

Horizon Europe 2022

Call factsheet



Future space ecosystems: on-orbit operations, preparation of orbital demonstration mission

The expected outcomes of this topic is to prepare a European pioneering, high-impact but low-cost orbital demonstration mission for On-Orbit Servicing (OOS) in 2025-2026 period that will demonstrate and showcase European know-how, support market generation, open new business opportunities, foster international cooperation and deliver a long-lasting impact in the future space ecosystem.

Scope:

- Prepare a low cost orbital demonstration mission integrating robotic and autonomy technologies and technical building blocks with high-impact on future commercial services applying and enhancing the European Operations Framework for OOS;
- Risk reduction of the intended pioneering orbital demonstration mission as well as at raise of confidence on OOS applications in general.

Topics:

- Contribute to prepare and showcase a future space ecosystem fostering the EU's space sector competitiveness;
- Further building on modularity and enabling on-orbit servicing, assembly, manufacturing and recycling;
- Facilitate a smooth transition between the short-term market needs and future commercial possibilities while respecting the protection of the in-space ecosystem.



The indicative budget for this category is EUR 26.00 (Million).

Reference:

HORIZON-CL4-2022-SPACE-01-11

Research and Innovation

Opening: Thu Oct 28 2021

Deadline: Wed Feb 16 2022

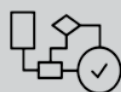
Call overview, Produced 01/10/2021. Visit our website www.opencalls.space

Countries



all

Technology



Orbital operations

Activities



Concept development, Risk mitigation, Market/ technology assessments

Contact



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