

New approaches for decentralized, federated and sustainable AI data processing (RIA)

Horizon Europe

● PENDING

Code

HORIZON-CL4-2027-04-DATA-03

Scope

International

Location

Europe

Curator

Marlene Faria

FINANCIAL DETAILS

Support type

Non-Refundable

Maximum Funding Rate

100%

Budget

35M€

Eligible Project Value

Up to 17.5M€

DATES & DEADLINES

Publication Date

Not defined

Opening Date

November 17, 2026

Phase 1

March 18, 2027 at 05:00 PM GMT+1

DESCRIPTION

Objectives

The main objective of this incentive is to develop new approaches, tools, and techniques that address current limitations in centralised AI compute systems, such as restrictions in AI chip types, data quality, energy availability, and security. This measure targets legal entities in EU Member States and associated countries, aiming to offer decentralised and sustainable AI compute models that can leverage diverse hardware processing architectures across multiple infrastructures. Applicants must showcase technological advancements, focusing on distributed, decentralised, and federated AI architectures that surpass federated learning and scale across various computing environments through the whole AI model lifecycle.

Funding

The total budget for this call is 35,000,000 EUR, with an expected EU contribution of around 17,500,000 EUR per project and an indicative number of two projects to be funded. The call applies the Horizon

Europe Research and Innovation Action (RIA) funding rate of up to 100% for eligible costs, in accordance with Horizon Europe general rules. Minimum and maximum project values are not specifically set, but the expected contribution per project serves as strong guidance for applicants.

ELIGIBLE EXPENSES

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

ELIGIBILITY

Application Mode

Consortium / Copromotion

Eligible Sectors

- Industry
- Energy & Environment
- ICT & Software
- Health & Life Sciences
- Mobility & Transport
- Other

Company Typologies

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

Action Types

- Applied research
- Experimental development
- AI architecture demonstration
- Cloud-edge-HPC integration
- Sustainable data processing

- Energy efficiency innovation
- Research and Innovation Action

EU PROGRAMME DETAILS

Call ID

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Cluster

Cluster 4: Digital, Industry and Space

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 17 500 000 EUR per project

Expected Projects

2

Funding Rate Rule

Up to 100% of eligible costs for Research and Innovation Actions (RIA)

OFFICIAL LINKS

Official Regulation

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-CL4-2027-04-DATA-03?order=DESC&pageNumber=1&pageSize=50&sortBy=relevance&keywords=HORIZON-CL4-2027-04-DATA-03&isExactMatch=true&status=31094501,31094502,31094503>

Grantavia page

<https://grantavia.com/en/incentives/new-approaches-for-decentralized-federated-and-sustainable-ai-data-processing-ria>

Schedule a meeting

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