Large-Scale piloting of next-generation AI-driven digital platforms for a more affordable, secure and sustainable European energy system (IA) - Apply AI

Horizon Europe

OPEN

Code
HORIZON-BRIDGING-2027-01-12

Scope
International - Europe

Curator
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FINANCIAL DETAILS

Support type
Non-Refundable

Maximum Funding Rate
100%

Budget
15M€

Eligible Project Value
Up to 15M€

Bonuses & Majorations

- Involvement of at least 6 energy actors and 8 digital technology providers
- Participation of at least 4 mobility actors and 20 energy communities
- Geographic variability across at least 6 Member States or Associated Countries
- Use of open-source-based components to foster technological sovereignty

The call provides a single non-refundable grant of up to 15.000.000 EUR for one project. The total budget for the topic is 15.000.000 EUR. The funding covers eligible costs as defined in the Horizon Europe rules for Innovation Actions.

DATES & DEADLINES

Opening Date
October 20, 2026

Deadline
February 16, 2027 at 05:00 PM (104 days left)

OBJECTIVES

This call aims to strengthen Europe's technological leadership and sovereignty in the energy sector by supporting the large-scale piloting of next-generation AI-driven digital platforms for a more affordable, secure, and sustainable European energy system. The objective is to demonstrate that AI-enabled digital platforms can enable real-time coordination of distributed energy resources and cross-border flexibility services, improving grid utilisation, increasing renewable energy integration, and reducing system costs and emissions. The call is open to consortia involving energy operators, technology providers, public authorities, end users, research organisations, and other relevant stakeholders. Participation is limited to legal entities established in EU Member States, Iceland, Norway, and associated countries, with additional restrictions to avoid technological dependency on non-EU sources.

ELIGIBLE EXPENSES

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

ELIGIBILITY

Application Mode
Consortium / Copromotion

Company Typologies

- Micro
- SME
- Small Mid-Cap
- Mid-Cap
- Large
- Private non-profit entities
- Public entities

Action Types

- Large-scale piloting of AI-driven digital platforms for energy systems
- Operational pilots in at least six countries
- Integration of energy, digital, and mobility sectors
- Development and validation of cross-border digital infrastructures
- Implementation of open APIs and interoperability standards

- Participation in BRIDGE collaborative initiative
- Preparatory and structuring activities for deployment
- Market adoption and scaling of digital solutions
- Integration of research results into real-world pilots

EU PROGRAMME DETAILS

Call ID
HORIZON-BRIDGING-2027-01-12

Cluster
Horizontal Activities

Destination
Bridging Actions

Submission Mode
single-stage

EU Contribution
€15,000,000.00

Expected Projects
1

Funding Rate Rule
Up to 70% of eligible costs for Innovation Actions (IA); up to 100% for non-profit legal entities

OFFICIAL LINKS

Official Regulation
https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-BRIDGING-2027-01-12

Grantavia page
https://grantavia.com/en/incentives/large-scale-piloting-of-next-generation-ai-driven-digital-platforms-for-a-more-affordable-secure-and-sustainable-european-energy-system-ia-apply-ai

Schedule a meeting
https://calendly.com/filipa-silva-epsa/reuniao