Horizon Europe
A bird's-eye view on Space

Cluster Digital, Industry and Space

National Contact Point for
Space in Horizon Europe

- Frank Winters, NCP Space
- Raymond Sluiter, Dutch expert Programme Committee DIS

Agenda

> Horizon Europe

> focus on Space in Cluster 4

> in other Clusters

HORIZON EUROPE: 95, 5 B€

Excellent Science

- erc
- Research Infrastructures

Global Challenges

- Health
- Culture, Creativity and Inclusive Society
- Civil Security for Society
- Digital, Industry, Space
- Climate, Energy, Mobility
- Agrifood, Bioeconomy, Natural Resources and Environment

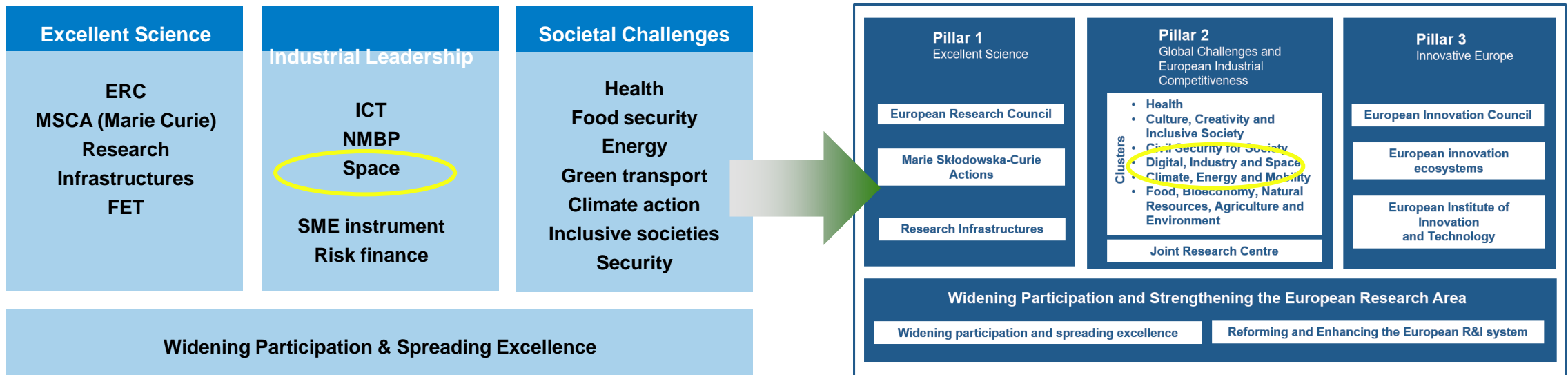Joint Research Centre

Innovative Europe

- eic European INNOVATION Council
- European Innovation Ecosystems
- eit European Institute of Innovation & Technology

Widening participation & ERA

H2020 to Horizon Europe

Excellent Science

ERC
MSCA (Marie Curie)
Research
Infrastructures
FET

Industrial Leadership

ICT
NMBP
Space

SME instrument
Risk finance

Societal Challenges

Health
Food security
Energy
Green transport
Climate action
Inclusive societies
Security

Widening Participation & Spreading Excellence

Pillar 1
Excellent Science

European Research Council

Marie Skłodowska-Curie Actions

Research Infrastructures

Pillar 2
Global Challenges and 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

HORIZON 2020

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

Cluster 4: Digital, Industry & Space

Six Destinations of Cluster 4 - the expected impacts they serve

1. Climate neutral, circular, and digitised production

2. A digitised, resource-efficient and resilience industry

3. World leading data and computing technologies

4. Digital and emerging technologies for competitiveness and fit for the green deal

5. **Strategic autonomy in developing, deploying and using global space-based infrastructures, services, applications and data**

6. A human-centred and ethical development and industrial technologies

Calls cluster DIS

› Provisional information:

- Separate calls per destination per year

- All single stage calls

- Topdown call text: what is your solution to the problem?

- Consortium: universities, companies and knowledge institutes

- 100-70% subsidy

- TRL ca 4 to 7

IMPACT IMPACT IMPACT

Cluster 4 Dest 5: Strategic autonomy in developing, deploying and using global space-based infrastructures, services, applications and data

DRAFT!

Impact: 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.

Challenges

› Foster competitiveness of space systems

› Reinforce our capacity to access to space

› Evolution of services and 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 (CASSINI Initiative)

› Targeted and strategic actions supporting the EU space sector

Some examples of topics

> Acces to Space: Reusability for EU strategic space launchers - technologies and operation maturation including flight test demonstration

> Earth Observation: Copernicus Security and Emergency Services evolution

> Competitiveness of space systems: End-to-end satellite communication systems and associated services

> Space capabilities: SSA, Govsatcom, Quantum: Quantum technologies for space gravimetry

> Space entrepreneurship ecosystem (including "New Space" and start-ups) and skills

DRAFT!

Space in other Clusters

› Cluster 4: Civil Security for Society

› Cluster 5: Climate, energy and mobility

– Intelligent Transport Systems, autonomous driving

– Climate (change)

› Cluster 6: Food, Bioeconomy and natural resources etc.

– Biobased products

– Farming

Pillar 2
Global Challenges and 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

RESEARCH & INNOVATION TO DRIVE THE GREEN DEAL

#EUGreenDeal
#ResearchImpactEU

European Commission

Cluster 4 Calls and timing

> Workprogramme adopted   mid april 2021

> 1st calls open   mid april 2021

> 1st call deadline   7 september 2021
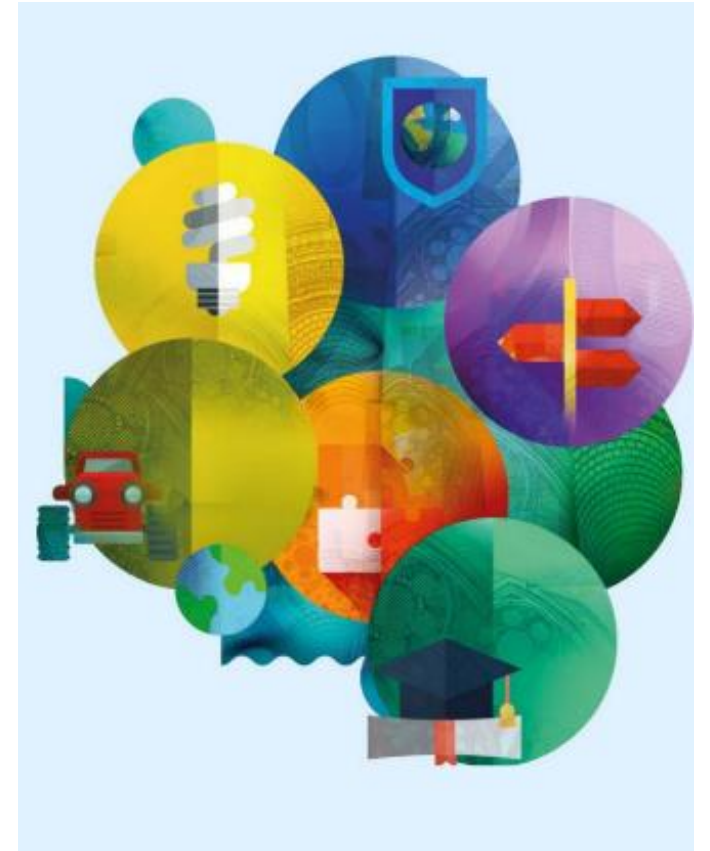
Want to know more?

> Register at:

- Interesseformulier Horizon Europe en andere Europese programma's | RVO.nl | Rijksdienst

Other sources of information

› Become an [expert](#) evaluator for the EC

› Check out the [most up-to-date call information](#)

› All you need to know about [Horizon Europe @ EC](#)

› Check [Cordis](#) for ongoing projects

› [IPR Helpdesk](#)

› Subscribe to [EC newsletters](#)

› Visit (online) information and brokerage events Contact your National Contact Point
  – In the Netherlands: [RVO](#), in cooperation with NSO

National Contact Point for Space in Horizon Europe
Rijksdienst voor Ondernemend Nederland (RVO.nl) - Team IRIS

Can you review my proposal

Which partners do I need?

In which European call should I submit?

What are the financial and legal consequences?

Do I stand a chance?

How to get in touch with Brussels?

How do I write a winning proposal?

frank.winters@rvo.nl

www.rvo.nl

More info?

Thema events:
- Horizon deepdive sessions
- Networking
- Keynote speakers: research, innovation, policy
- Workshops: legal & financial, ERC, Marie Skłodowska-Curie, EIC accelerator

Data

March 16th   - Cluster 4 DIS
March 18th   - Cluster 1 Health
March 23th   - Cluster 2 en 3
March 25th   - Cluster 5 CEM
March 30th   - Cluster 6

Registration: Walldo (andgage.io)

Algemeen info:
TEAMIRIS@RVO.nl

EUROPEAN UNION

#HorizonEU

HORIZON EUROPE

New: Widening Hop-On instrument

› **Add a partner** from a Widening country to your selected Pillar 2 project!

› **Why?:** Increase the participation of low R&I performing countries in Horizon Europe Pillar 2 actions.

• **Budget:** 200.000 to 500.000 euros per project (does not preclude requests for more budget)

  • Top-up for a relevant task or work package and the cost incurred by the additional participant.

New in Horizon Europe: Hop-On

WIDERA-2022-HOPON-01-01: Hop On Facility

- **What?:** Hop-On gives possibility to include <u>one additional participant</u> from a Widening country*
  to an ongoing project under <u>all topics of Pillar 2</u> in Horizon Europe
  - On voluntary basis without affecting the freedom of choice for the consortium and the principle of excellence.
  - Ex-post: partner can be added after signature grant agreement
  - *all consortium partners have to agree to include new partner*

- **Main selection criteria:** Excellence; added value of new partner; work-package or task assigned
  - Applications on green and digital transition encouraged

- **Deadline(s) call:** *20 April 2022, 10 November 2022*
  - All projects under Horizon Europe Pillar 2 with a <u>valid grant agreement</u> eligible
  - Coordinator consortium submits the proposal

- **More information?**
  - Marleen van den Berg (marleen.vandenberg@rvo.nl)

*__*Countries eligible for widening support HEU:__ Bulgaria, Croatia, Cyprus, Czechia, Estonia, Hungary, Latvia, Lithuania, Greece, Malta, Poland, Portugal, Romania, Slovakia and Slovenia.*