European Commission

Commission proposal for

Horizon Europe

THE NEXT EU RESEARCH & INNOVATION PROGRAMME (2021 – 2027)

#HorizonEU

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Research and Innovation

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

Clusters
- 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

Pillar 2

Global Challenges & Industrial Competitiveness:

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

Clusters implemented through usual calls, **missions & partnerships**	Budget (€ billion)
Health	*€ 7.7*
Inclusive and Secure Society	*€ 2.8*
Digital and Industry	*€ 15*
Climate, Energy and Mobility	*€ 15*
Food and Natural Resources	*€ 10*
Joint Research Centre supports European policies with independent scientific evidence & technical support throughout the policy cycle	€ 2.2

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Inclusive and Secure Society: fact & figures

- Democracy faces **most serious crisis** in decades. Surveys show **declining levels of trust** to political institutions.
- Cultural Heritage creates **12 million jobs**; promotes European values and helps develop a European Identity.
- Automation impact: **14% of jobs** in 32 OECD countries are highly automatable, equivalent to 66 million jobs.
- Need to reduce **rising inequalities** (European Pillar of Social Rights).
- Largest number of arrivals of **refugees and migrants** since end of Second World War.

CLUSTER 2: Inclusive and Secure Society

- Strengthen **European democratic values** and address issues of **trust**.
- Safeguard and promote our **cultural heritage**.
- Take advantage of socio-economic transformations and promote **inclusive growth** while responding to globalization, and technological advancements.
- Prepare for and respond to **human-made and natural disasters**, e.g. climate-related extreme weather events, terrorism, earthquakes
- Respond to changing **security threats**, both physical and digital, and support EU border management

CLUSTER 2: Inclusive and Secure Society

Sustainable Development Goals

CLUSTER 2: Inclusive and Secure Society

Intervention areas:

1. Democracy
2. Cultural Heritage
3. Social and economic transformations
4. Disaster-resilient societies
5. Protection and security
6. Cybersecurity

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Three Intervention areas especially relevant for the SSH in Cluster 2:

- **Democracy**

Support the transparency, responsiveness, accountability effectiveness and legitimacy of democratic governance in full respect of fundamental rights and of the rule of law

- **Cultural Heritage**

Heritage studies and sciences, with cutting edge technologies including digital ones. Access to and sharing of cultural heritage, with innovative patterns and uses and participatory management models.

- **Social and economic transformations**

Knowledge base for advice on investments and policies especially education and training, for high value added skills, productivity, social mobility, growth, social innovation and job creation. Tackling inequalities.

Integration of SSH throughout the programme:

- **Inside and across Clusters, including Missions (social, economic, cultural, human aspects are essential for both impact and relevance)**

- **Continued monitoring while broadening the scope (the ambition is to cover practically the whole of Horizon Europe)**

- **Evaluation procedures (composition of panels, briefing and guidance documents)**

CLUSTER 2: Inclusive and Secure Society

What is new?

- New Intervention Area on **Democracy**.
- **Cultural Heritage** substantially expanded compared to H2020.
- **Flexibility** to react to new social and security challenges.

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Democracy: Broad Lines of Activities

- The history, evolution and efficacy of democracies, at different levels and in different forms; digitisation aspects and the effects of social network communication and the role of education and youth policies as cornerstones of democratic citizenship;
- Innovative approaches to support the transparency, responsiveness, accountability effectiveness and legitimacy of democratic governance in full respect of fundamental rights and of the rule of law;
- Strategies to address populism, extremism, radicalisation, terrorism and to include and engage disaffected and marginalised citizens;
- Better understand the role of journalistic standards and user-generated content in a hyper-connected society and develop tools to combat disinformation;

Democracy: Broad Lines of Activities

- The role of multi-cultural citizenship and identities in relation to democratic citizenship and political engagement;
- The impact of technological and scientific advancements, including big data, online social networks and artificial intelligence on democracy;
- Deliberative and participatory democracy and active and inclusive citizenship, including the digital dimension;
- The impact of economic and social inequalities on political participation and democracies, demonstrating how reversing inequalities and combatting all forms of discrimination including gender, can sustain democracy.

Cultural Heritage : Broad Lines of Activities

- Heritage studies and sciences, with cutting edge technologies including digital ones;
- Access to and sharing of cultural heritage, with innovative patterns and uses and participatory management models;
- Connect cultural heritage with emerging creative sectors;
- The contribution of cultural heritage to sustainable development through conservation, safeguarding and regeneration of cultural landscapes, with the EU as a laboratory for heritage-based innovation and cultural tourism;
- Conservation, safeguarding, enhancement and restoration of cultural heritage and languages with the use of cutting edge technologies including digital;
- Influence of traditions, behavioural patterns, perceptions and beliefs on values and sense of belonging.

Social and Economic Transformations: Broad Lines of Activities

- Knowledge base for advice on investments and policies especially education and training, for high value added skills, productivity, social mobility, growth, social innovation and job creation. The role of education and training to tackle inequalities;
- Social sustainability beyond GDP only indicators especially new economic and business models and new financial technologies;
- Statistical and other economic tools for a better understanding of growth and innovation in a context of sluggish productivity gains;
- New types of work, the role of work, trends and changes in labour markets and income in contemporary societies, and their impacts on income distribution, non-discrimination including gender equality and social inclusion;
- Tax and benefits systems together with social security and social investment policies with a view to reversing inequalities and addressing the negative impacts of technology, demographics and diversity;

Social and Economic Transformations: Broad Lines of Activities

- Human mobility in the global and local contexts for better migration governance, integration of migrants including refugees; respect of international commitments and human rights; greater, improved access to quality education, training, support services, active and inclusive citizenship especially for the vulnerable;
- Education and training systems to foster and make the best use of the EU's digital transformation, also to manage the risks from global interconnectedness and technological innovations, especially emerging online risks, ethical concerns, socio-economic inequalities and radical changes in markets;
- Modernisation of public authorities to meet citizens' expectation regarding service provision, transparency, accessibility, openness, accountability and user centricity.
- Efficiency of justice systems and improved access to justice based on judiciary independence and rule of law principles, with fair, efficient and transparent procedural methods both in civil and criminal matters.

R&I Missions

R&I Missions

Connecting to citizens: Missions will relate EU's research and innovation to society and citizens' needs, with strong visibility and impact

A mission will consist of a portfolio of actions intended to achieve **a bold and inspirational as well as measurable goal** within a set timeframe, with impact for science and technology, society and citizens that goes beyond individual actions.

Horizon Europe proposal defines mission characteristics and criteria

Specific missions will be **co-designed with Member States, stakeholders and citizens** and programmed within the Global Challenges and Industrial Competitiveness pillar (drawing on inputs from other pillars)

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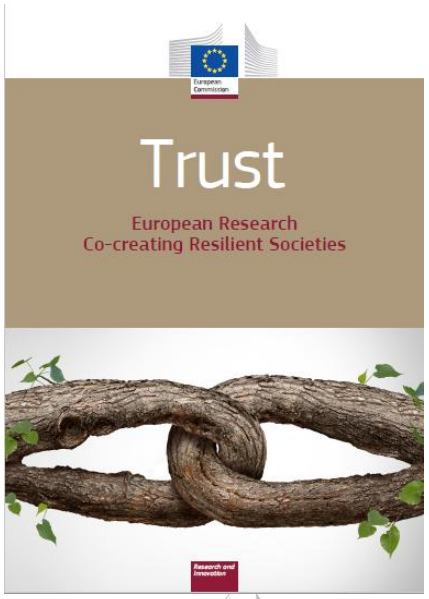
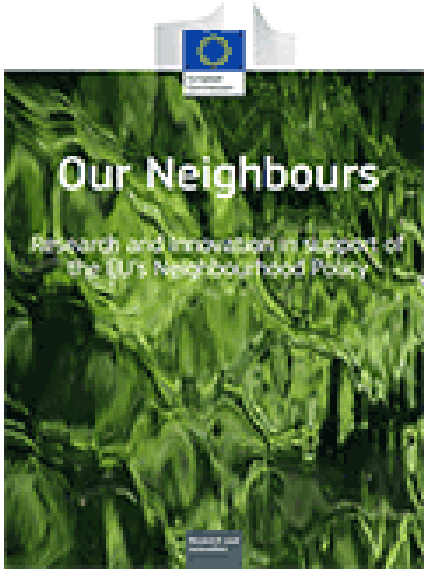
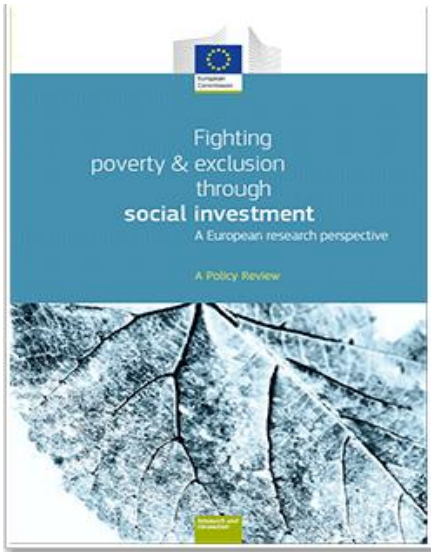
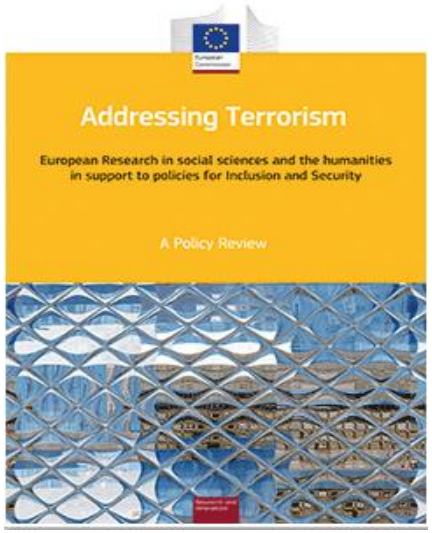
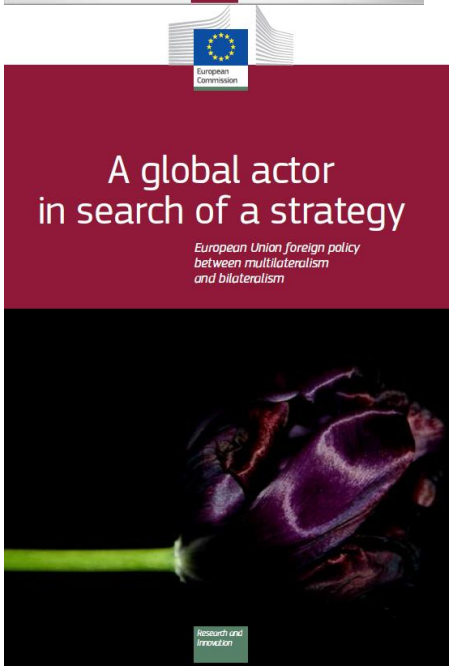
THANK YOU FOR YOUR ATTENTION !











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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

Additional are proposed to be allocated for defence research, in a separate proposal for a European Defence Fund

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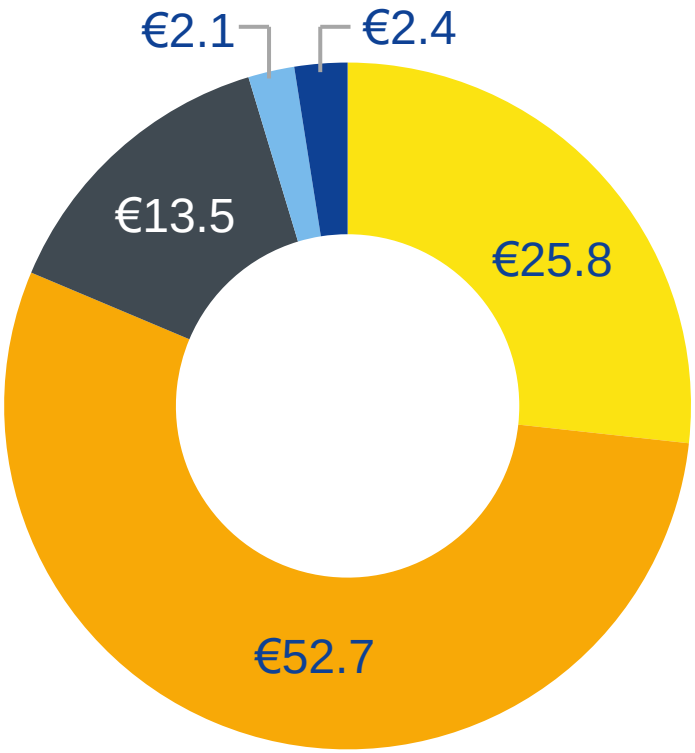
Budget: €100 billion* (2021-2027)



€ billion
In current prices

- Open Science
- Global Challenges & Ind. Competitiveness
- Open Innovation
- Strengthening ERA
- Euratom

* This envelope includes EUR 3.5 billion allocated under the InvestEU Fund.

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