Horizon Europe Launch Event in Canada

INTERNATIONAL COOPERATION

Martin Penny
Why participate?

• World’s largest international R&I funding programme: **€95.5 billion** (€15 billion in 2021 – 2022 alone)
• Almost 1000 topics and calls to be published in 2021 – 2022
• Opportunities for researchers in all subjects and at all career stages

How to participate?

• As a general rule, Horizon Europe targets multi-beneficiary consortia
  ➢ To enhance the EU added value, promote cooperation between organisations in different countries, reinforce the quality of applications and ensure fair competition and equal opportunities
How to participate?

• Horizon Europe focuses on collaborative research, requiring at least 3 participants from Member States and Associated Countries
• Finding the right partners is key – the Commission provides a dedicated tool for this:
  • Funding & Tenders Portal: https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/how-to-participate/partner-search
• Mono-beneficiaries are accepted under some parts of the programme, e.g. in mobility or ERC actions
**Horizon Europe structure**

**Pillar I**
EXCELLENT SCIENCE
- European Research Council
- Marie Skłodowska-Curie
- Research Infrastructures

**Pillar II**
GLOBAL CHALLENGES & EUROPEAN INDUSTRIAL COMPETITIVENESS
- Health
- Culture, Creativity & Inclusive Society
- Civil Security for Society
- Digital, Industry & Space
- Climate, Energy & Mobility
- Food, Bioeconomy, Natural Resources, Agriculture & Environment
- Joint Research Centre

6 Clusters

**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
Pillar I

EXCELLENT SCIENCE:

reinforcing and extending the excellence of the Union's science base

European Research Council
Frontier research – Individual Grants and Synergy Grants (2-4 PIs)

Marie Skłodowska-Curie Actions
Equipping researchers with new knowledge and skills through mobility and training

Research Infrastructures
Integrated and inter-connected world-class research infrastructures

€16 billion
€6.6 billion
€2.4 billion
Pillar II - Clusters

GLOBAL CHALLENGES & EUROPEAN INDUSTRIAL COMPETITIVENESS:

boosting key technologies and solutions underpinning EU policies & Sustainable Development Goals (6 clusters and JRC – non-nuclear direct actions)

€53.5 billion
EU Missions

Relating EU's research and innovation better to society and citizens' needs; with strong visibility and impact.

A mission is a portfolio of actions across disciplines intended to achieve a **bold and inspirational and measurable goal** within a set timeframe, with **impact** for society and policy making as well as relevance for a significant part of the European population and wide range of European citizens.

Horizon Europe defines mission characteristics and elements of governance, and **5 missions areas**. Specific missions will be programmed within the Global Challenges and European Industrial Competitiveness pillar, but may also benefit from actions carried out within other parts of the Programme as well as complementary actions carried out under other Union programmes.
Five Missions Areas

- Adaptation to climate change, including societal transformation
- Cancer
- Healthy oceans, seas, coastal & inland waters
- Climate-neutral & smart cities
- Soil health & food
New approach to European Partnerships

New generation of objective-driven and more ambitious partnerships in support of agreed EU policy objectives

Key Features

- Strategic orientation
- Systemic approach
- Simple architecture and toolbox
- Common set of criteria for the life-cycle

**CO-PROGRAMMED**
Based on Memoranda of Understanding/contractual arrangements; implemented independently by the partners and by Horizon Europe

**CO-FUNDED**
Based on a joint programme agreed and implemented by partners; commitment of partners for financial and in-kind contributions

**INSTITUTIONALISED**
Based on long-term dimension and need for high integration; partnerships based on Art 185/187 of TFEU and the EIT legal acts for 2021-2027
Pillar III

INNOVATIVE EUROPE:

stimulating **market-creating breakthroughs** and **ecosystems** conducive to innovation

**European Innovation Council**
Support to innovations with breakthrough and market creating potential

**European innovation ecosystems**
Connecting with regional and national innovation actors

**European Institute of Innovation and Technology (EIT)**
Bringing key actors (research, education and business) together around a common goal for nurturing innovation

The budget: **€10.6 billion**, incl. up to **€527 million** for ecosystems (including NGEU – Recovery Fund parts dedicated to EIC).

**circa €3 billion**
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*
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
- Canada – co-funding through 2020 Horizon Global Platform Competition (NFRF)
- 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
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
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 Work Programme 2021-2022
Contribution to key multilateral initiatives & others ...
International cooperation in Horizon Europe

Funding & tender opportunities

Funding and tenders (557)

- ERC PROOF OF CONCEPT GRANTS
  - Deadline model: single-stage
  - Opening date: 15 July 2021
  - Deadline date: 14 October 2021 17:00:00 Brussels time

- ERC Synergy Grants
  - Deadline model: single-stage
  - Opening date: 15 July 2021
  - Deadline date: 10 November 2021 17:00:00 Brussels time
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

Follow us:
• Commissioner Mariya Gabriel: @GabrielMariya
• Director-General Jean-Eric Paquet: @JEPaquetEU
• DG Research and Innovation: @EUScienceInnov