

Horizon Europe Survival Kit

**Národný kontaktný bod pre Klaster 4
(Priemysel a vesmír)**

Mgr. Martin Krug



Spolufinancovaný
Európskou úniou



PROGRAM
SLOVENSKO



MINISTERSTVO
ŠKOLSTVA, VÝSKUMU,
VÝVOJA A MLÁDEŽE
SLOVENSKEJ REPUBLIKY

Horizont Európa

Ako vyzerajú výzvy?

Call - STRATEGIC AUTONOMY IN DEVELOPING, DEPLOYING AND USING GLOBAL SPACE-BASED INFRASTRUCTURES, SERVICES, APPLICATIONS AND DATA 2023

HORIZON-CL4-2023-SPACE-01

Conditions for the Call

Indicative budget(s)²⁸¹

Topics	Type of Action	Budgets (EUR million)	Expected EU contribution per project (EUR million) ²⁸²	Indicative number of projects expected to be funded
		2023		
Opening: 22 Dec 2022				
Deadline(s): 28 Mar 2023				
<u>HORIZON-CL4-2023-SPACE-01-11</u>	IA	10.10 ²⁸³	1.00 to 2.50	5
HORIZON-CL4-2023-SPACE-01-12	RIA	15.00 ²⁸⁴	0.50 to 2.50	7
HORIZON-CL4-2023-SPACE-01-13	CSA	2.00	Around 2.00	1
HORIZON-CL4-2023-SPACE-01-21	RIA	20.00 ²⁸⁵	Around 20.00	1
HORIZON-CL4-2023-SPACE-01-22	RIA	23.10 ²⁸⁶	4.00 to 10.00	4
HORIZON-CL4-2023-SPACE-01-23	RIA	10.00 ²⁸⁷	2.00 to 5.00	3
HORIZON-CL4-2023-SPACE-01-31	RIA	8.60 ²⁸⁸	2.00 to 3.00	3

HORIZON-CL4-2023-SPACE-01-11: End-to-end Earth observation systems and associated services

<u>Specific conditions</u>	
<i>Expected EU contribution per project</i>	The Commission estimates that an EU contribution of between EUR 1.00 and 2.50 million would allow these outcomes to be addressed appropriately. Nonetheless, this does not preclude submission and selection of a proposal requesting different amounts.
<i>Indicative budget</i>	The total indicative budget for the topic is EUR 10.10 million.
<i>Type of Action</i>	Innovation Actions
<i>Eligibility conditions</i>	The conditions are described in General Annex B. The following exceptions apply: If projects use satellite-based earth observation, positioning, navigation and/or related timing data and services, beneficiaries must make use of Copernicus and/or Galileo/EGNOS (other data and services may additionally be used).
<u><i>Technology Readiness Level</i></u>	Activities are expected to achieve TRL 5-6 by the end of the project – The reference TRL definition is the ISO 16290:2013 applicable to the space sector.
<i>Procedure</i>	The procedure is described in General Annex F. The following exceptions apply: To ensure a balanced portfolio covering all the areas described in the scope section, grants will be awarded to applications not only in order of ranking but at least also to one proposal that is the highest ranked within each area, provided that the applications attain all thresholds.
<i>Legal and financial set-up of the Grant Agreements</i>	The rules are described in General Annex G. The following exceptions apply: Eligible costs will take the form of a lump sum as defined in the Decision of 7 July 2021 authorising the use of lump sum contributions under the Horizon Europe Programme – the Framework Programme for Research and Innovation (2021-2027) – and in actions under the Research and Training Programme of the European Atomic Energy Community (2021-2025). ²⁹⁵

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Ako vyzerajú výzvy?

Expected Outcome

- opisuje očakávaný prínos a výsledky, ktoré má projekt priniesť pre Európu a spoločnosť
- Slúži ako referencia pre hodnotiteľov, či návrh prispeje k cieľom výzvy

Scope

- určuje rámec, hranice a hlavné smery riešenia
- Definuje témy, prístupy, technológie alebo ciele, ktoré má návrh pokrývať

*Horizon Europe - Work Programme 2023-2025
Digital, Industry and Space*

Expected Outcome: The expected outcomes of this topic will enable flexible satellite Earth-observation end-to-end systems as a strong subject to answer the new trends of a very dynamic market environment with high potential. Competitiveness will be strengthened by enhancing flexibility and reducing costs while maintaining or increasing the performance (e.g. autonomous, reconfigurable, high-capacity systems) and support debris mitigation by system design. The ability to face uncertainties, market evolutions and improving system availability and latency to deliver high-quality experience to end-users should be addressed.

Projects are expected to contribute to one or several of the following outcomes:

- Achieve and maintain the worldwide leadership for Earth Observation system;
- A flexible and competitive end-to-end system demonstration (at the minimum, breadboards realisation and validation on ground, in a representative E2E environment by 2027/28);
- Short to medium term disruptive development and maturation of key technologies (up to TRL 6/7) for high performance Earth observation;
- Contribute to European non-dependence for the development of Earth-observation technologies;
- Contribute to the European Green Deal.

This topic will contribute to develop and deploy global space-based services, applications and data, and therefore contributes to foster the European space sector competitiveness, as stated in the expected impact of this destination.

Scope: The areas of R&I, which need to be addressed to tackle the above-expected outcomes are:

- 1) R&I for Earth observation based on a network of small satellites with innovative capabilities, e.g. high revisit times, high reconfigurability, enhanced autonomy, high spatial resolution, including for video, seizing the full innovation potential of low cost and/or disruptive and sustainable approaches.
- 2) R&I on Satellite Data Management and Processing including image processing for end-to-end performance improvement (also with regards to power consumption, e.g. using AI, simplification of data management, data fusion, advanced processing units, mass memory) and on infrastructures and networks for ground processing and virtual network functions (e.g. inter-operability, massive data management, cloud processing, cybersecurity).
- 3) R&I to identify, develop and implement AI in industrial processes means fostering digitalisation (e.g. virtual design, digital twins, virtual testing, simulators) for Earth observation including software validation and verification in order to enhance overall end-to-end system performance, increase efficiency and reduce development and AIT time and costs in order to attain *Rapid Development, Production and Assembly Integration and Testing (AIT)* processes and operations support in satellite life cycle.

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Browse through EU funded projects and learn about the results. Invest in opportunities and get inspired by the highlights and success stories.

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Proposals and projects need evaluations, monitoring and domain specific knowledge advice from experts.

[Report fraud](#)

Ako sa nestratiť?

- Funding
- Procurement
- Project & Results
- News & Events
- Guidance & Documents
- CORDIS

Horizon Dashboard



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Horizon Dashboard



Implementation figures

This section presents an overview on evaluated proposals (incl. success rates) and detailed statistics and data on funded projects and their participants in EU R&I programmes, broken down by countries and regions, research domain, programme part, organisation type, etc.

[R&I Proposals](#)
[R&I Projects](#)

Country Profiles

Find out more about country-specific performance in EU R&I programmes, funding received, participations by region, top beneficiaries, collaboration with other countries, SME participation and more - all the information at your fingertips

[R&I Country Profiles](#)

Country Summary fiches and success stories are also available on the [Europa website](#)

Organisation Profile

Find out more about the performance of an organisation participating in EU R&I programmes: its projects, the amount of EU funds received, its collaborations.

[Organisation Profile](#)

Specific aspects

This section provides views on specific policy priorities:

Find out more about the EIC! The European Innovation Council (EIC) supports top class innovators, entrepreneurs, small companies and scientists with bright ideas and the ambition to scale up internationally.

[European Innovation Council \(EIC\) \(EIC3\)](#)

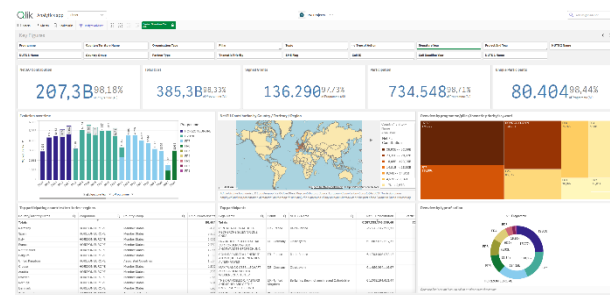
The [Seal of Excellence](#) is a quality label awarded to project proposals, which were evaluated to deserve funding but did not receive it due to the budgetary constraints. This view provides data on the awarded seals of excellence under the SME instrument, MSCA-IF and special COVID-19 response seal of excellence.

[Seal of Excellence](#)

Specific view presenting H2020 figures in the context of the international cooperation, notably percentage of third country participation in Horizon 2020, percentage of EU financial contribution attributed to third country participants and

Information and tutorials

- [Horizon Dashboard Quick Guide](#)
- [FAQ](#)
- [What is Horizon Dashboard?](#)
- [How to explore country profiles?](#)
- [Webinar on Key Features \(25 March 2020\)](#)
- [How to see H2020 participants?](#)
- [How to see SME participation in H2020?](#)
- [How to see Third Country participation in H2020?](#)
- [How to find details about specific H2020 participants?](#)
- [Get in touch](#)



Ako sa nestratit'?

- R&I Proposals
- R&I Projects
- Sheet
- Filtrovane

Eraportal/Horizont Európa

NÁRODNÁ
KANCELÁRIA
HORIZONTU



hľadaj

ESA PORTAL
EUROPEAN

Domov O programe Národné kontaktné body Partneri do konzorcií Aktuálne schôdzové výzvy Kvalifikačné financovanie Centrové granty Burzy partnerov

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November 2025						
PO	UT	ST	ST	PI	SO	NE
27.	28.	29.	30.	31.	1.	2.
3.	4.	5.	6.	7.	8.	9.
10.	11.	12.	13.	14.	15.	16.
17.	18.	19.	20.	21.	22.	23.
24.	25.	26.	27.	28.	29.	30.

I. PILIER

Excelentná veda

Európska rada pre výskum (ERC)

Akcie „Marie Skłodowska-Curie“

Výkonné infraštruktúry

II. PILIER

Globálne výzvy

Klaster 1: Zdravie

Klaster 2: Kultúra, tvorivosť a inkluzívna spoločnosť

Klaster 3: Civilná bezpečnosť pre spoločnosť

Klaster 4: Digitalizácia, priemysel a vesmír

Klaster 5: Klíma, energetika a mobilita

Klaster 6: Potravinárstvo, hospodárstvo, prírodné zdroje, poľnohospodárstvo a životné prostredie

Spoločné výskumné centrum (ERC)

III. PILIER

Inovatívna Európa

Európska rada pre inovácie (EIC)

Európske inovačné ekosystémy (EIE)

Európske inovačné a technologické inkubátory (ETI)

Ako sa nestratiť?

- Kontakty (NCPs)
- Partneri do konzorcií
- Cestovné granty
- Burzy partnerov

Ďakujem za pozornosť

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