



#HorizonEU

HORIZON EUROPE

THE EU RESEARCH & INNOVATION PROGRAMME 2021 – 27

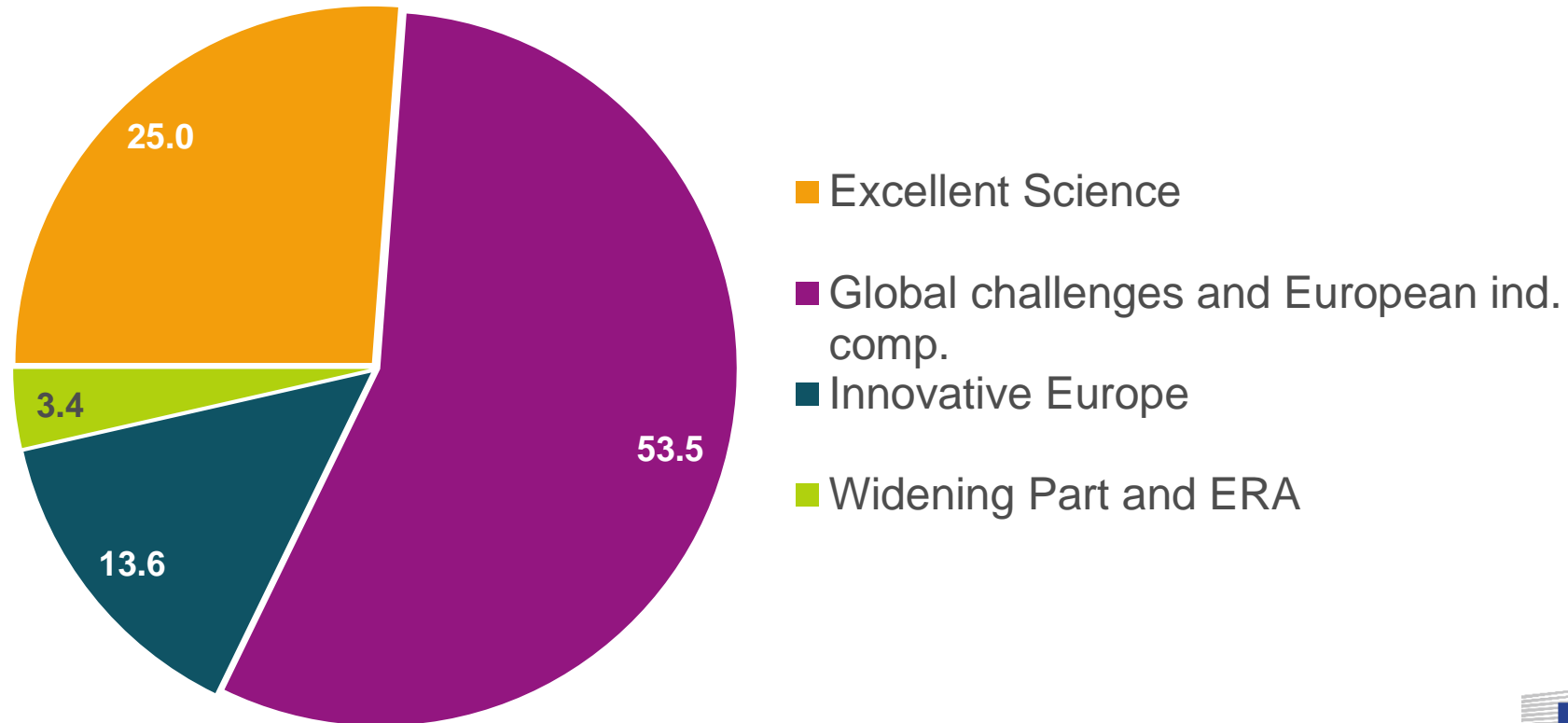
This presentation is based on the political agreement of 11 December 2020 on the Horizon Europe. Information on some parts is pending revision.

19 March 2021

Research and
Innovation

Horizon Europe

- World's largest international R&I funding programme: **€95.5 billion** (€15 billion in 2021 – 2022 alone)



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



Horizon Europe

How to Participate?

- **Funding and Tenders Portal – ‘one stop shop’ for participation**

- Legal documents
- Guidance documents
- Strategic Plan], Work Programmes, Call texts
- Registering organisations
- Submitting your proposal



Horizon Europe

How to Participate?

- **Multi-beneficiary consortia**

- Minimum requirement of 3 participants from different MS/AC including at least one from a MS
- Additional partners can come from anywhere in the world

- **Mono-beneficiaries are accepted under some parts of the programme,**
e.g. in mobility or ERC actions

- **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>



Horizon Europe supports the implementation of the global approach to research & innovation

Openness

- Horizon Europe is 'by-default' open to international **participation**
- Entities from low & middle* income countries are eligible for **funding** in collaborative projects.
- Researchers and innovators of any **nationality** can apply for grants.

Thematic and geographic priorities, & multilateralism

- Topics **targeted** for international cooperation, w/ or w/o **specific third countries or regions** (see funding and tenders [Portal](#) – filter for international cooperation)

Pillar I

EXCELLENT SCIENCE:

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

European Research Council

Frontier research by the best researchers and their teams

€16 billion

Marie Skłodowska-Curie Actions

Equipping researchers with new knowledge and skills through mobility and training

€6.6 billion

Research Infrastructures

Integrated and inter-connected world-class research infrastructures

€2.4 billion



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
 - 1 - 2 years in non-associated third country + 1 year return phase to EU or associated country
 - Open to EU or associated country nationals or long-term residents

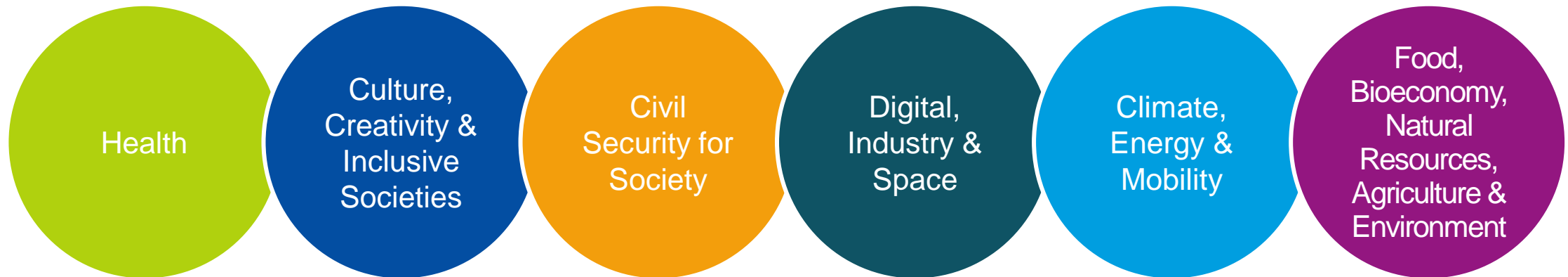
European Research Council

- ERC research teams include researchers of nationalities from all over the world

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



International cooperation in Horizon Europe Work Programme 2021-2022

Topics targeting international cooperation

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

Contribution to key multilateral initiatives



& others ...

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.





Thank you!

For more info:

- Commission Communication on the Global Approach to research and innovation:
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
- Commission's website on international R&I cooperation:
https://ec.europa.eu/info/research-and-innovation/strategy/international-cooperation_en

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Global approach to research & innovation

Guiding principles

Commitment to openness and values in research & innovation

- Openness is crucial to accelerate scientific progress, pool resources and nurture vibrant innovation ecosystems.

Pool global efforts to tackle global challenges

- Global cooperation is necessary to tackle effectively global challenges such as pandemics, or the climate and biodiversity crises.
- The EU should strive to bring countries together in multilateral research and innovation partnerships focused on finding solutions to green, digital, health, social and innovation challenges.



Global approach to research & innovation

Guiding principles

Modulated cooperation with third countries

- Based on mutual and EU interests, levels of reciprocity, a level playing field, and the respect for fundamental rights and shared values.
- Co-design initiatives to support low-middle income countries that wish to upgrade their research and innovation ecosystems.



Global approach to research & innovation

Guiding principles

Pursuit of common values, level playing fields and reciprocity

- Researchers and innovators should be free to operate within a supportive environment based on values and principles such as academic freedom, research ethics and the respect of human rights.
- Balanced approach to better safeguard EU interests, values and boost its resilience, while maintaining wide openness to cooperation.
- Assertive promotion of fair innovation ecosystems, open standard setting, non-discriminatory state subsidies, protection and enforcement of intellectual property rights.