Cluster 4. Digital, Industry and Space

Destination 5 – Open strategic autonomy in developing, deploying and using global space-based infrastructures, services, applications and data

Tandi Zsuzsanna
Space program NCP

NKFI Hivatal
Horizont Európa online webinárium, 2021. március 3.
A Horizont Európa Keretprogram szerkezete

€ 13,6 billion
(in current prices)

€ 95,5 billion
(HE budget in current prices)

**Pillar 1**
EXCELLENT SCIENCE
- European Research Council
- Marie Skłodowska-Curie Actions
- Research Infrastructures

**Pillar 2**
GLOBAL CHALLENGES & EUROPEAN INDUSTRIAL COMPETITIVENESS
- Health
- Culture, Creativity and Inclusive Society
- Civil Security for Society
  - Digital, Industry and Space
- Climate, Energy and Mobility
- Food, Bioeconomy, Natural Resources, Agriculture and Environment
- Joint Research Centre

**Pillar 3**
INNOVATIVE EUROPE
- European Innovation Council
- European innovation ecosystems
- European Institute of Innovation and Technology

WIDENING PARTICIPATION AND STRENGTHENING THE EUROPEAN RESEARCH AREA
- Widening participation and spreading excellence
- Reforming and Enhancing the European R&I system

**European Partnerships**
Max 50% of pillar II budget

**Missions**
Max 10% of pillar II budget
Destination 5.
Key Strategic Orientations

A ‘Promoting an open strategic autonomy by leading the development of key digital, enabling and emerging technologies, sectors and value chains to accelerate and steer the digital and green transitions through human-centred technologies and innovations.’

B ‘Restoring Europe’s ecosystems and biodiversity, and managing sustainably natural resources to ensure food security and a clean and healthy environment.’

C ‘Making Europe the first digitally led circular, climate-neutral and sustainable economy through the transformation of its mobility, energy, construction and production systems.’

D ‘Creating a more resilient, inclusive and democratic European society, prepared and responsive to threats and disasters, addressing inequalities and providing high-quality health care, and empowering all citizens to act in the green and digital transitions.’
This Destination is therefore structured along the following headings:

1. **Foster competitiveness of space systems**
2. Reinforce our capacity to access to space
3. **Evolution of Space and ground infrastructures for Galileo/EGNOS**
4. **Evolution of services for Galileo, EGNOS and Copernicus**
5. **Development of applications for Galileo, EGNOS and Copernicus**
6. **Innovative space capabilities: SSA, GOVSATCOM, Quantum**
7. **Space entrepreneurship ecosystems (incl. New Space and start-ups) and skills**
8. **Targeted and strategic actions supporting the EU space sector**
## Destination 5.

<table>
<thead>
<tr>
<th>Call</th>
<th>Budgets (EUR million)</th>
<th>Deadline(s)</th>
<th>Number of calls</th>
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<td>Overall indicative budget</td>
<td>157.30</td>
<td>133.60</td>
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</table>
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1. Foster competitiveness of space systems
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7. Space entrepreneurship ecosystems (incl. New Space and start-ups) and skills
8. Targeted and strategic actions supporting the EU space sector
<table>
<thead>
<tr>
<th>Topics</th>
<th>Type of Action</th>
<th>Budgets (EUR million)</th>
<th>Expected EU contribution per project (EUR million)</th>
<th>Number of projects expected to be funded</th>
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<tr>
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<td>End-to-end satellite communication systems and associated services</td>
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<td>Future space ecosystems: on-orbit operations, new system concepts</td>
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<td>Reusability for EU strategic space launchers - technologies and operation maturation including flight test demonstration</td>
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Opening: 06 May 2021
Deadline(s): 07 Sep 2021
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### HORIZON-CL4-2021-SPACE-01

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<tr>
<th>Topics</th>
<th>Type of Action</th>
<th>Budgets (EUR million)</th>
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<td>HORIZON-CL4-2021-SPACE-01-22</td>
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<td>Copernicus Climate Change Service evolution</td>
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<tbody>
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<td>Overall indicative budget</td>
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Köszönöm a figyelmet!

Tandi Zsuzsanna
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Nemzeti Kutatási, Fejlesztési és Innovációs Hivatal
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http://www.h2020.gov.hu/