accepted from 25 May 2026 **until 29 June 2026 at 16:00 CET** (Brussels time). Selected projects will begin implementation in October 2026 and run until June 2027.

Beyond financial support, participants will become part of a growing European community working to transform agricultural and forestry waste into valuable resources, helping to build more sustainable production systems and strengthen local economies.

Interested applicants can access the guidelines, technical specifications, and application templates through the [EMBEDED Open Call platform](#). Organisations and professionals wishing to learn more about the funding opportunities are encouraged to contact the project team and register their interest.

For more information about the EMBEDED project, visit our website (embedded.eu) or contact:

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About EMBEDED

EMBEDED is a Horizon Europe-funded project demonstrating how agricultural and forestry residues—including olive pomace, grape marc, cork bark and grass press-cake—can be transformed into valuable bio-based products through local, modular processing technologies. Across five pilot sites in Portugal, Spain, Ireland and the Czech Republic, the project is validating portable pyrolysis systems for the production of biochar and other bio-based materials, alongside innovative particleboards manufactured from cork residues. By combining biomass valorisation, carbon sequestration and regional value chains, EMBEDED supports the transition towards a circular and climate-neutral European bioeconomy.