Developing novel recycling technologies for complex plastic materials applying biotech solutions

Horizon Europe

IN ATTESA

Codice
HORIZON-CL6-2027-01-CIRCBIO-03

Ambito
Internazionale

Località
Europa

Curatore
Marlene Faria

DETTAGLI FINANZIARI

Tipo di supporto
Fondo perduto

Intensità Massima di Aiuto
100%

Budget
10M€

Valore di Progetto Ammissibile
Up to 5M€

DATE E SCADENZE

Data di Pubblicazione
12 dicembre 2025

Data di Apertura
20 aprile 2027

Deadline
22 settembre 2027 alle ore 17:00 GMT+2

DESCRIZIONE

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.

SPESE AMMISSIBILI

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

BONUS E MAGGIORAZIONI

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

IDONEITÀ

Modalità di Candidatura
Aggregata / Partenariato

Settori Idonei

- Industria
- Energia e Ambiente
- Edilizia
- Mobilità e Trasporti
- Altro

Tipologie Aziendali

- Microimpresa
- PMI
- Small Mid-Cap
- Mid-Cap
- Grande impresa
- Enti privati non profit
- Enti pubblici

Tipi di Azione

- 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

DETTAGLI PROGRAMMA UE

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

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

Destinazione
D3. Circular economy and biobased sectors

Modalità di Presentazione
single-stage

Contributo UE
€5,000,000.00 per project

Progetti Previsti
2

Regola dell'Intensità di Aiuto
Up to 100% of eligible costs for Research and Innovation Actions (RIA)

LINK UFFICIALI

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

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

Prenota un incontro
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