



EU-Korea International Cooperation in Research and Innovation

DG Research & Innovation
Policy Officer – Victor Gram-Erichsen



@EUScienceInnov | #EUResearchArea | #ResearchImpactEU | #HorizonEU



European
Commission



International Cooperation in R&I

DG RTD – Victor Gram-Erichsen

Policy Officer – DG RTD

- ✓ Strategic overview
- ✓ Promoting R&I cooperation with Korea
- ✓ EU Delegation to Korea, EURAXESS, Korean Embassy and partners in Brussels



International Cooperation in R&I

Global approach to Research and Innovation

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.





International Cooperation in R&I

Global approach to Research and Innovation

Guiding principles:

- ✓ Commitment to openness
- ✓ Values & Principles
- ✓ Pursuit of a level playing field and reciprocity
- ✓ Pool global efforts to tackle global challenges



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

International Cooperation in Horizon Europe



HORIZON EUROPE

EURATOM

SPECIFIC PROGRAMME: EUROPEAN DEFENCE FUND

Exclusive focus on defence research & development

Research actions

Development actions

SPECIFIC PROGRAMME IMPLEMENTING HORIZON EUROPE & EIT*

Exclusive focus on civil applications



**Pillar I
EXCELLENT SCIENCE**

European Research Council

Marie Skłodowska-Curie

Research Infrastructures



**Pillar II
GLOBAL CHALLENGES &
EUROPEAN INDUSTRIAL
COMPETITIVENESS**

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

Fusion

Fission

Joint Research Center

* The European Institute of Innovation & Technology (EIT) is not part of the Specific Programme



International cooperation in Horizon Europe Work Programme 2023-24

	Topics total	Topics (ex Other Actions)	International cooperation encouraged	%
Cluster 1: Health	53	44	7	16%
Cluster 2: Culture, creativity and inclusive society	66	56	15	27%
Cluster 3: Civil Security for Society	44	42	9	21%
Cluster 4: Digital Industry and Space	159	130	22	17%
Cluster 5: Climate, Energy and Mobility	219	191	38	20%
Cluster 6: Food, Bioeconomy, Natural resources, agriculture, and environment	189	179	51	28%
	730	642	141	22%

An illustration in the top left corner shows several stylized human figures interacting with a globe. One figure is climbing a ladder to reach the top of the globe, another is holding a lightbulb, and others are positioned around the globe, suggesting global collaboration and innovation.

International Cooperation in Horizon Europe

Republic of Korea - Research and Innovation leader

Fulfills requirements:

- ✓ (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

An illustration in the top left corner shows several stylized human figures interacting with a globe. One person is climbing a ladder to reach the top of the globe, another is holding a lightbulb, and others are positioned around the globe, suggesting global collaboration and innovation.

International Cooperation in Horizon Europe

Continued Horizon Europe participation a priority

As association negotiations are ongoing, continued cooperation is key.
Priority areas for EU-Korea cooperation include:

- Green technologies and clean energy
- Health and bioresources
- Digital area

An illustration showing several stylized human figures interacting with a globe. One figure is climbing a ladder to reach the top of the globe, another is holding a lightbulb, and others are positioned around the globe, suggesting global collaboration and innovation.

International Cooperation in Horizon Europe

Targeted international cooperation actions

- Flagging of call topics specifically relevant for international cooperation in the work programmes, e.g. in
 - Strategic thematic areas (topics)
 - Geographical areas (countries/region's)
 - Multilateral initiatives (e.g. Mission Innovation)
- WP 23-24: 22% INCO flagged topics ; see F&T Portal – filter for international cooperation



International Cooperation in Horizon Europe

Targeted international cooperation areas with Korea

EU-Korea Digital Partnership:

- Signed on 28 November 2022
- Identified priority areas:
 - High performance and quantum computing; Next generation mobile networks (6G) ; Digital Standardisation; Semiconductors; Cybersecurity; AI; Platforms; Data and Skills.



Thank you!