

Large scale operational validation and upscaling of state-of-the-art (Generative) AI tools and models powering a next generation digital energy system

Horizon Europe

CODICE	AMBITO
HORIZON-CL5-2027-02-D3-24	Internazionale
LOCALITÀ	STATO
Europa	In Attesa
PROGRAMMA	CURATO DA
Horizon Europe	Marlene Faria
GENERATO IL	
25 settembre 2026	

Dettagli Finanziari

TIPO DI SUPPORTO	TASSO MASSIMO DI FINANZIAMENTO
Fondo perduto	100%
BUDGET	VALORE DI PROGETTO AMMISSIBILE
20M€	Up to 10M€

Date e Scadenze

DATA DI PUBBLICAZIONE

25 settembre 2026

DATA DI APERTURA

3 dicembre 2026

Fasi di Candidatura

- Fase unica: 31 marzo 2027 alle ore 15:00

Obiettivi

Objectives

This topic aims to accelerate the digitalisation of the European energy system through the large-scale validation and deployment of advanced Artificial Intelligence (AI) and Generative AI solutions for energy networks. Projects should improve real-time grid management, forecasting, balancing, consumer engagement and operational efficiency while ensuring secure, sustainable and resource-efficient AI applications. The call supports the development of a next-generation digital energy system powered by AI and aligned with EU digital and energy strategies.

Funding

The topic has an indicative budget of approximately €20 million , with the European Commission expecting to fund around 2 projects . The indicative EU contribution is approximately €10 million per project . Funding is provided through a Horizon Europe Innovation Action (IA) .

Spese Ammissibili

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

Idoneità

Settori Idonei

- Industria
- Energia e Ambiente
- ICT e Software

Tipologie Aziendali

- Microimpresa
- PMI
- Small Mid-Cap
- Mid-Cap

- Grande impresa
- Enti privati non profit
- Enti pubblici

Modalità di Candidatura

- Aggregata / Partenariato

Tipi di Azione

- Innovation Action

Dettagli Programma UE

ID BANDO

HORIZON-CL5-2027-02-D3-24

CLUSTER

Cluster 5: Climate, Energy and Mobility

DESTINAZIONE

Destination 3 : Sustainable, secure and competitive energy supply

MODALITÀ DI PRESENTAZIONE

Single-stage

CONTRIBUTO UE

around 10,000,000 EUR per project

PROGETTI PREVISTI

2

REGOLA DEL TASSO DI FINANZIAMENTO

Up to 70% for Innovation Actions (up to 100% for non-profit entities only)

Link Ufficiali

Regolamento Ufficiale:

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-CL5-2027-02-D3-24?order=DESC&pageNumber=1&pageSize=50&sortBy=relevance&keywords=HORIZON-CL5-2027-02-D3-24&isExactMatch=true&status=31094501,31094502,31094503>

Pagina Grantavia: <https://grantavia.com/it/incentives/large-scale-operational-validation-and-upscaling-of-state-of-the-art-generative-ai-tools-and-models-powering-a-next-generation-digital-energy-system>

Prenota un incontro: <https://bookings.cloud.microsoft/book/Prenotaunappuntamento@epsa.com/?ismsaljsauthenticated>