Global Approach to Research and Innovation

*Europe's strategy for international cooperation in a changing world*, COM(2021) 252 final, 18.5.2021

**Highlights for HORIZON EUROPE**

*Climate, Energy and Mobility*
THE 2021 STRATEGY
Reaffirms the EU commitment to lead by example to preserve openness in international R&I cooperation, while promoting a level playing field and reciprocity underpinned by fundamental values;
Strengthens the EU’s leading role in supporting multilateral R&I partnerships towards addressing the green, digital, health, social and innovation challenges and achieving the SDGs.

The EU should work towards a common understanding and implementation with its international partners of:
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
STRATEGY IMPLEMENTATION
o modulating EU bilateral cooperation in R&I to make it compatible with EU interests and values and strengthen the EU’s open strategic autonomy;
o mobilising R&I to accelerate sustainable and inclusive development, and the transition to resilient, knowledge-based societies and economies in low and middle-income countries; and
o initiatives modelled on a Team Europe approach, which combine actions by the EU, financial institutions and MS to maximise the effectiveness and impact of the actions.

REAFFIRMING EU COMMITMENT TO OPENNESS & FUNDAMENTAL VALUES IN R&I
o Participants from all over the world, regardless of their place of establishment or residence, will be able to participate in most of the Horizon Europe programme. 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).
o For actions related to EU strategic assets, interests, autonomy or security, the work programme may provide that the participation can exceptionally be limited to legal entities established only in MS, or to legal entities established in MS and specified countries.
LEADING GLOBAL EFFORTS TOWARDS A JUST GREEN TRANSITION

As a global leader committed to becoming the first climate-neutral bloc in the world by 2050, the EU will continue to lead international efforts and jointly address environmental challenges with its international partners, notably the major world economies and greenhouse gas emitters.

- International cooperation in climate and environmental science has to underpin evidence-informed policies for climate and biodiversity action.

- International cooperation should also focus on clean technology development in line with the Paris Agreement and the European Green Deal’.

*The strategic orientations of Horizon Europe include R&I international cooperation on climate action, combatting environmental degradation, tackling pollution, promoting a circular economy and a just transition, through:*

- Dedicated research topics and partnerships open to participation by non-EU countries.

- Strategic partnerships with technology leaders and multilateral forums (Intergovernmental Panel on Climate Change, Mission Innovation, Group on Earth Observations, IEA, IRENA…) to ensure the EU green leadership while supporting the uptake of EU green standards globally.
HE WP 2021-22 Climate, Energy, Mobility

Approach & Examples under Destinations

Multilateralism and purposeful openness
Targeted actions with key third-country partners that contribute to EU priorities:
Cooperation for the acceleration of clean energy innovation through the Mission Innovation
Cooperation with African countries on renewable energies; and
Cooperation on sustainable decarbonisation with major emitting countries

Climate sciences and responses for the transformation towards climate neutrality (Inherent international character)
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)