Horizon Europe

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THE FRAMEWORK PROGRAMME FOR RESEARCH AND INNOVATION

HORIZON 2020
Horizon Europe
THE NEXT EU RESEARCH & INNOVATION PROGRAMME (2021 – 2027)
Horizon Europe: investing in R&I to shape our future

- The vision:
  "a Europe that protects, a Europe that empowers, a Europe that defends"
  
  Jean-Claude Juncker

- Tackling climate change (35 % budgetary target)

- Helping to achieve Sustainable Development Goals

- Boosting the Union's competitiveness and growth
Horizon Europe

is the Commission proposal for a research and innovation funding programme for seven years (2021-2027)

to strengthen the EU's scientific and technological bases
to boost Europe's innovation capacity, competitiveness and jobs
to deliver on citizens' priorities and sustain our socio-economic model and values
Horizon Europe: evolution not revolution

Specific objectives of the Programme

- Support the creation and diffusion of high-quality knowledge
- Strengthen the impact of R&I in supporting EU policies
- Foster all forms of innovation and strengthen market deployment

Optimise the Programme’s delivery for impact in a strengthened ERA

Pillar 1
Open Science
- European Research Council
- Marie Skłodowska-Curie Actions
- Research Infrastructures

Pillar 2
Global Challenges and Industrial Competitiveness
- Health
- Inclusive and Secure Society
- Digital and Industry
- Climate, Energy and Mobility
- Food and natural resources
- Joint Research Centre

Pillar 3
Open Innovation
- European Innovation Council
- European innovation ecosystems
- European Institute of Innovation and Technology

Strengthening the European Research Area
- Sharing excellence
- Reforming and Enhancing the European R&I system

Reforming and Enhancing the European R&I system
Pillar 1

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

**European Research Council**
- Frontier research by the best researchers and their teams

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

**Research Infrastructures**
- Integrated and inter-connected world-class research infrastructures
Pillar 2 - Clusters

boosting key technologies and solutions underpinning EU policies & Sustainable Development Goals

- Digital, Industry & Space
- Civil Security for Society
- Health
- Culture, Creativity and Inclusive Societies
- Climate, Energy and Mobility
- Food, Bioeconomy, Natural Resources, Agriculture & Environment
Pillar 3

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
Mission Orientated Research and Innovation

What are Missions?
- Initiatives orientated toward achieving faster scientific and technological advancements (accelerators)
- Targeting societal challenges implying transformational changes (transformers)

Why propose a mission oriented approach as the way forward?
- Make it easier for citizens to understand the value of investments in research and innovation
- Maximise the impact of investments by setting clearer targets and expected impact when addressing global challenges
Adaptation to climate change, including societal transformation

Mission areas

Healthy oceans, seas, coastal and inland waters

Cancer

Climate-neutral and smart cities

Soil health and food

European Commission