

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

CÓDIGO	ÂMBITO
HORIZON-CL5-2027-02-D3-24	Internacional
LOCALIZAÇÃO	ESTADO
Europa	Pendente
PROGRAMA	CURADORIA DE
Horizon Europe	Marlene Faria
GERADO EM	
25 de setembro de 2026	

Detalhes Financeiros

TIPO DE APOIO	TAXA MÁXIMA DE FINANCIAMENTO
Fundo Perdido	100%
DOTAÇÃO	VALOR ELEGÍVEL DO PROJETO
20M€	Up to 10M€

Datas e Prazos

DATA DE PUBLICAÇÃO

25 de setembro de 2026

DATA DE ABERTURA

3 de dezembro de 2026

Fases de Candidatura

- Fase única: 31 de março de 2027 às 15:00

Objetivos

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) .

Despesas Elegíveis

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

Elegibilidade

Setores Elegíveis

- Indústria
- Energia & Ambiente
- TIC & Software

Tipologia das Empresas

- Micro
- PME
- Small Mid-Cap
- Mid-Cap

- Grande
- Entidades privadas sem fins lucrativos
- Entidades públicas

Modalidade de Candidatura

- Consórcio / Copromoção

Tipos de Ação

- Innovation Action

Detalhes do Programa UE

ID DA CHAMADA

HORIZON-CL5-2027-02-D3-24

CLUSTER

Cluster 5: Climate, Energy and Mobility

DESTINO

Destination 3 : Sustainable, secure and competitive energy supply

MODO DE SUBMISSÃO

Single-stage

CONTRIBUIÇÃO UE

around 10,000,000 EUR per project

PROJETOS ESPERADOS

2

REGRA DE TAXA DE FINANCIAMENTO

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

Links Oficiais

Regulamento Oficial:

<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>

Página no Grantavia: <https://grantavia.com/pt/incentives/large-scale-operational-validation-and-upscaling-of-state-of-the-art-generative-ai-tools-and-models-powering-a-next-generation-digital-energy-system>

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