



# INTERNATIONAL COOPERATION IN HORIZON EUROPE

CARMELA CUTUGNO  
Policy Officer for International Cooperation  
DG Research and Innovation  
European Commission



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# International Cooperation in Horizon Europe

## **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



# 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



# International cooperation in Horizon Europe

## Main features

## Association to Horizon Europe

- Categories of third countries
  - a) EFTA members which are members of European Economic Area
  - b) Acceding, candidates and potential candidates
  - c) European Neighbourhood Policy countries
  - d) Third countries (i) with good Science, Technology, Innovation capacity; (ii) with commitment to a rules-based open market economy, including fair and equitable dealing with Intellectual Property Rights, 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

- Manufacturing, construction, processing
- Raw & advanced materials
- Next generation internet
- Nanomaterials health and environmental risks
- Quantum (Australia)



# 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 (Australia)
- Climate sciences
- Renewable energy
- Road safety
- Clean transport
- Biofuels (Mission Innovation)



# International cooperation in Horizon Europe Work Programme 2021-2022

## 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

- Food, Nutrition Security & Sustainable Agriculture
- Food, Agriculture and Biotechnology Flagship
- Biodiversity & ecosystems
- Circular economy and bioeconomy
- Water, oceans, soil
- Communities
- 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

- FAIR data policy, citizen science
- Research ethics
- Open access
- Responsible R&I
- Service Facility for international cooperation



# 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*
  - *Possibility for exceptional funding (AUS & NZ)*



# International cooperation in Horizon Europe Work Programme 2021-2022

## 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: [https://ec.europa.eu/commission/presscorner/detail/en/ip\\_21\\_2465](https://ec.europa.eu/commission/presscorner/detail/en/ip_21_2465)
- Horizon Europe: [https://ec.europa.eu/info/research-and-innovation/funding/funding-opportunities/funding-programmes-and-open-calls/horizon-europe\\_en](https://ec.europa.eu/info/research-and-innovation/funding/funding-opportunities/funding-programmes-and-open-calls/horizon-europe_en)
- European Commission's website on international R&I cooperation: [https://ec.europa.eu/info/research-and-innovation/strategy/international-cooperation\\_en](https://ec.europa.eu/info/research-and-innovation/strategy/international-cooperation_en)

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