

Energy efficiency and sustainability of AI data processing in Data Centres (IA)

Horizon Europe

CODE	SCOPE
HORIZON-CL4-2027-04-DATA-09	International
LOCATION	STATUS
Europe	Pending
PROGRAM	CURATED BY
Horizon Europe	Marlene Faria
GENERATED AT	
June 19, 2026	

Financial Details

SUPPORT TYPE	MAXIMUM FUNDING RATE
Non-Refundable	100%
BUDGET	ELIGIBLE PROJECT VALUE
39M€	Up to 10M€

Dates & Deadlines

PUBLICATION DATE	OPENING DATE
Not defined	November 17, 2026

Application Phases

- Fase única: March 18, 2027 at 04:00 PM

Objectives

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This Horizon Europe Innovation Action (IA) aims to improve the energy efficiency and sustainability of AI data processing in data centres, supporting both the EU's climate objectives and strategic digital autonomy. The call focuses on developing and demonstrating innovative technologies that reduce the energy and environmental footprint

of AI infrastructure while maintaining high-performance computing capabilities. Projects are expected to contribute to more sustainable, resilient and energy-efficient European data centres through advancements in cooling technologies, energy storage, workload optimisation and renewable energy integration.

Funding

The topic is funded as a Horizon Europe Innovation Action (IA) with an indicative budget of €39 million . The European Commission expects to fund approximately four projects , including three technology-focused projects and one project dedicated to establishing an open European pilot demonstration site. The call supports advanced-stage innovation activities aimed at accelerating industrial uptake and deployment of sustainable AI infrastructure technologies.

Eligible Expenses

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

Eligibility

Eligible Sectors

- ICT & Software
- Other

Company Sizes

- Micro
- Sme
- Small Mid-Cap
- Mid-Cap
- Large
- Non-business entities of the R&I system (ENESII)
- Private non-profit entities
- Public entities

Application Mode

- Consortium / Copromotion

Action Types

- Technology Development
- Demonstration Actions
- Digital Solutions Deployment
- Innovation Action

EU Programme Details

CALL ID

HORIZON-CL4-2027-04-DATA-09

CLUSTER

Digital, Industry and Space (Cluster 4)

DESTINATION

D2. Developing an agile and secure single market and infrastructure for data services and trustworthy artificial intelligence services

SUBMISSION MODE

Single-stage

EU CONTRIBUTION

Around €10,000,000.00 per project

EXPECTED PROJECTS

3

FUNDING RATE RULE

Up to 100% for non-profit entities, up to 70% for private sector participants

Official Links

Official Regulation:

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORI->

ZON-CL4-2027-04-DATA-09?order=DESC&pageNumber=1&pageSize=50&sortBy=relevance&keywords=HORI-
ZON-CL4-2027-04-DATA-09&isExactMatch=true

Grantavia page: <https://grantavia.com/en/incentives/energy-efficiency-and-sustainability-of-ai-data-processing-in-data-centres-ia>

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