

Efficient energy input from renewable sources and energy management in the process industries (IA) (Processes4Planet and Innovative Advanced Materials for the EU partnerships)

Horizon Europe

● PENDING

Code

HORIZON-CL4-2027-02-MAT-PROD-32-two-stage International

Scope

Location

Europe

Curator

Marlene Faria

FINANCIAL DETAILS

Support type

Non-Refundable

Maximum Funding Rate

100%

Budget

52.5M€

Eligible Project Value

7M€ - 9M€

DATES & DEADLINES

Publication Date

Not defined

Opening Date

October 13, 2027

Fase 1

February 2, 2027 at 05:00 PM GMT+1

Fase 2

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

DESCRIPTION

Objectives

This topic aims to accelerate the decarbonisation of energy-intensive process industries by supporting the large-scale deployment and demonstration of innovative solutions enabling the efficient integration of renewable energy sources into industrial processes. Contributing to the objectives of the Green Deal Industrial Plan, the Processes4Planet Partnership and the EU's climate neutrality ambitions, the action seeks to reduce greenhouse gas emissions, improve energy efficiency and strengthen industrial competitiveness.

Projects are expected to demonstrate innovative technologies and systemic approaches that increase the flexibility, resilience and sustainability of industrial energy systems, while facilitating the transition away from fossil fuels. Particular emphasis is placed on the integration of renewable electricity, renewable fuels and innovative energy management solutions within industrial environments.

Funding

Funding is provided under a Horizon Europe Innovation Action (IA) within the Cluster 4 – Digital, Industry and Space programme. The topic has an indicative budget of €52.5 million, with the European Commission expecting to fund six projects. The expected EU contribution ranges between €7 million and €9 million per project, although proposals requesting different amounts may be considered where appropriately justified.

The topic follows a two-stage submission procedure, with a first-stage deadline of 2 February 2027 and a full proposal deadline of 2 September 2027.

As a Horizon Europe Innovation Action, the funding rate is generally up to 70% of eligible costs for for-profit entities and up to 100% for non-profit organisations, in accordance with Horizon Europe funding rules.

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ELIGIBLE EXPENSES

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

BONUSES & MAJORATIONS

- Market readiness
- Integration of sustainability and circularity
- Contribution to strategic EU policies

ELIGIBILITY

Application Mode
Consortium / Copromotion

Eligible Sectors

- Industry
- Energy & Environment
- Health & Life Sciences

Company Typologies

- SME
- Mid-Cap
- Large
- Non-business entities of the R&I system (ENESII)
- Private non-profit entities
- Public entities

Action Types

- Innovation Action
- Industrial Demonstration
- Technology Deployment
- Circular Economy Solutions
- Development of Advanced Materials

EU PROGRAMME DETAILS

Call ID	Cluster
HORIZON-CL4-2027-02-MAT-PROD-32-two-stage	4 - Digital, Industry and Space
Destination	Submission Mode
D1. Leadership in materials and production for Europe	Two-stage
EU Contribution	Expected Projects
Around €7.000,000.00 and €9.000,000.00 per project	6
Funding Rate Rule	
Up to 70% for Innovation Actions (up to 100% for non-profit entities only)	

OFFICIAL LINKS

Official Regulation

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-CL4-2027-02-MAT-PROD-32-two-stage?order=DESC&pageNumber=1&pageSize=50&sortBy=startDate&keywords=HORIZON-CL4-2027-02-MAT-PROD-32-two-stage&isExactMatch=true&status=31094501,31094502,31094503>

Grantavia page

<https://grantavia.com/en/incentives/efficient-energy-input-from-renewable-sources-and-energy-management-in-the-process-industries-ia-processes4planet-and-innovative-advanced-materials-for-the-eu-partnerships>

Schedule a meeting

<https://calendly.com/sandra-cardoso-epsa/reuniao>