



ESPON Seminar
Change the perspective!
From cross-border to interaction area.
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Horizon Europe objectives

is the Commission proposal for a **€ 100 billion** research and innovation funding programme for seven years (2021-2027)



to strengthen the EU's scientific and technological bases



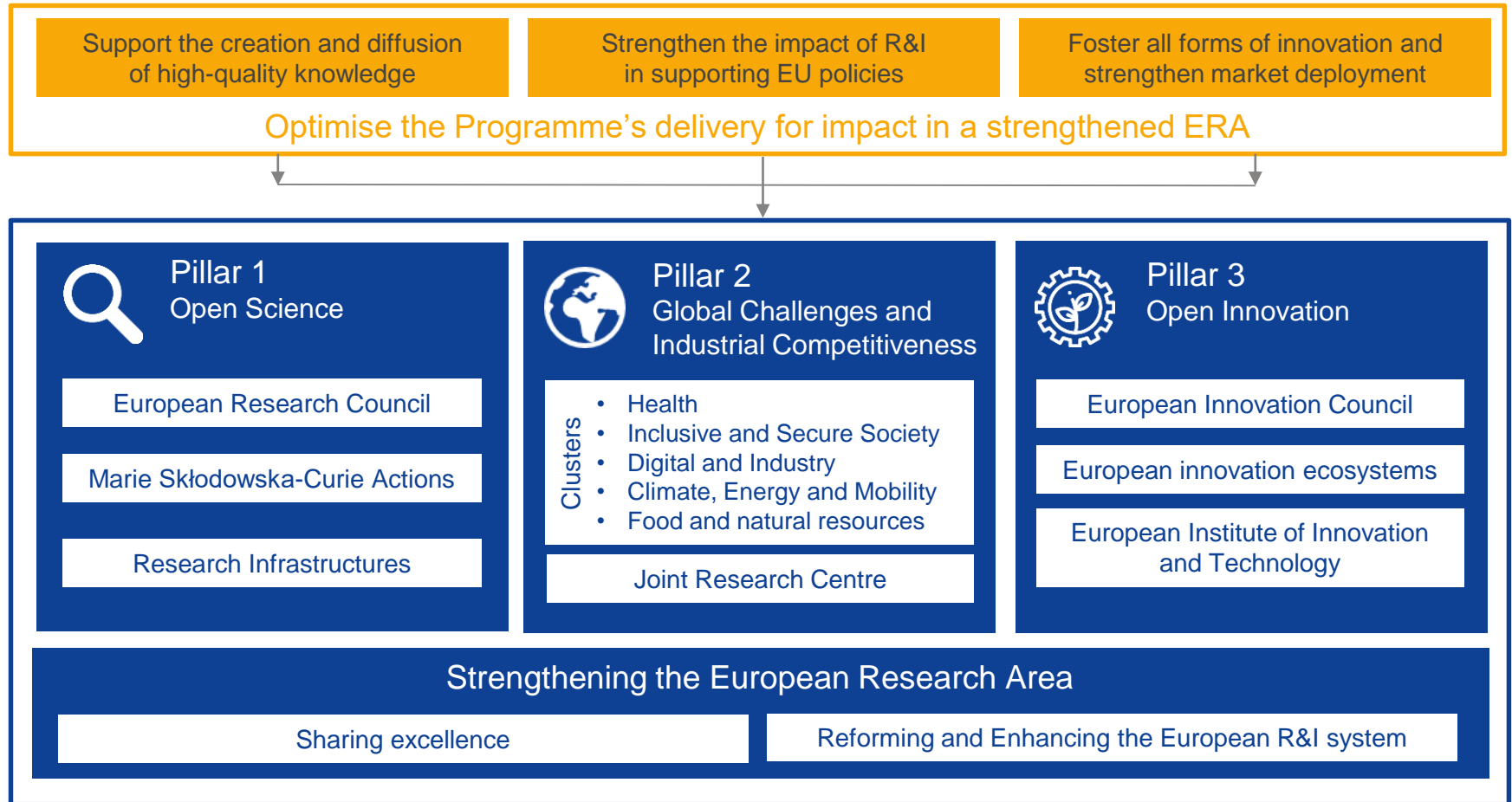
to boost Europe's innovation capacity, competitiveness and jobs



to deliver on citizens' priorities and sustain our socio-economic model and values

€ 4.1 billion are proposed to be allocated for defence research, in a separate proposal for a European Defence Fund

Horizon Europe proposal



Specificities and Complementarities

Horizon Europe	Cohesion Policy (ERDF)
<ul style="list-style-type: none">• Focus on <u>European research and innovation excellence</u>• Focus on <u>frontier research</u>, generation and exploitation of <u>new knowledge</u> and <u>disruptive, market-creating</u> innovations	<ul style="list-style-type: none">• Focus on regional relevance and economic transformation, based on smart specialisation strategies• <u>Broad innovation concept</u>; focus on <u>diffusion and exploitation of existing knowledge & technology</u> to places that need it
<ul style="list-style-type: none">• Quality-based competition for funds, incl. beyond EU	<ul style="list-style-type: none">• Focus of support on where it is most needed inside the EU
<ul style="list-style-type: none">• Predominantly trans-national projects and consortia	<ul style="list-style-type: none">• Predominantly "mono-beneficiaries" or actors in the same country/region (exception: Interreg)
<ul style="list-style-type: none">• Focus on R&I <u>activities</u> and "<u>R&I community</u>" in view of contributing to other policies• Centralised Management	<ul style="list-style-type: none">• Focus on R&I <u>capacities</u> and innovation ecosystem development, as one part of a <u>comprehensive policy</u> with sustainable & inclusive growth and a broad partnership• Shared Management

See:

- A renewed European Agenda for Research and Innovation - Europe's chance to shape its future (COM(2018) 306)
- Explanatory memoranda of proposals for HEU and CPR/ERDF

Practical Example already at work: Synergies through Sequential Funding

Key issue: Link and/or align strategies (S3 & HE governance, European Partnerships, contract level links ...) and connect actors from regional development and research "communities".

Example for "up-stream" synergies:

- **ERDF** support for improving and developing **R&I eco-systems**, incl. infrastructures, administrative capacities, interaction between innovation actors, **smart specialisation processes** and governance
 - ▶ **Prepares for HE participation**
- **H2020** support to develop **business plans for centers of excellence** ("sharing excellence"), "industrial pilot test-beds" or feasibility of **research infrastructures**
 - ▶ **Facilitates application for ERDF funding for the infrastructure**

Example for "down-stream" synergies:

- **Horizon (2020&Europe) results** to be analysed in view of funding their further development, testing, etc. (e.g. "Innovation Radar")
 - ▶ **ERDF can carry further Horizon/FP results** towards marketable products, integration in value-chains, take-up in less innovative regions and countries, etc.

Other possible types of synergies

- Combining funding from Horizon 2020 and the ESIF (and/or from other sources) for coordinated parallel actions that complement each other
- Bringing together funding from Horizon 2020 and the ESIF in an integrated research and innovation project that could be a single action or a group of inter-dependent actions or operations
- Providing funding from alternative sources. **Seal of Excellence (SoE)**: high-quality label awarded to projects submitted to Horizon 2020 which were deemed to deserve funding but did not receive it due to budget limits. Currently awarded to SME instrument, MSCA, Teaming, (ERC PoC in preparation).
- Voluntary transfer of Cohesion Policy allocations to Horizon Europe (proposed): MS may request transfer of up to 5 % of their programme resources to any other EU Fund or instrument under shared, direct or indirect management (Art. 21 CPR)
- Interreg “interregional innovation investment” instrument (proposed). Aims to facilitate the development of value chains by helping smart specialisation partnerships cooperate in investments in shared priority areas.

COST programme

- Intergovernmental Framework for transnational **C**ooperation in **S**cience and **T**echnology (since 1971)
- Networking of nationally funded research projects-> up-scaling and leveraging effects
- Bottom-up and excellence principle -> open to all disciplines, science and technology (S&T) ideas and to all categories of partners
- Reaches far beyond EU-> 39 COST Member States + Near Neighbourhood Countries + International Partners; On average 25 countries per networking action, duration 4 years
- EU funding 300 Million under Horizon 2020
- Proven success record for integration of new players from less RTD performing countries into European research activities
- Dedicated Inclusiveness Policy with a gender, career stage and geographical (widening countries) component
- Low entry mechanism for excellent researchers from widening countries due to openness and bottom-up principle
- Openness of networks allows easy access for newcomers
- Established network of COST National Co-ordinators (CNC) to mobilise national research communities
- Connecting pockets of excellence

Practical Examples (Interreg)

- International Iberian Nanotechnology Laboratory INL (Portugal) - Building a center of excellence in applied nanotechnology research; leading up to successful Horizon participation; Construction phase: €30 million ERDF and co-financing from Interreg Spain-Portugal.
- Bio Base Europe (Belgium) – Open innovation and education centre for the biobased economy; established with the support from ESIF (Interreg Flanders/Netherlands)
- Trans2care –Trans-regional Network for Innovation and Technology Transfer to Improve Health Care (Interreg Italy & Slovenia) – prepares researchers through focused training to compete in Horizon 2020
- Joint Baltic Sea research and development programme BONUS addresses the challenges facing the Baltic Sea - closely aligned with many of the objectives and horizontal actions of the EU Strategy for the Baltic Sea Region and synergies with the Interreg Baltic Sea Region programme

EU Funds working together for jobs and growth Examples of synergies between the Framework Programmes for Research and Innovation (Horizon 2020) and the European Structural and Investment Funds (ESIF): <http://ec.europa.eu/research/pdf/publications/ki-01-16-339-en-n.pdf>

Horizon Policy Support Facility: Mutual Learning Exercise on National Practices in Widening Participation and Strengthening Synergies: <https://rio.jrc.ec.europa.eu/en/policy-support-facility/mle-national-practices-widening-participation-and-strengthening-synergies> contains examples of Interreg-Horizon2020 synergies at operation level

Thank you!

