Developing novel recycling technologies for complex plastic materials applying biotech solutions

Horizon Europe

PENDING

Code
HORIZON-CL6-2027-01-CIRCBIO-03

Scope
International

Location
Europe

Curator
Marlene Faria

FINANCIAL DETAILS

Support type
Non-Refundable

Maximum Funding Rate
100%

Budget
10M€

Eligible Project Value
Up to 5M€

DATES & DEADLINES

Publication Date
December 12, 2025

Opening Date
April 20, 2027

Deadline
September 22, 2027 at 05:00 PM GMT+2

DESCRIPTION

Objectives

This call aims to support the development of novel biotechnological solutions for recycling complex plastic materials, with a focus on advancing the circular economy and bio-based sectors in Europe. The objective is to enable the recycling of multi-material, multi-layer, and composite plastics, particularly in the packaging, construction, renewable energy infrastructure, and transport sectors. The call seeks to deliver environmental and societal benefits by making plastic products recyclable and suitable for high-value applications, equipping industrial value chains with improved waste characterisation, and introducing circular plastic products to the market. Eligible applicants include consortia involving industrial value chains and all relevant stakeholders, with legal entities from EU Member States and Associated Countries. Legal entities established in China are not eligible for this call.

Funding

The support is provided as a non-refundable grant (lump sum) under the Horizon Europe Research and Innovation Actions (RIA) scheme. The funding rate is up to 100% of eligible costs. Each grant is expected to be €5 million, with a total topic budget of €10 million and two grants anticipated.

ELIGIBLE EXPENSES

- Personnel Costs
- Travel costs
- Equipment costs
- Other goods, works and services costs
- Subcontracting
- Indirect Costs

BONUSES & MAJORATIONS

- Involvement of industrial value chains in consortia
- Integration of the Safe-and-Sustainable-by-Design framework
- Clustering with other Horizon Europe projects

ELIGIBILITY

Application Mode
Consortium / Copromotion

Eligible Sectors

- Industry
- Energy & Environment
- Construction
- Mobility & Transport
- Other

Company Typologies

- Micro
- SME
- Small Mid-Cap
- Mid-Cap
- Large
- Private non-profit entities
- Public entities

Action Types

- Development of novel biotech recycling solutions for complex plastics
- Pilot-scale demonstration involving the whole value chain
- Recommendations for regulatory risk assessments for new materials and recycling technologies
- Application of microbes and enzymes for enhanced plastic degradation
- Lifecycle assessment and evaluation of economic, environmental, and social impacts
- Clustering with other relevant Horizon Europe projects
- Research and Innovation Action

EU PROGRAMME DETAILS

Call ID
HORIZON-CL6-2027-01-CIRCBIO-03

Cluster
Cluster 6: Food, Bioeconomy, Natural Resources, Agriculture and Environment

Destination
D3. Circular economy and biobased sectors

Submission Mode
single-stage

EU Contribution
€5,000,000.00 per project

Expected Projects
2

Funding Rate Rule
Up to 100% of eligible costs for Research and Innovation Actions (RIA)

OFFICIAL LINKS

Official Regulation
https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-CL6-2027-01-CIRCBIO-03

Grantavia page
https://grantavia.com/en/incentives/developing-novel-recycling-technologies-for-complex-plastic-materials-applying-biotech-solutions

Schedule a meeting
https://calendly.com/filipa-silva-epsa/reuniao