Developing novel recycling technologies for complex plastic materials applying biotech solutions

Horizon Europe

PENDENTE

Código
HORIZON-CL6-2027-01-CIRCBIO-03

Âmbito
Internacional

Localização
Europa

Curadoria
Marlene Faria

DETALHES FINANCEIROS

Tipo de apoio
Fundo Perdido

Taxa Máxima de Financiamento
100%

Dotação
10M€

Valor Elegível do Projeto
Up to 5M€

DATAS E PRAZOS

Data de Publicação
12 de dezembro de 2025

Data de Abertura
20 de abril de 2027

Deadline
22 de setembro de 2027 às 17:00 GMT+2

DESCRIÇÃO

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.

DESPESAS ELEGÍVEIS

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

BÓNUS E MAJORAÇÕES

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

ELEGIBILIDADE

Modalidade de Candidatura
Consórcio / Copromoção

Setores Elegíveis

- Indústria
- Energia & Ambiente
- Construção
- Mobilidade & Transportes
- Outro

Tipologia de Beneficiário

- Micro
- PME
- Small Mid-Cap
- Mid-Cap
- Grande
- Entidades privadas sem fins lucrativos
- Entidades públicas

Tipos de Ação

- 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

DETALHES DO PROGRAMA UE

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HORIZON-CL6-2027-01-CIRCBIO-03

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

Destino
D3. Circular economy and biobased sectors

Modo de Submissão
single-stage

Contribuição UE
€5,000,000.00 per project

Projetos Esperados
2

Regra de Taxa de Financiamento
Up to 100% of eligible costs for Research and Innovation Actions (RIA)

LINKS OFICIAIS

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

Página no Grantavia
https://grantavia.com/pt/incentives/developing-novel-recycling-technologies-for-complex-plastic-materials-applying-biotech-solutions

Agendar reunião
https://calendly.com/filipa-silva-epsa/reuniao