Overview

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

Last updated 27 November 2026

Donor: European Commission

Reference: HORIZON-CL5-2026-11-D3-23

Deadline: 1 December 2026

Open

Purpose and scope

The European Commission funds this Innovation Action under Horizon Europe — Climate, Energy and Mobility Work Programme 2026–2027. It supports data sharing for developing, training and testing AI foundation models in the energy sector.

Funding

The estimated EU contribution is around EUR 10 million per proposal; proposals requesting different amounts are not precluded.

Priorities

Projects are required to develop, train and test advanced AI foundation models using extensive datasets to support energy-system digitalisation, including improved grid observability, supply-and-demand forecasting, storage, renewables integration, flexibility and energy efficiency.

Projects are required to conduct in-depth testing and validation of foundation models in laboratory demonstrators and real-life pilots, building on results and facilities of previously funded energy-sector AI testing and experimentation facilities. The programme requires ensuring AI models respect ethical, safety and security principles.

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A priority is to embed transparency, explainability and accountability by design, make efforts to avoid bias and ensure representative data.

Sources

ec.europa.eu - Official call

ec.europa.eu - Call document

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Salient One analysis. Official call documents and amendments govern the funding conditions.