



INTERNATIONAL COOPERATION IN HORIZON EUROPE



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European
Commission



Global approach to research & innovation

*Europe's strategy for international cooperation in a changing world**

WHAT IS THE AIM OF THE GLOBAL APPROACH TO RESEARCH AND INNOVATION (R&I)?

To preserve openness in research and innovation international cooperation while promoting a level playing field and reciprocity underpinned by fundamental values.

To strengthen multilateral partnerships to deliver new solutions to green, digital, health and innovation challenges.



HOW WILL THIS BE ACHIEVED?

Modulating bilateral cooperation in line with European interests and values and EU's open strategic autonomy.

Accelerating sustainable and inclusive development, and the transition to resilient, knowledge-based societies and economies in low and middle-income countries.

Using a *Team Europe* approach, with actions by the EU, its financial institutions and Member States.



*COM(2021) 252



Horizon Europe supports the implementation of the global approach to research & innovation

HORIZON EUROPE // 2021 - 2027 // €95.5 billion

- ✓ A unique international R&I funding programme of such scale and scope
- ✓ Targeted actions with key partners
- ✓ Accelerate sustainable development in low & middle-income countries
- ✓ Association possible for countries anywhere in the world, based on criteria
- ✓ Safeguarding EU interests



International cooperation in Horizon Europe

Main features

General openness to international participation

- Entities from all over the world can take part in collaborative R&I projects
- Researchers and innovators of any nationality can apply for grants
- Entities from most low-middle income countries are automatically eligible for funding

Targeted international cooperation actions

- Actions specifically relevant for international cooperation
- Targeted actions with key partners on specific thematic areas
- Cooperation with Africa under the Horizon Europe 'Africa Initiative'



International cooperation in Horizon Europe

Main features

Association to Horizon Europe

- Categories of third countries
 - a) EFTA members that are members of European Economic Area
 - b) Acceding, candidates and potential candidates
 - c) European Neighbourhood Policy countries
 - d) Third countries (i) with good STI capacity; (ii) with commitment to a rules-based open market economy, including fair and equitable dealing with IPR, respect of human rights, backed by democratic institutions; (iii) that promote policies to improve the economic and social well-being of citizens

Horizon Europe structure



Pillar I

EXCELLENT SCIENCE

- European Research Council
- Marie Skłodowska-Curie
- Research Infrastructures



Pillar II

GLOBAL CHALLENGES & EUROPEAN INDUSTRIAL COMPETITIVENESS

6 Clusters

- Health
- Culture, Creativity & Inclusive Society
- Civil Security for Society
- Digital, Industry & Space
- Climate, Energy & Mobility
- Food, Bioeconomy, Natural Resources, Agriculture & Environment
- Joint Research Centre



Pillar III

INNOVATIVE EUROPE

- European Innovation Council
- European Innovation Ecosystems
- European Institute of Innovation & Technology

WIDENING PARTICIPATION AND STRENGTHENING THE EUROPEAN RESEARCH AREA

- Widening participation & spreading excellence
- Reforming & Enhancing the European R&I system



International cooperation in Horizon Europe Work Programme 2021-2022

Key figures

200+

actions specifically relevant to international cooperation (ca. 1 in 5 total)

75

actions targeting cooperation with specific countries or regions

30

actions contributing to key multilateral initiatives

€3B+

total EU contribution to international cooperation actions



International cooperation in Horizon Europe Work Programme 2021-2022

Cluster 1 - Health

Key figures

7

topics encourage
international cooperation

€320 million

total EU contribution to these topics

Examples of thematic areas

- Infectious diseases
- Mental health
- Health impacts of climate change
- AI for treatment and care
- Repurposing medicines
- Antimicrobial resistance



International cooperation in Horizon Europe Work Programme 2021-2022

Cluster 2 – Culture, Creativity & Inclusive Society

Key figures

9

topics encourage
international cooperation

€89 million

total EU contribution to these topics

Examples of thematic areas

- Politics and governance
- Cultural heritage
- Indicators for sustainable development
- Gender
- Migration



International cooperation in Horizon Europe Work Programme 2021-2022

Cluster 3 – Civil Security for Society

Key figures

16

topics encourage
international cooperation

€91 million

total EU contribution to these topics

Examples of thematic areas

- Disaster resilience
- Border management
- Infrastructure resilience
- Fighting crime and terrorism



International cooperation in Horizon Europe Work Programme 2021-2022

Cluster 4 – Digital, Industry and Space

Key figures

30+

topics encourage
international cooperation

€600+ million

total EU contribution to these topics

Examples of thematic areas

REPUBLIC OF KOREA SPECIFIC REFERENCE IN CALLS:

- CALL: TWIN GREEN AND DIGITAL TRANSITION 2021
- CALL: CLIMATE NEUTRAL, CIRCULAR AND DIGITISED PRODUCTION 2022
- CALL: Digital and emerging technologies for competitiveness and fit for the green deal



International cooperation in Horizon Europe Work Programme 2021-2022

Cluster 5 – Climate, Energy & Mobility

Key figures

30+

topics encourage or require international cooperation

€540+ million

total EU contribution to these topics

Examples of thematic areas

- Water-energy-food nexus; energy system modelling
- Connected & Automated Mobility (**REPUBLIC OF KOREA**)

CALL: Safe, Resilient Transport and Smart Mobility services for passengers and goods

- Climate sciences



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Cluster 6 – Food, Bioecon, Nat Res, Agricult & Envir

Key figures

55+

topics encourage or require international cooperation

€700+ million

total EU contribution to these topics

Examples of thematic areas

- Biodiversity & ecosystems
- Circular economy and bioeconomy
- Water, oceans, soil
- Pollution



International cooperation in Horizon Europe Work Programme 2021-2022

Widening participation & strengthening the ERA

Key figures

12

topics encourage or support international cooperation

€64 million

total EU contribution to these topics

Examples of thematic areas

- Research ethics (**REPUBLIC OF KOREA**):

Topic: The challenges of research ethics and integrity in response to crisis

Topic: Ensuring reliability and trust in quality of Research Ethics expertise in the context of new/emerging technologies

- Open access



International cooperation in Horizon Europe Work Programme 2021-2022

Pillar I: Research Infrastructures

Key figures

9

topics encourage or require international cooperation

€170+ million

total EU contribution to these topics

Examples of thematic areas

- Research infrastructure services
 - *Areas: cancer, agriculture, environment, materials for circular economy, global value chains, frontier knowledge, COVID-19*

DESTINATION 3 – RESEARCH INFRASTRUCTURE SERVICES TO SUPPORT HEALTH RESEARCH, ACCELERATE THE GREEN AND DIGITAL TRANSFORMATION, AND ADVANCE FRONTIER KNOWLEDGE (REPUBLIC OF KOREA)



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Pillar I: MSCA and ERC

Marie Skłodowska-Curie Actions

- Doctoral Networks
- Staff Exchanges
 - address inter-sectoral, *international* and interdisciplinary mobility
- Global Fellowships

European Research Council

- ERC research teams include researchers from all over the world



International cooperation in Horizon Europe Work Programme 2021-2022 Contribution to key multilateral initiatives



& others ...



Thank you!

For more info:

- [European Commission Communication on the Global Approach to research and innovation](#)
- [Horizon Europe](#)
- [European Commission's website on international R&I cooperation](#)
- [Horizon Europe Funding & Tenders' Portal](#)
- [National Contact Points \(NCPs\) Portal](#)
- [Coronavirus Global R&I Collaboration Portal](#)

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