

Digital solutions for autonomy for space transportation systems, design and simulation tools - Digital enablers and building blocks (Space Partnership)

Horizon Europe

● PENDING

Code
HORIZON-CL4-2027-SPACE-03-12

Location
Europe

Scope
International

Curator
Marlene Faria

FINANCIAL DETAILS

Support type
Non-Refundable

Maximum Funding Rate
100%

Budget
5M€

Eligible Project Value
2M€ - 3M€

DATES & DEADLINES

Publication Date
October 12, 2026

Opening Date
March 9, 2027

Fase única
September 2, 2027 at 05:00 PM GMT+2

DESCRIPTION

Objectives

This topic aims to strengthen Europe's technological leadership and strategic autonomy in the space sector by supporting the development and demonstration of digital solutions enabling autonomous space transportation systems. The action seeks to increase the autonomy, resilience, safety and operational efficiency of European launchers and space transportation infrastructures through the integration of advanced digital technologies.

Projects are expected to develop innovative solutions capable of supporting autonomous decision-making, mission management, monitoring, fault detection, predictive maintenance and operational optimisation,

contributing to the next generation of European space transportation systems and reducing dependence on non-European technologies.

Funding

Funding is provided under a Horizon Europe Innovation Action (IA) within the Space Research and Innovation Programme. The topic has an indicative budget of €5 million, with the European Commission expecting to fund two projects. The expected EU contribution ranges between €2 million and €3 million per project, although proposals requesting different amounts may be considered where appropriately justified.

As a Horizon Europe Innovation Action, the funding rate is generally up to 70% of eligible costs for for-profit entities and up to 100% for non-profit organisations, in accordance with Horizon Europe funding rules.

The funding is intended to support development, integration, testing and demonstration activities that bring innovative digital autonomy solutions closer to operational deployment in European space transportation systems.

ELIGIBLE EXPENSES

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

ELIGIBILITY

Application Mode

Consortium / Copromotion

Action Types

Innovation Action

Eligible Sectors

- Industry
- ICT & Software
- Aerospace & Defense

Company Typologies

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

EU PROGRAMME DETAILS

Call ID	Cluster
HORIZON-CL4-2027-SPACE-03-12	4 - Digital, Industry and Space
Destination	Submission Mode
D4. Open Strategic Autonomy in Developing, Deploying and Using Global	Single-stage
EU Contribution	Expected Projects
Around €2.000,000.00 and €3.000,000.00 per project	2
Funding Rate Rule	
Up to 70% for Innovation Actions (up to 100% for non-profit entities only)	

OFFICIAL LINKS

Official Regulation

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-CL4-2027-SPACE-03-12?order=DESC&pageNumber=1&pageSize=50&sortBy=relevance&keywords=HORIZON-CL4-2027-SPACE-03-12&isExactMatch=true&status=31094501,31094502,31094503>

Grantavia page

<https://grantavia.com/en/incentives/digital-solutions-for-autonomy-for-space-transportation-systems-design-and-simulation-tools-digital-enablers-and-building-blocks-space-partnership>

Schedule a meeting

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