

Horizon Europe Funding Opportunities - 2023-2024

Cluster 4 - Digital, Industry and Space

Destination 5 - Open Strategic Autonomy in Developing, Deploying and Using Global Space-Based Infrastructures, Services, Applications and Data

ISERD is the interface between the Israeli government and the EU, for all the activities of the Framework Programme. Our goal is to promote the participation of Israeli entities in European research and innovation (R&I) activity and to increase Israel's scientific and industrial collaboration with the European R&I ecosystem. ISERD holds [events](#), information days, and invites you to follow our [newsletter](#), and [website](#) providing more information about funding opportunities

Horizon Europe (HEU)

[HEU](#) is a 95.5-billion-euro funding programme for R&I, that covers all major scientific and technological disciplines, and encourages collaborative projects (consortia) for a joint goal.

- Consortium –
 - ✓ At least 3 partners from 3 different countries participating in the programme
 - ✓ At least 1 partner must be from a member state (EU country)
 - ✓ A partner can be any legal entity – university, company, agency, end-user, government entity etc...
- Funding Tools –

Action	Funding*	Main Characteristics
RIA - Research & Innovation Action	100% + 25%	Basic and applied research , technology development and integration, testing and validation - small-scale prototype in laboratory or simulated environment. Usually low TRL (1-4)
IA - Innovation Action	70% + 25%	Prototyping , testing, demonstrating, piloting, large-scale product validation and market replication . Usually high TRL (5-8)
CSA - Coordination & Support Action	100% + 25%	Networking , coordination or support services , policy dialogues and mutual learning exercises and studies

* Non-profit: always 100% + 25% overhead

[TRL](#) - Technology Readiness Level - a scale to measure the maturity level of a technology

HEU Orientation
Presentation

Events

Previous Funded
Projects

Cluster 4 Work
Programme

For further information:

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Destination 5 - Open Strategic Autonomy in Developing, Deploying and Using Global Space-Based Infrastructures, Services, Applications and Data:

Expected impacts:

- **Open strategic autonomy in developing, deploying and using global space-based infrastructures, services applications and data**, including by reinforcing the EU's independent capacity to access space, securing the autonomy of supply for critical technologies and equipment, and fostering the EU's space sector competitiveness.

Notes:

- **TRL** - Technology Readiness Level - a scale to measure the maturity level of a technology
- **Lump-sum** - Funding procedure aimed to simplify budget allocation by removing the need to report actual costs
- **Non-eligible** - Participation of entities from Israel is prohibited
- **Eligibility (partnership)** - Participation is limited only to members of the partnership
- **Eligibility (case by case)** - Participation of entities from Israel will be discussed on a case by case basis
- **Eligibility** - Participation is somewhat limited, should check specifically before applying

Topic	Expected TRL	Topic Budget [M€]	Action	Deadline [dd.mm.yyyy]
2023 Call Call opening: 22.12.2022				
Foster competitiveness of space systems				
HORIZON-CL4-2023-SPACE-01-11: End-to-end Earth observation systems and associated services	5-6	10.1 (1-2.5 per project) (Lump-sum)	IA	28.03.2023
HORIZON-CL4-2023-SPACE-01-12: Future Space Ecosystem and Enabling Technologies	Area 1: 4-6 Area 2: 3-5	15 (0.5-2.5 per project) (Lump-sum)	RIA	28.03.2023
HORIZON-CL4-2023-SPACE-01-13: Future Space Ecosystem: Management and Coordination Activity	-	2 (~2 per project) (Lump-sum)	CSA	28.03.2023
Reinforce EU capacity to access to space				
HORIZON-CL4-2023-SPACE-01-21: Low cost high thrust propulsion for European strategic space launchers - technologies maturation including ground system tests	7 Non-eligible	20 (~20 per project)	RIA	28.03.2023
HORIZON-CL4-2023-SPACE-01-22: New space transportation solutions and services	5-6 Non-eligible	23.1 (4-10 per project)	RIA	28.03.2023
HORIZON-CL4-2023-SPACE-01-23: Modern, flexible and efficient European test, production and launch facilities	5-7 Non-eligible	10 (2-5 per project)	RIA	28.03.2023

Topic	Expected TRL	Topic Budget [M€]	Action	Deadline [dd.mm.yyyy]
Evolution of services: Copernicus				
HORIZON-CL4-2023-SPACE-01-31: Copernicus for Atmosphere and Climate Change, including CO2	5-6	8.6 (2-3 per project) (Lump-sum)	RIA	28.03.2023
HORIZON-CL4-2023-SPACE-01-32: Copernicus for Emergency Management	6	3 (~3 per project) (Lump-sum)	RIA	28.03.2023
HORIZON-CL4-2023-SPACE-01-33: Copernicus in-situ component	5-6	2 (~2 per project) (Lump-sum)	RIA	28.03.2023
HORIZON-CL4-2023-SPACE-01-34: Copernicus for Marine Environment Monitoring	5-6	5 (~5 per project) (Lump-sum)	RIA	28.03.2023
Innovative space capabilities: SSA, GOVSATCOM, Quantum				
HORIZON-CL4-2023-SPACE-01-62: Quantum Communication Technologies for space systems	5-6 Non-eligible	5 (2-2.5 per project) (Lump-sum)	RIA	28.03.2023
HORIZON-CL4-2023-SPACE-01-63: Quantum Space Gravimetry Phase-A Study	3 Non-eligible	3 (1-1.5 per project) (Lump-sum)	RIA	28.03.2023
Targeted and strategic actions supporting the EU space sector				
HORIZON-CL4-2023-SPACE-01-71: Scientific exploitation of space data	3-4	10.7 (1-1.5 per project)	RIA	28.03.2023
HORIZON-CL4-2023-SPACE-01-72: Space technologies for European non-dependence and competitiveness	5-8 Non-eligible	20 (2-3 per project) (Lump-sum)	RIA	28.03.2023
2024 Call Call opening: 21.11.2023				
Evolution of services: Copernicus				
HORIZON-CL4-2024-SPACE-01-35: Copernicus for Land and Water	5-6	4 (1.5-2 per project) (Lump-sum)	RIA	20.02.2024
HORIZON-CL4-2024-SPACE-01-36: Copernicus for Security	5-6 Non-eligible	8 (~4 per project) (Lump-sum)	RIA	20.02.2024

Topic	Expected TRL	Topic Budget [M€]	Action	Deadline [dd.mm.yyyy]
Innovative space capabilities: SSA, GOVSATCOM, Quantum				
HORIZON-CL4-2024-SPACE-01-64: Quantum Space Gravimetry Phase-B study & Technology Maturation	6-7 Non-eligible	14.2 (~14 per project)	RIA	20.02.2024
Targeted and strategic actions supporting the EU space sector				
HORIZON-CL4-2024-SPACE-01-73: Space technologies for European non-dependence and competitiveness	5-8 Non-eligible	20.1 (2-3 per project) (Lump-sum)	RIA	20.02.2024
Other Actions Not Subject to Calls for Proposals				
Management and Coordination of the European partnership Globally Competitive Space Systems	- Eligibility (partnership)	1.5	-	-
HORIZON-CL4-2024-SSA-SST-MS: New & improved EUSST Missions and Services	6-7 Non-eligible	6	RIA	2024
HORIZON-CL4-2024-SSA-SST-AE: SST & STM system architecture and evolutions	6-7 Non-eligible	6	RIA	2024
HORIZON-CL4-2024-SSA-SST-SB: Space-based SST (mission, system and sensors network)	6-7 Non-eligible	10	RIA	2024
HORIZON-CL4-2024-SSA-SST-SP: SST Sensors and Processing	6-7 Non-eligible	27.5	IA 45% funding rate	2024
HORIZON-CL4-2024-SSA-SST-SD: SST Networking, Security & Data sharing	6-7 Non-eligible	7	RIA	2024
Public procurement: EGNSS Evolution: Mission and Service-related R&D activities	- Eligibility (case by case)	5	PCP	-
Public procurement: Space conferences, outreach, studies and other activities	-	0.5	PCP	-
Indirectly managed actions delegated to ESA (European Space Agency)				
2023-2024-EGNSS Evolution: Technology and infrastructure-related R&D activities	- Eligibility (case by case)	86	-	-

Topic	Expected TRL	Topic Budget [M€]	Action	Deadline [dd.mm.yyyy]
2023-2024 Secure Connectivity/GOVSATCOM Space infrastructure: Development and Validation	- Eligibility (case by case)	48.6	-	-
2023-2024 Secure Connectivity/GOVSATCOM Upstream technology R&D activities	- Eligibility (case by case)	10	-	-
In Orbit Demonstration/Validation (IOD/IOV) service	-	26.1	-	-
Space Weather and Near-Earth Objects	-	5.7	-	-
Indirectly managed actions delegated to EUSPA (EU Agency for the Space Programme)				
2023-Innovation activities for improved EGNSS operation and service provision	- Eligibility (case by case)	5	-	-
Support European "New Space" entrepreneurship through CASSINI Space Entrepreneurship Initiative 2021-2027 – CASSINI Business Accelerator	-	8.5	PCP	-
Support European "New Space" entrepreneurship through CASSINI Space Entrepreneurship Initiative 2021-2027 – CASSINI Hackatons & Mentoring	-	4.8	PCP	-
Support European "New Space" entrepreneurship through CASSINI Space Entrepreneurship Initiative 2021-2027 – CASSINI myEUSpace	-	1	PCP	-
Tender evaluation, project monitoring and audits (EGNSS/Copernicus downstream)	-	1	-	-
Indirectly managed actions delegated to EUSPA - Strategic autonomy in developing, deploying and using global space-based infrastructures, services, applications and data 2022				
Call Opening: 03.11.2022				
HORIZON-EUSPA-2022-SPACE-02-61: GOVSATCOM Service developments and demonstrations	- Non-eligible	9.1 (1-1.5 per project)	RIA	02.03.2023
HORIZON-EUSPA-2022-SPACE-02-51: EGNSS applications for Smart mobility	7-9	9.5 (2-3 per project)	IA	02.03.2023

Topic	Expected TRL	Topic Budget [M€]	Action	Deadline [dd.mm.yyyy]
HORIZON-EUSPA-2022-SPACE-02-52: Public sector as Galileo and/or Copernicus user	-	5.2 (2.6-5.2 per project)	PCP	02.03.2023
HORIZON-EUSPA-2022-SPACE-02-56: Designing space-based downstream applications with international partners	3-4	5.1 (0.5-1 per project)	RIA	02.03.2023
HORIZON-EUSPA-2022-SPACE-02-55: Large-scale Copernicus data uptake with AI and HPC	5	9.6 (2-3 per project)	RIA	02.03.2023
HORIZON-EUSPA-2022-SPACE-02-54: Copernicus downstream applications and the European Data Economy	Start: 5 End: 8	9.6 (2-3 per project)	IA	02.03.2023
Indirectly managed actions delegated to EUSPA - Development of applications for Galileo, EGNOS and Copernicus				
Call Opening: 10.2023				
HORIZON-EUSPA-2023-SPACE-01-41: EGNSS - Transition toward a green, smart and more secure post-pandemic society	7-9	3.5 (1.5-2.5 per project)	IA	02.2024
HORIZON-EUSPA-2023-SPACE-01-42: EGNSS - Closing the gaps in mature, regulated and long lead markets	7-9	8 (1.5-2.5 per project)	IA	02.2024
HORIZON-EUSPA-2023-SPACE-01-43: Copernicus-based applications for businesses and policy-making	2	7 (1-2 per project)	RIA	02.2024
HORIZON-EUSPA-2023-SPACE-01-44: The Galileo PRS service for governmental authorised use cases	5-7 Eligibility	9 (1-2 per project) (Lump-sum)	IA	02.2024
HORIZON-EUSPA-2023-SPACE-01-45: Joint Test Activities for Galileo PRS service	6-7 Eligibility	3 (1.5-3 per project) (Lump-sum)	IA	02.2024
HORIZON-EUSPA-2023-SPACE-01-46: Designing space-based downstream applications with international partners	3-4 Eligibility	6 (0.8-1 per project) (Lump-sum)	RIA	02.2024
Indirectly managed actions delegated to EUSPA - Innovative space capabilities: SSA, GOVSATCOM, Quantum				
Call Opening: 10.2023				
HORIZON-EUSPA-2023-SPACE-01-61: EU GOVSATCOM for a safer and more secure EU	7-9 Non-eligible	10 (3-4 per project)	IA	02.2024