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.

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Horizon Europe supports 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 at bilateral/multilateral level
- Accelerate the green, digital and fair transition and progress towards SDGs
- Sustainable development in particular in low & middle-income countries
- Association possible for countries anywhere in the world, based on criteria
- Safeguarding EU values and interests Academic freedom, Research ethics and integrity, Gender equality, diversity and inclusiveness, Open data and open science, Standards, Evidence-informed policy making, Excellence-informed policy making and a stronger focus on Science Diplomacy
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

The EU will fund the participation in Horizon Europe actions of legal entities established in most low and middle-income countries (all apart the BRIC and Mexico) to support the development of their R&I capacities, in synergy with the Neighbourhood, Development and International Cooperation Instrument. Some third countries have arranged mechanisms to support their applicants in some thematic areas (the co-funding mechanisms).

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 Work Programme 2021-2022
Cluster 5 – Climate, Energy & Mobility

Key figures

30+

€540+ million

topics encourage or require international cooperation
total EU contribution to these topics

Examples of actions with key third-country partners that contribute to EU priorities

- Water-energy-food nexus; energy system modelling (Africa)
- Connected & Automated Mobility (AU, CA, JP, KR, SG, US)
- Climate sciences (major GHG emitters, LMIC, Africa, ...)
- Renewable energy (Africa, Central Asia, Mission Innovation, ...)
- Road safety (Africa)
- Clean transport
- Biofuels (Mission Innovation)
International cooperation in Horizon Europe Work Programme 2021-2022

Cluster 5 – Examples under Destinations

Climate sciences and responses for the transformation towards climate neutrality
Development of high-resolution Earth system models for global and regional climate change projections

Cross-sectoral solutions for the climate transition
Co-Funded Partnership: Driving Urban Transitions to a sustainable future

Sustainable, secure and competitive energy supply
Best international practice for scaling up sustainable biofuels

Efficient, sustainable and inclusive energy use
Designs, materials and solutions to improve resilience, preparedness & responsiveness of the built environment for climate adaptation (Built4People)

Clean and competitive solutions for all transport modes
Nextgen EV components: High efficiency and low cost electric motors for circularity and low use of rare resources (2ZERO)

Safe, Resilient Transport and Smart Mobility services for passengers and goods
Common approaches for the safety validation of CCAM systems (CCAM Partnership)
Thank you!

For more info:
• Horizon Europe: 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

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