



HORIZON EUROPE

Horizon Europe and more...

- Raymond Sluiter – NSO:
Expert PC DIS – Destination 5 “Space”
- Frank Winters - RVO:
National Contact Point Space





Horizon Europe Structure



Pillar 1 EXCELLENT SCIENCE

European Research Council

Marie Skłodowska-Curie Actions

Research Infrastructures



Pillar 2 GLOBAL CHALLENGES & EUROPEAN INDUSTRIAL COMPETITIVENESS

Clusters

- 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



End-to-end EO systems

New space transportation solutions and services

Reusability for European strategic space launchers

End-to-end satellite communication systems

Electrical Propulsion

Theme 2 - Reinforce EU capacity to access and use space

Theme 1 - Foster competitiveness of space systems

Cost reduction and improving flexibility of European launch systems

Low cost high thrust propulsion

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

Future space ecosystems: on-orbit operations: new system concepts

Pillar 2 – Cluster 4 “DIS” – Destination 5 “Space”



Space entrepreneurship / New Space

EGNSS and Copernicus applications fostering the EU Green deal (and other themes)

Quantum: Space Gravimetry

Cassini prizes

Other topics managed by EC, ESA or EUSPA

Space Science

Govsatcom

Large-scale Copernicus data uptake with AI and HPC

Theme 3 - Evolution of Copernicus services



Public sector as Galileo and/or Copernicus user

SSA & SST

Education

Copernicus Anthropogenic CO₂ Emissions Monitoring & Verification Support (MVS) capacity



Space Weather

CASSINI In Orbit Demonstration/Validation (IOD/IOV) service

GNSS & Copernicus Applications



<https://www.groundstation.space/open-calls/>



RESULTS

Assess and predict integrated impacts of cumulative direct and indirect stressors on coastal and marine biodiversity, ecosystems and their services

GRANT

Number: HORIZON-CL6-2021-BIODIV-01-04
Theme: Food, Bioeconomy, Natural Resources, Agriculture and Environment
Budget: €10.00 Million
Type of Action: Research & Innovation Action
Opening Date: 24/06/2021 00:00
Deadline: 29/09/2021 00:00

The current trajectories of social and economic development are destroying the ecosystems that ultimately sustain humankind. Identifying and defining direct and indirect anthropogenic and environmental stressors and their interactions should be the first step towards correctly quantifying their effects and feeding the

Data and technologies for the inventory, fast identification and monitoring of endangered wildlife and other species groups

GRANT

Number: HORIZON-CL6-2021-BIODIV-01-02
Theme: Food, Bioeconomy, Natural Resources, Agriculture and Environment
Budget: €10.00 Million
Type of Action: Research & Innovation Action
Opening Date: 24/06/2021 00:00
Deadline: 29/09/2021 00:00

The EU Biodiversity Strategy contains concrete objectives to protect and restore biodiversity and to address the main pressures and threats to biodiversity. In order to reach them, basic research is required to better understand, monitor, observe and manage biodiversity, including in protected areas. Such knowledge is also

APPLY FILTERS

- Grant (10)
- Tender (1)

€9.59M - €27.59M

- Civil Security for Society (0)
- Climate, Energy and Mobility (3)
- Culture, Creativity and Inclusive Society (0)
- Digital, Industry and Space (3)
- Food, Bioeconomy, Natural Resources, Agriculture and Environment (11)
- Health (0)

From

To

- Closed (0)
- Open (0)
- Upcoming (1)

Horizon Europe 2021 Call factsheet



Assess and predict integrated impacts of cumulative direct and indirect stressors on coastal and marine biodiversity, ecosystems and their services

The current trajectories of social and economic development are destroying the ecosystems that ultimately sustain humankind. Identifying and defining direct and indirect anthropogenic and environmental stressors and their interactions should be the first step towards correctly quantifying their effects and feeding the models (forecasts).

Scope:

- Develop a systemic approach for the integrated impact assessment of cumulative direct and indirect stressors on coastal and marine ecosystems processes and services
- Characterise, measure, and understand the combined impact of different types of pressures or perturbations on coastal and marine biodiversity and ecosystems condition
- Increased understanding of the biological mechanisms that determine the response of organisms and ecosystems to environmental changes
- Integrate existing and new biodiversity data and knowledge from multiple origins
- Develop technologies, methods and models that can quantify and forecast how cumulative anthropogenic perturbations that can affect ecosystems sustainability, productivity and resilience
- Contribution to enhancing the overall societal and public understanding of link between marine biodiversity and ecosystem functioning and human health

Topics:

- Prediction of impacts of multiple stressors on coastal and marine biodiversity, ecosystems functioning and all its services
- Better management and impact assessment of invasive species
- Implementation of the Marine Strategy Framework Directive by determining pressure levels
- Ecosystem based management approaches and policy measures for activities both at sea and on land to reduce pressures to ensure Good Environmental Status

Call overview, Produced 14/06/2021. Visit our website www.opencalls.space

Countries	Technology	Activities	Contact
all	Copernicus and/or Galileo/EGNOS/other data and services; Priority Actions on Biodiversity and Ocean Health of the EC-EU Joint Earth system science initiative	Systemic approach development, develop technologies, methods and models, integrate existing and new knowledge	Info@groundstation.space

dotSPACE Foundation | Huygensstraat 32 | 2201 DK Noordwijk | The Netherlands | Tel: +31 6 10 79 60 09 | www.groundstation.space

OPENCALLS.SPACE

SPACE OPPORTUNITIES IN THE HORIZON PROGRAM

EVENT WEBINAR LIVE

Biodiversity & Ecosystems
 Thursday 17 June 2021
 15:00-16:00 CET

FREE REGISTRATION NOW

Netherlands Space Office

#HorizonEU

Pillar 2 GLOBAL CHALLENGES & EUROPEAN INDUSTRIAL COMPETITIVENESS

Clusters

- 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

- Energy
- Mobility
- Climate
- Biodiversity
- Agriculture

And more...

European Defence Fund (EDF) ?

Digital Europe: Destination Earth?

Innovatiekrediet?



Rijksdienst voor Ondernemend Nederland

DRIVE?

MIT?

Orange Corners?

WBSO?

SIB?

SDGP?

Vroegefasefinanciering?

NWA?

KIC?

Perspctief?



Open Competitie?



<https://www.spaceoffice.nl/nl/ondersteuning/>



Netherlands Space Office

Home

Over NSO

Ondersteuning

Satelliettoepassingen

Satellietdataportaal

Onderwijs

Contact

Zoek

[Home](#) / [Ondersteuning](#) / Externe regelingen

Externe regelingen

Innovatiekrediet

Bent u bezig met de technische ontwikkeling van een nieuw product of dienst? Voor deze regeling komen projecten in aanmerking die technisch innovatief en uitdagend zijn en nieuwe producten of diensten ontwikkelen. Alle bedrijven, zowel starters als gevestigde bedrijven (groot en klein), kunnen gebruik maken van het Innovatiekrediet. [Meer...](#)

Trefwoorden

innovatie, technische ontwikkeling, bedrijven, ruimtevaart

Uitgevoerd door

RVO

European Defence Fund

Het Europees Defensie Fonds (EDF) is een groot programma van de EC om de defensie-industrie te stimuleren. Dit programma komt naast het Horizon Europe programma, dat alleen civiel onderzoek mag financieren. In het EDF worden zowel onderzoeks- als ontwikkelingsprojecten gesubsidieerd. [Meer...](#)

Trefwoorden

EU, Defensie, ruimtevaart, onderzoek, innovatie

Uitgevoerd door

Europese Commissie

Horizon Europe - Digital Industry & Space - Destination 5

Horizon Europe is het Research & Innovatie programma van de EU voor universiteiten, bedrijven en publieke onderzoeksorganisaties. Ruimtevaart is domein overschrijdend en komt in diverse thema's terug. [Meer...](#)

Trefwoorden

EU, Copernicus, Galileo, Gvsatcom, Lanceerders, New Space, Quantum, Satellietcommunicatie, Space Situational Awareness (SSA), Space Surveillance & Tracking (SST), Ruimtevaarttechnologie, Quantum, GNSS, EGNOS, Toepassingen, Data, Ondernemerschap

Uitgevoerd door

Europese Commissie

Horizon Europe

Horizon Europe is het Research & Innovatie programma van de EU voor universiteiten, bedrijven en

KIC – Kennis- en Innovatieconvenant

Klimaatverandering, cybersecurity, vergrijzing: onze samenleving staat voor een aantal grote uitdagingen

NWA – Nationale Wetenschapsagenda

De Nationale Wetenschapsagenda (NWA) is tot stand gekomen door een innovatief proces met de inbreng



Some important dates..

- June 22 – September 23 2021: most Horizon Europe calls open (except Quantum & Space)
- June 28 – Horizon Europe Space Brokerage Event by Cosmos2020
<https://cosmos2020plus-heu-cluster4-space-brokerage.b2match.io/>
- June 29 – Spacened Webinar “Europe/Brussel” (members only)
- July 1- Groundstation.Space webinar “Agriculture & Space”
- July 7 – Souding Board Infosession “Space Partnership” (t.b.a.)
- July 8 - Groundstation.Space webinar “Climate”
- September 2021: more Groundstation.Space webinars...
- October 28 2021 – February 16 2022: Horizon Europe “Space Calls” open. (Delayed Calls !)



**Horizon
Europe**

THE NEXT EU RESEARCH & INNOVATION
PROGRAMME (2021 - 2027)

