

Cluster 4 - SPACE

Ondřej Mirovský, mirovsky@tc.cz
National contact point for SPACE



#HorizonEU



Pillar 2 – Cluster 4



EU Space policy



EU space policy - three flagship space programmes:

- [Copernicus](#) is a leading provider of Earth observation data. It helps save lives at sea, improves our response to natural disasters, and allows farmers to better manage their crops.
- [Galileo](#) is Europe's global satellite navigation system. It provides more accurate and reliable positioning and timing information for autonomous and connected cars, railways, aviation and other sectors. Galileo has been operational since December 2016 when it [started offering initial services](#) to public authorities, businesses and citizens.
- [EGNOS](#) (the European Geostationary Navigation Overlay Service) provides “safety of life” navigation services to aviation, maritime and land-based users over most of Europe. This positioning information is so precise that aircraft can use it to land safely. All services provided by EGNOS are fully operational and the number of users is growing.

Direct funding + support via H2020 – Horizon Europe

EU Space policy

- **Meeting key societal challenges:** EU space programmes provide public services to EU public authorities, companies and citizens. Space data is essential to answering societal challenges such as the sustainable consumption of natural resources, safety and security, and climate change.
- **Jobs and industrial growth:** The space sector provides over 230,000 jobs in the EU from manufacturing to space operations and downstream services. It is worth between €46-54 billion to the EU economy.
- **Ensuring EU autonomy:** Europe's access to space underpins the implementation of many EU policies, the competitiveness of European industry and businesses, as well as its security, defence and strategic autonomy. Space reinforces the role of Europe as a stronger global actor.



EU Space budget and topics

- €13,202 billion EUR for 2021 – 2027
- Further development of Copernicus and Galileo/EGNOS
- GOVSATCOM - European initiatives in satellite communication
- SSA - protection of space infrastructure from space debris



Space in Horizon Europe

Cluster 4 - SPACE in Destination 5

Key strategy targets

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

Work Programme 2021-2022

2021 call to be opened, **deadline – September 7, 2021**

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

- Infrastructures
- Applications

Infrastructures



- Foster competitiveness of space systems
- Reinforce EU capacity to access and use space
- Evolution of Copernicus services
- Innovative space capabilities: SSA, Govsatcom, Quantum
- Space entrepreneurship ecosystem (including "New Space" and start-ups) and skills
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Applications

Development of applications from the EU space programme components

- EGNSS and Copernicus applications fostering the European Green deal
- EGNSS applications for Safety and Crisis management
- EGNSS applications for the Digital Age

2021- 2020 budget

Call	Budgets (EUR million)		Deadline(s)
	2021	2022	
HORIZON-CL4-2021-SPACE-01	124.70		07 Sep 2021
HORIZON-CL4-2021-SPACE-02	32.60		07 Sep 2021
HORIZON-CL4-2022-SPACE-01		86.00	06 Sep 2022
HORIZON-CL4-2022-SPACE-02		47.60	06 Sep 2022
Overall indicative budget	157.30	133.60	

Possible areas of interest for CZ?

- Copernicus/Galileo applications (smart mobility, climate monitoring, emergency management, land monitoring service)
- Copernicus services evolution
- Public sector as Galileo and/or Copernicus user
- Space science and exploration technologies
- Space weather



NCP services

We are ready to help to find partners and help with the proposal.

COSMOS network (NCPs from all member states and associated countries).

Online events planned for 2021

mirovsky@tc.cz, 724 833 286





Technology centre CAS
Ve Struhách 1076/27, Praha 6 – Podbaba

www.horizontevropa.cz
Tel.: + 420 234 006 100
tc@tc.cz; horizont@tc.cz



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