

Quantum Space Gravimetry topic

Horizon Europe

● IN ATTESA

Codice

HORIZON-CL4-2027-SPACE-03-71

Ambito

Internazionale

Località

Europa

Curatore

Marlene Faria

DETTAGLI FINANZIARI

Tipo di supporto

Fondo perduto

Tasso Massimo di Finanziamento

100%

Budget

29.2M€

Valore di Progetto Ammissibile

14M€ - 15M€

DATE E SCADENZE

Data di Pubblicazione

Non definita

Data di Apertura

9 marzo 2027

Fase unica

2 settembre 2027 alle ore 17:00 GMT+2

DESCRIZIONE

Objectives

This topic aims to strengthen Europe's leadership in quantum technologies for space applications by supporting the development of quantum space gravimetry systems capable of delivering highly precise measurements of the Earth's gravitational field. The action contributes to European strategic autonomy in Earth observation and environmental monitoring by advancing next-generation sensing technologies with applications in climate monitoring, water resource management, geological surveying and environmental protection.

Projects are expected to develop and validate innovative quantum gravimetry concepts, instruments and enabling technologies that can significantly improve measurement accuracy compared to existing solutions. Particular emphasis is placed on reducing technological risks and preparing future space missions that will exploit quantum sensing capabilities.

Funding

Funding is provided under a Horizon Europe Research and Innovation Action (RIA) within the Space Research and Innovation Programme. The topic has an indicative budget of €29.2 million, with the European Commission expecting to fund two projects. The expected EU contribution ranges between €14 million and €15 million per project, although proposals requesting different amounts may be considered where appropriately justified.

As a Horizon Europe Research and Innovation Action, projects are eligible for 100% funding of eligible costs, in accordance with Horizon Europe funding rules.

SPESE AMMISSIBILI

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

IDONEITÀ

Modalità di Candidatura

Aggregata / Partenariato

Settori Idonei

- Industria
- Energia e Ambiente
- ICT e Software
- Salute e Life Sciences
- Mobilità e Trasporti
- Economia Blu
- Aerospazio e Difesa

Tipologie Aziendali

- Microimpresa
- PMI
- Small Mid-Cap
- Mid-Cap
- Grande impresa
- Enti di ricerca
- Enti privati non profit
- Enti pubblici

Tipi di Azione

- Research and Innovation Actions (RIA)
- Innovation Actions (IA)
- Development of launch systems
- In-orbit servicing and manufacturing
- Earth observation and Copernicus applications
- Digitalization in the space sector
- Quantum technologies for space missions

DETTAGLI PROGRAMMA UE

ID Bando

HORIZON-CL4-2027-SPACE-03-71

Cluster

4. Digital, Industry and Space

Destinazione

D4. Open Strategic Autonomy in Developing, Deploying and Using Global Space-Based Infrastructure, Services, Applications and Data

Modalità di Presentazione

Single-stage

Contributo UE

Around €14.000,000.00 and €15.000,000.00 per project

Progetti Previsti

2

Regola del Tasso di Finanziamento

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

LINK UFFICIALI

Regolamento Ufficiale

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-CL4-2027-SPACE-03-71?order=DESC&pageNumber=1&pageSize=50&sortBy=relevance&keywords=HORIZON-CL4-2027-SPACE-03-71&isExactMatch=true&status=31094501,31094502,31094503>

Pagina Grantavia

<https://grantavia.com/it/incentives/quantum-space-gravimetry-topic>

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