

Data sharing to support the training and development of AI foundation models in the energy sector

Horizon Europe

CODE	SCOPE
HORIZON-CL5-2026-11-D3-23	International
LOCATION	STATUS
Europe	Pending
PROGRAM	CURATED BY
Horizon Europe	Marlene Faria
GENERATED AT	
July 11, 2026	

Financial Details

SUPPORT TYPE	MAXIMUM FUNDING RATE
Non-Refundable	100%
BUDGET	
30M€	

Dates & Deadlines

PUBLICATION DATE	OPENING DATE
August 4, 2026	August 4, 2026

Application Phases

- Fase única: December 1, 2026 at 05:00 PM

Objectives

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Projects are expected to enable effective and secure sharing and use of large energy datasets to support the development of advanced AI models. They should contribute to building open and interoperable AI foundation models that improve key energy system functions such as forecasting, grid management, renewable integration, and energy

Information curated by Grantavia. Always confirm final details in the official regulation before preparing an application.

efficiency. In addition, projects should enhance collaboration among energy stakeholders and ensure that data and AI solutions follow FAIR principles (findable, accessible, interoperable, reusable) beyond the project lifetime.

Scope

The action focuses on developing, training, and validating AI foundation models using large-scale and high-quality datasets for energy applications. Projects must demonstrate innovative data-sharing approaches, including secure and privacy-preserving solutions such as federated learning, data spaces, or synthetic data generation.

They are expected to build on existing European energy data initiatives and show clear access to relevant datasets from the start. Activities include designing scalable data governance frameworks, enabling interoperability between actors, and demonstrating AI applications in real energy use cases such as grid operation, demand forecasting, or flexibility management.

Projects should validate solutions through testing or pilot environments and deliver models and data strategies that remain usable, scalable, and operational after project completion.

Funding

This topic is an Innovation Action with a total budget of about €30 million, expected to fund a small number of large projects (around €10 million each). Funding can cover up to 100% of eligible costs through lump-sum grants.

Eligible Expenses

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

Eligibility

Eligible Sectors

- Energy & Environment

Company Sizes

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

Application Mode

- Consortium / Copromotion

Action Types

- Innovation Action

EU Programme Details

CALL ID

HORIZON-CL5-2026-11-D3-23

DESTINATION

Destination 3 – Sustainable, secure and competitive energy supply

EXPECTED PROJECTS

3

CLUSTER

5 – Climate, Energy and Mobility

EU CONTRIBUTION

30000000

FUNDING RATE RULE

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

Official Links

Official Regulation:

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-CL5-2026-11-D3-23?order=DESC&pageNumber=1&pageSize=50&sortBy=relevance&keywords=HORIZON-CL5-2026-11-D3-23&isExactMatch=true&status=31094501,31094502,31094503&programmePeriod=2021%20-%202027>

Grantavia page: <https://grantavia.com/en/incentives/data-sharing-to-support-the-training-and-development-of-ai-foundation-models-in-the-energy-sector>

Schedule a meeting: <https://calendly.com/ines-carreira-fi-group/reuniao>