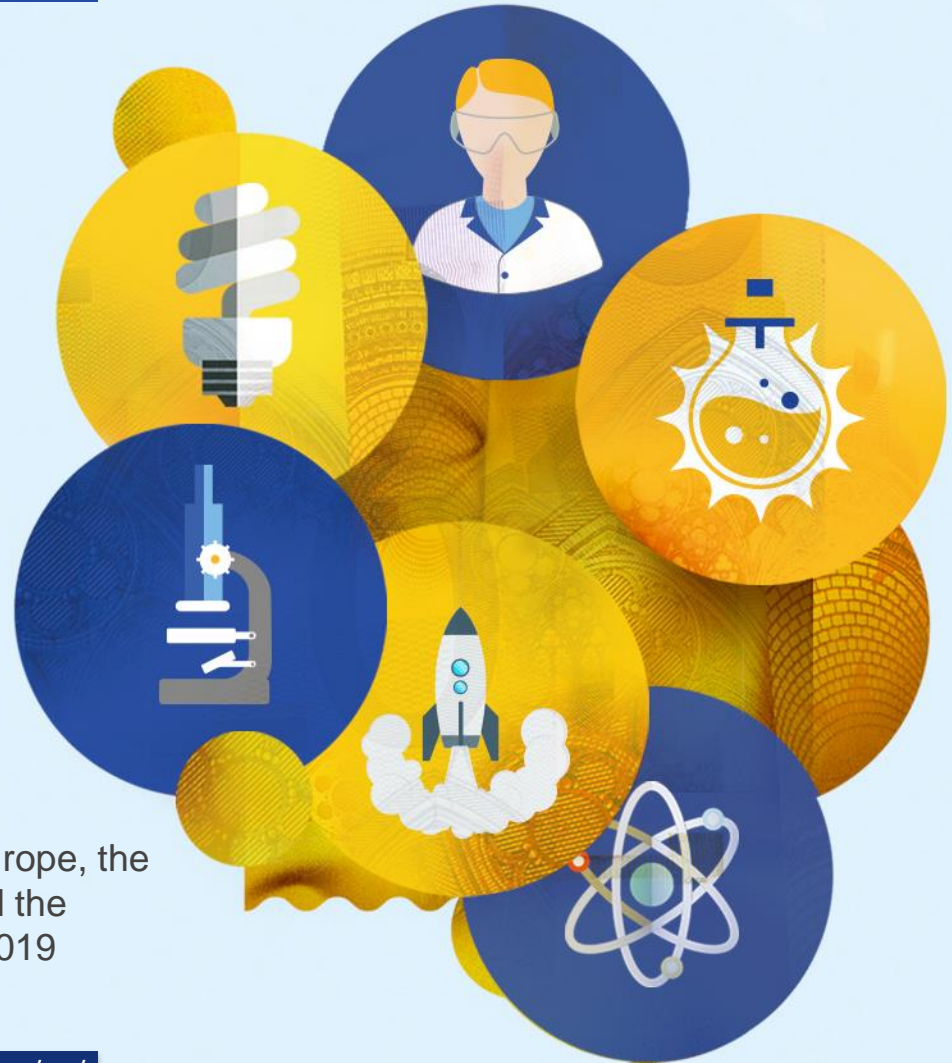


Horizon Europe

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

#HorizonEU

Based on the Commission Proposal for Horizon Europe, the common understanding between co-legislators and the Partial General Approach, both approved in April 2019



Our vision

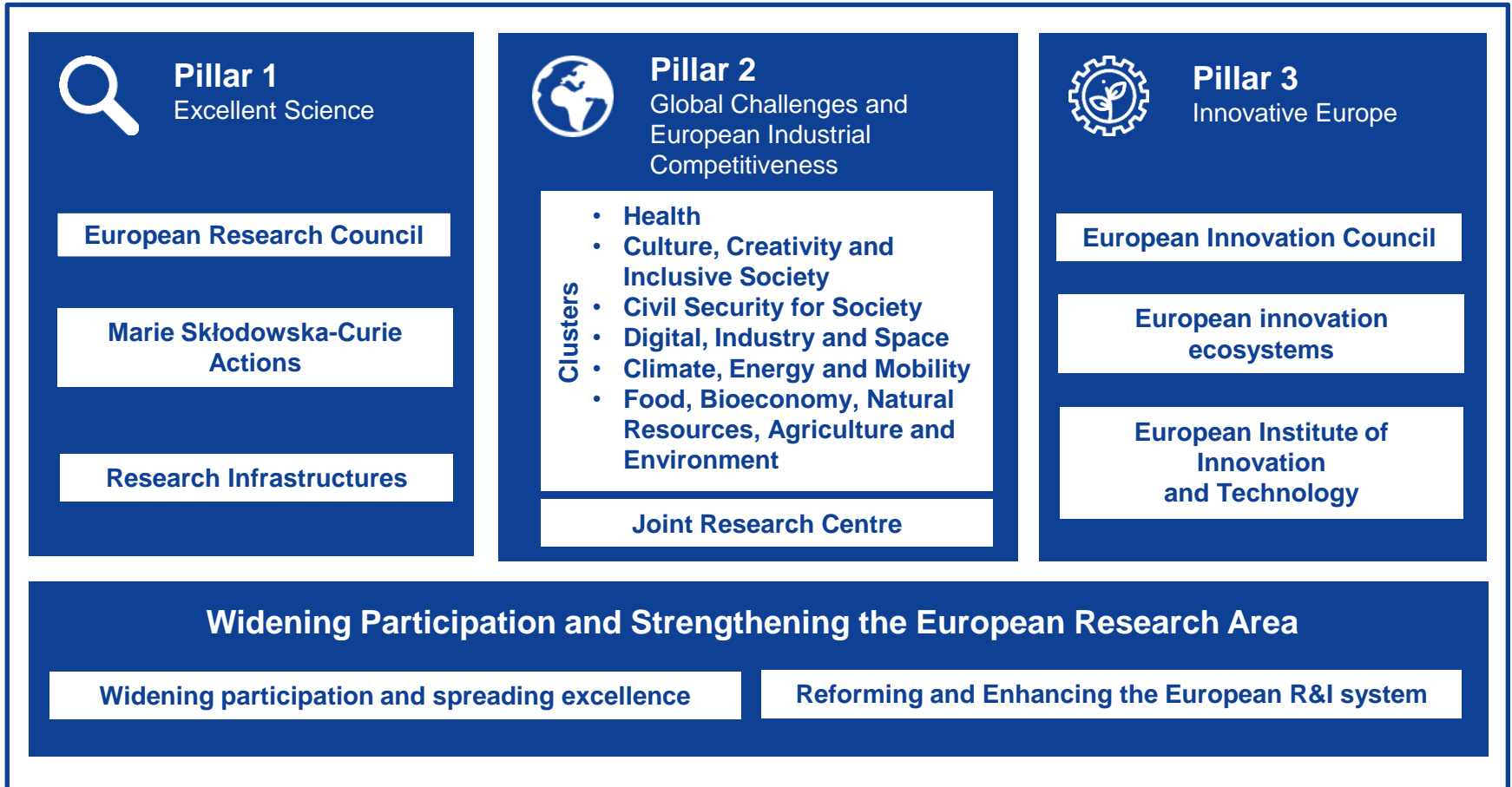
A sustainable, fair and **prosperous** future for **people** and **planet** based on European values.

- Tackling **climate change** (35 % budgetary target)
- Helping to achieve **Sustainable Development Goals**
- Boosting the Union's **competitiveness and growth**

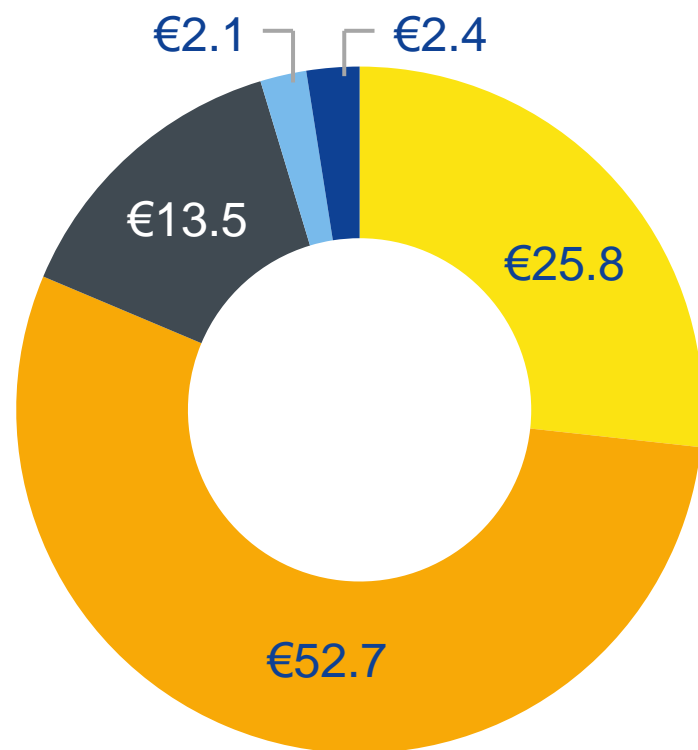


Credits: <https://www.un.org/sustainabledevelopment/sustainable-development-goals/>

Horizon Europe: Preliminary structure



Commission proposal for budget: €100 billion* (2021-2027)



€ billion
In current prices

- Excellent Science
- Global Challenges & European Ind. Comp.
- Innovative Europe
- Widening Part. & ERA
- Euratom

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

Horizon Europe – Central elements

Lessons Learned

from Horizon 2020 Interim Evaluation

Key Novelties

in Horizon Europe



Support breakthrough innovation



European Innovation Council



Create more impact through mission-orientation and citizens' involvement



R&I Missions



Strengthen international cooperation



Extended association possibilities



Reinforce openness



Open science policy



Rationalise the funding landscape



New approach to Partnerships



Encourage participation



Spreading Excellence

Rules for participation: continuity and simplification



European Innovation Council

Support to innovations with breakthrough and disruptive nature and scale up potential that are too risky for private investors (**70% of the budget earmarked for SMEs**)

**European
Innovation Council
– a one-stop-shop**

Helping innovators create markets of the future, leverage private finance, scale up their companies, Innovation centric, risk taking & agile, proactive management and follow up

Two complementary instruments bridging the gap from idea to investable project

Pathfinder: grants
(from early technology
to pre-commercial)

Accelerator:
grants only & blended finance
(from pre-commercial
to market & scale-up)



R&I Missions



R&I 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 (drawing on inputs from other pillars)

Adaptation to climate change, including societal transformation



Cancer

Mission areas



Healthy oceans, seas, coastal and inland waters



Climate-neutral and smart cities



Soil health and food



New approach to European Partnerships

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

Key features

- **Simple architecture and toolbox**
- **Coherent life-cycle approach**
- **Strategic orientation**

Co-programmed

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

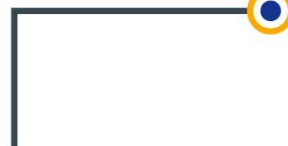
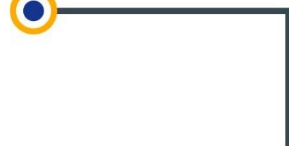
Co-funded

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

Institutionalised

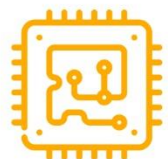
Based on long-term dimension and need for high integration; partnerships based on Articles 185 / 187 of TFEU and the EIT-Regulation supported by Horizon Europe

Health innovations



Sustainable bio-based solutions

Key digital and enabling technologies



Hydrogen and sustainable energy storage

Metrology



Clean, connected mobility

EU air traffic, aviation and rail



Innovative SMEs

Areas for possible Institutionalised European partnerships (based on Article 185/7 TFEU)



European Commission



International Cooperation

International Cooperation

Tackling together global societal challenges; access to the world's best talents, expertise and resources; enhanced supply and demand of innovative solutions

Extended openness to association

- Third countries with good capacity in science, technology and innovation
- Taking into account objective of driving economic growth in Europe through innovation
- General opening for international participation
- Intensified targeted actions (flagship initiatives, joint calls, etc.)



Open Science across the programme

Open Science

Better dissemination and exploitation of R&I results and support to active engagement of society

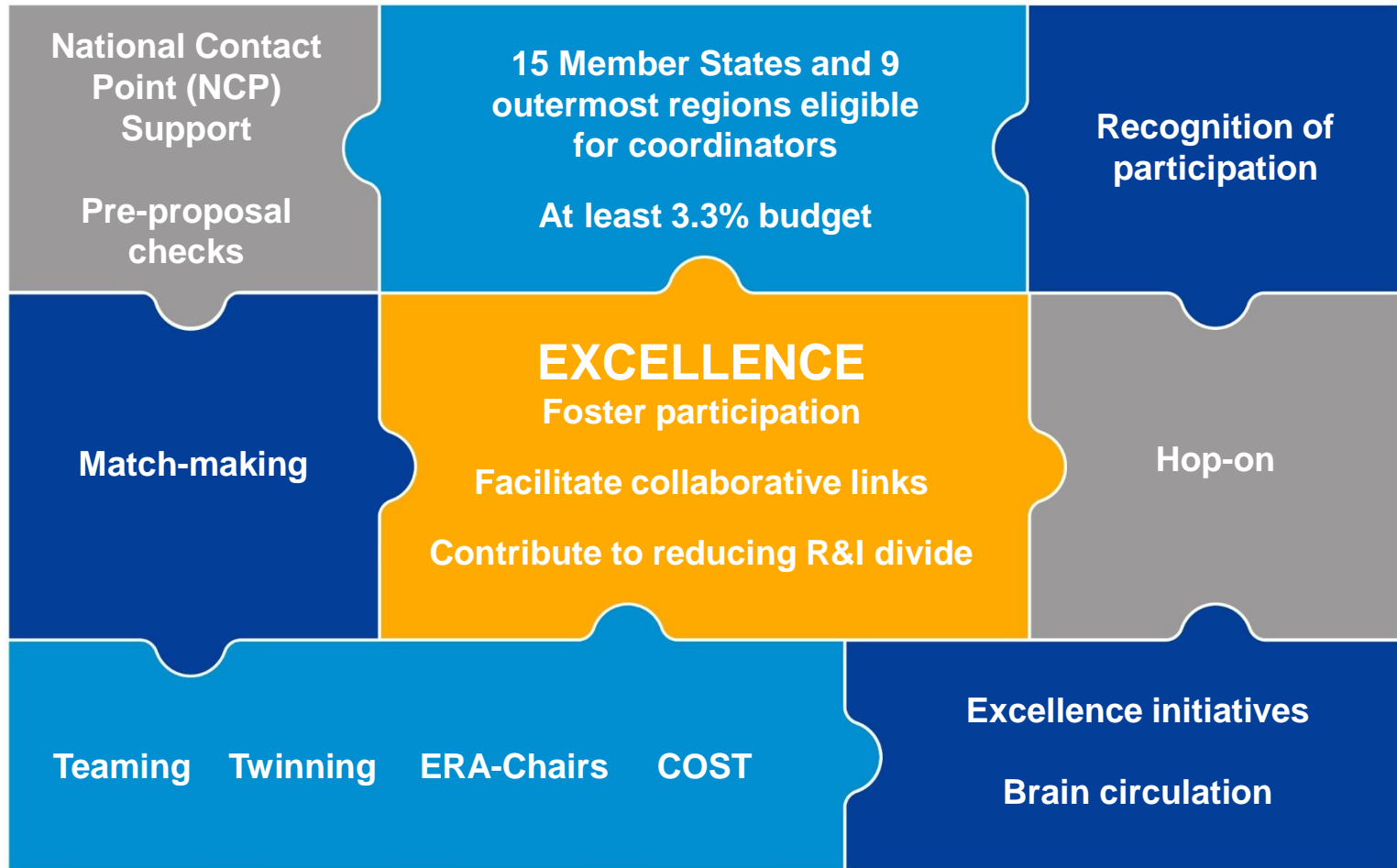
Mandatory Open Access to publications: beneficiaries shall ensure that they or the authors retain sufficient intellectual property rights to comply with open access requirements

Open Access to research data ensured: in line with the principle "as open as possible, as closed as necessary"; Mandatory Data Management Plan for FAIR (Findable, Accessible, Interoperable, Re-usable) and Open Research Data

- Support to researcher skills and reward systems for open science
- Use of European Open Science Cloud



Widening participation/spreading excellence



Simple and fit for purpose rules

- Further alignment to the Financial Regulation
- Increased use of **simplified forms of grants** where appropriate (building on the H2020 lump sum pilot experience)
- Broader acceptance of **usual cost accounting practices**
- Enhanced **cross-reliance on audits** benefiting beneficiaries taking part in several Union programmes

while ensuring continuity and consistency for beneficiaries by maintaining

- Attractive H2020 funding model, including up to 100% funding rate of direct costs
- Single set of rules principle

Commission proposal for synergies with other Union programmes

Horizon Europe



Other Union Programmes, including

Common Agricultural Policy
ERDF
External Instrument
Maritime & Fisheries Fund
InvestEU

LIFE
Connecting Europe Facility
ESF+
Digital Europe
Space Programme

Erasmus
Innovation Fund
Internal Security Fund
Single Market Programme



Enhanced synergies

Compatibility

Harmonisation of funding rules; flexible co-funding schemes; pooling resources at EU level

Coherence and complementarity

Alignment of strategic priorities in support of a common vision

Horizon Europe – implementation, prioritisation and impact

Strategic Plan for implementing Horizon Europe

The Strategic Plan (*new implementing act by the Commission*) will prepare the content in the work programmes and calls for proposals for the first four years

- Strategic orientation for R&I support, expected impacts
- Partnerships and missions
- Areas for international cooperation
- Issues such as:
 - Balance between research and innovation
 - Social Sciences and Humanities
 - Key Enabling Technologies and strategic value chains
 - Gender
 - Ethics and integrity
 - Dissemination and exploitation

Strategic plan gives direction to the work programme



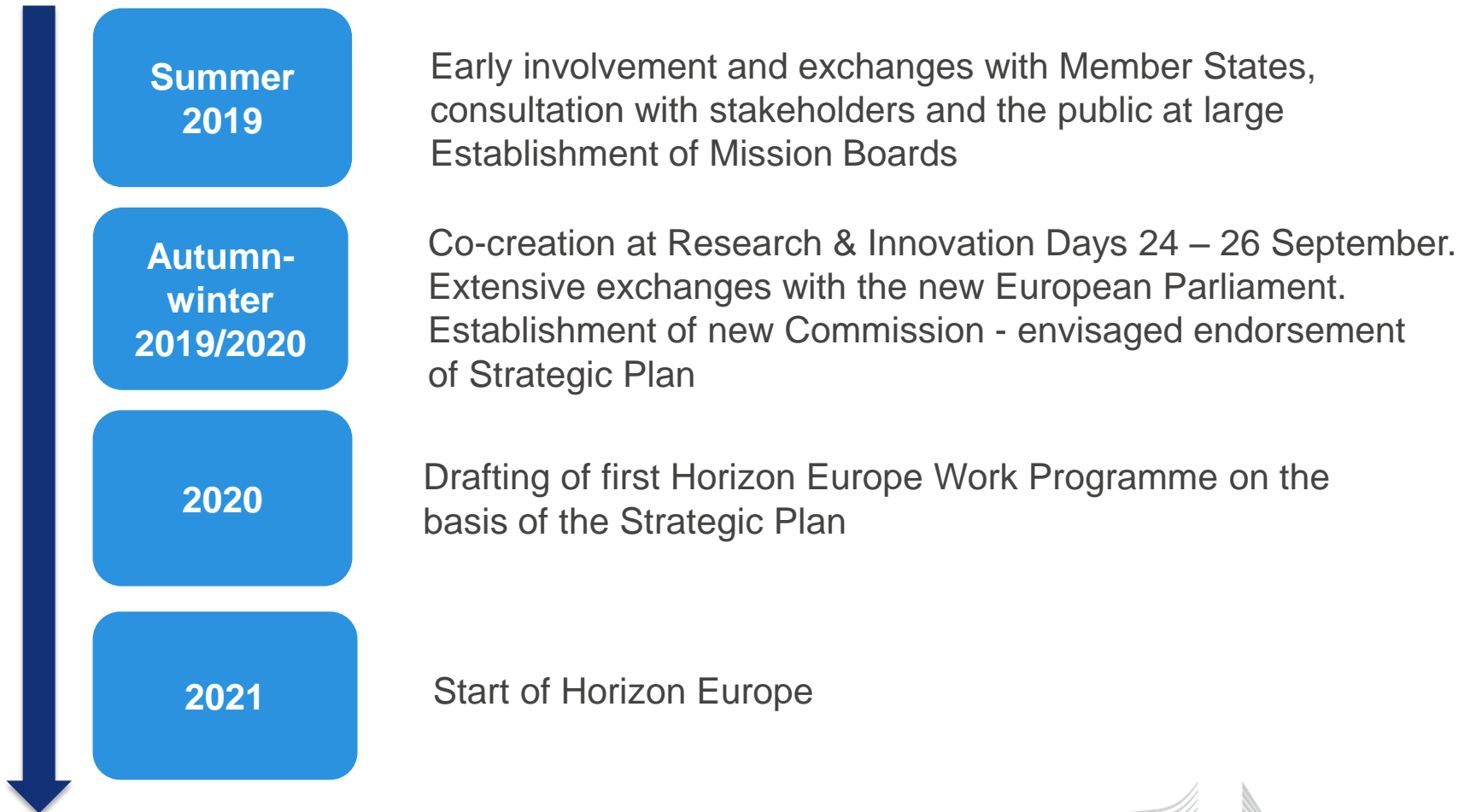
Main Features

Early involvement and extensive exchanges with Member States

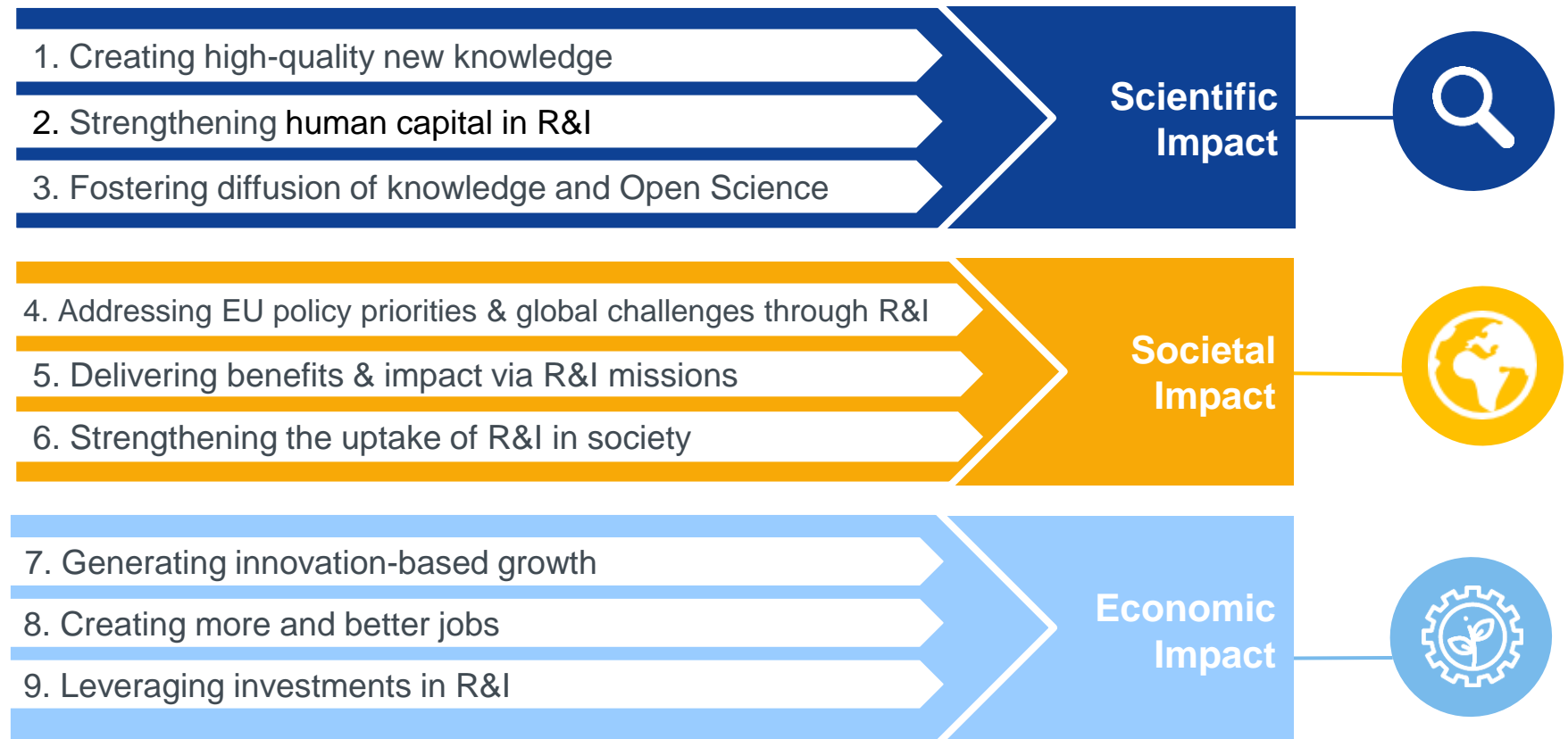
Extensive exchanges with the European Parliament

Consultations with stakeholders and public at large

Steps towards the first Horizon Europe work programme



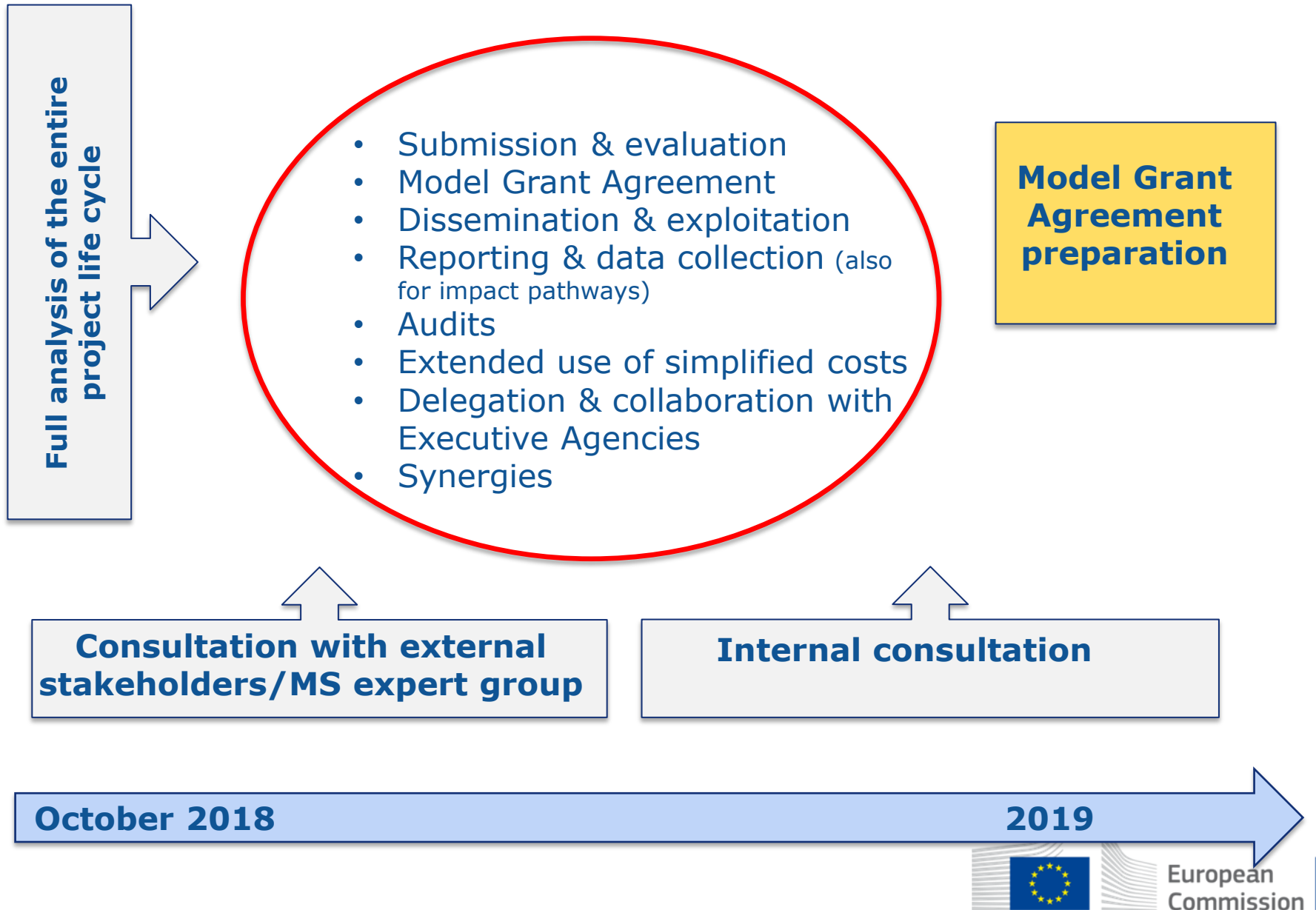
Key impact pathways to track progress



Implementation strategy

- The **Implementation Strategy** will be an essential component for **delivering the objectives** of Horizon Europe, **in practice**;
- It will embrace all the processes involved in running calls, selecting proposals and managing projects, with **joined-up systems** and **common principles**.
- It will ensure that the new programme is managed according to highest standards, **maximizing the impact** of every Euro spent;
- The strategy will build on successful experience to date, but taking account of **lessons learned**, and also **adapted to the new features of Horizon Europe**.

Review of changes needed for Horizon Europe



Implementation strategy – Ongoing final steps

- Ongoing consultations
- Consolidating and co-drafting of the Implementation Strategy
- Key milestones
 - **R& I Days** 24-26 September in Brussels
 - **National and Regional Stakeholder events**
 - **Co-design exercise through web survey**, closed 4 October (analysis ongoing)
 - **Member States experts group** meetings on **Model Grant Agreement** in July and November

Co-design exercise on Horizon Europe Implementation Strategy

Have your say

ON THE IMPLEMENTATION
OF HORIZON EUROPE

Deadline extended to **4 October 2019**



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#HorizonEU



The survey covers the entire project life cycle, from organisation of calls, proposal submission and evaluation up to efficient reporting and exploitation of results.



Feedback from the Horizon Europe Co design – Implementation (online consultation / R&I Days)

Key messages

- General **acknowledgement of simplifications introduced in H2020**, considered as good starting point.
- Clear **endorsement of the continuity in the implementation from Horizon 2020 to Horizon Europe**.
The approach “evolution, not revolution” taken by the Commission for the rules for participation and, by extension in a wider sense, to the implementation of the new programme is appreciated by respondents

Feedback from the Horizon Europe Co design – Implementation (online consultation / R&I Days)

Some key messages per business processes

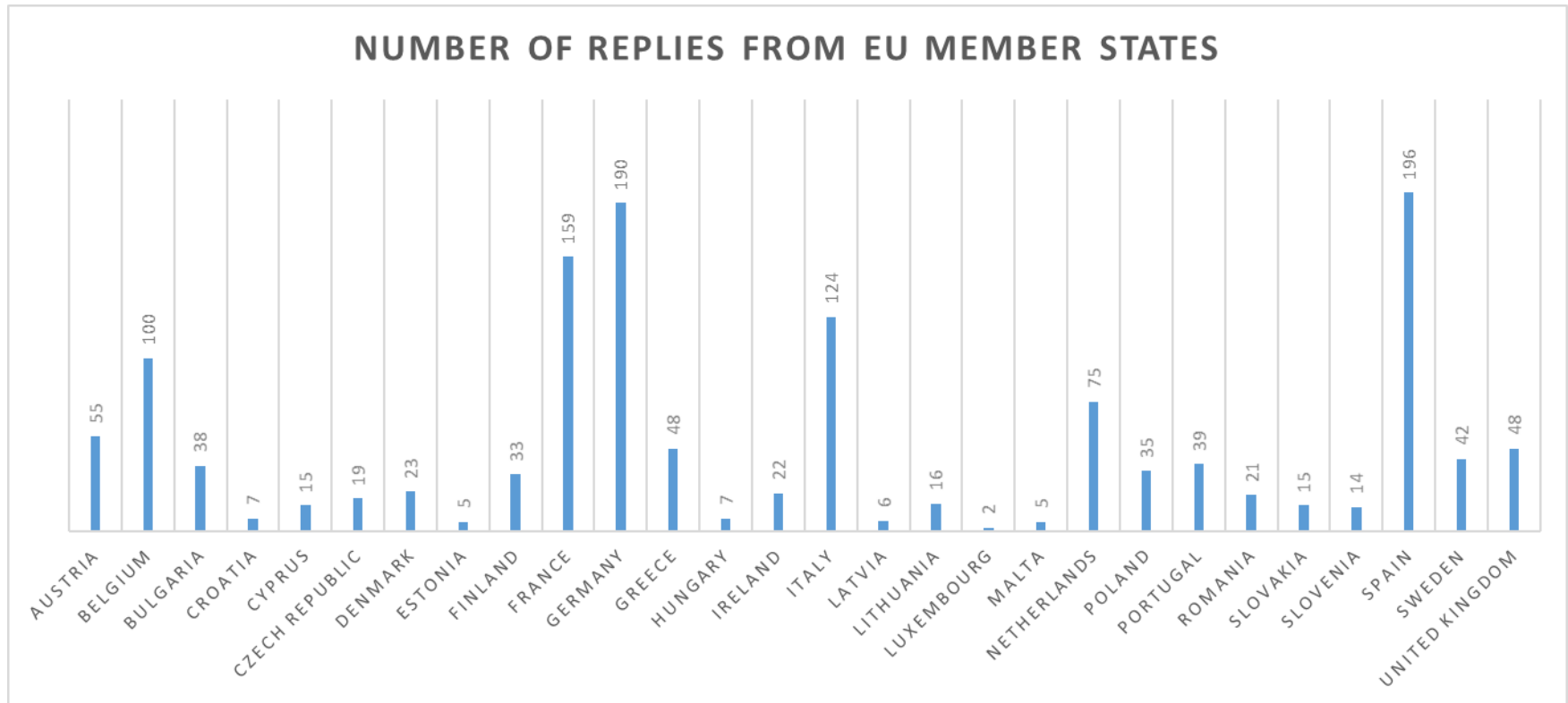
- **Work programme:** feedback underlines convenience to move towards less prescriptive topics and less complex calls.
- **Submission process:** respondents consider substantial margin for simplification, suggest shortening the proposals, simplifying the templates and removing non-core R&I parts.
- **Evaluation:** request of improving evaluation feedback, more extensive use of two-stage evaluation, introducing interviews with proposers, improving the quality of experts involved, or involving civil society actors in the evaluation process.

Feedback from the Horizon Europe Co design – Implementation (online consultation / R&I Days)

Some key messages per business processes

- **Project management:** need to improve IT systems and the Funding and Tenders Portal, simplify the amendment process, improve automatic notifications, provide a channel for continuous feedback. Furthermore, some respondents highlight that individual POs should not set stricter requirements than the standard ones.
- **Audits & control:** respondents would like to be allowed to use their own accounting practices and request a more transparent audit process and a stronger link of CFS to 2nd level audit.

French replies to online consultation



- **High participation:** 159 out of 1550 replies
- **Feedback from France in line with overall feedback**

French replies to online consultation

Breakdown by category

Similar distribution as for the full set of responses

- **Type of organisations represented:**
 - 45% universities and research organisations
 - 31% business and industries
 - NGOs (6%), public authorities (5%), International organisations (2%), Other (11%)
- **Interest in the Framework Programme:**
 - 79% are currently participating in a project funded by a EU R&I framework programme
 - 15% have participated/submitted a proposal before
 - 6% have not participated before but are interested in the programme

French replies to online consultation

Main messages

■ Simplification:

- Acknowledgment of simplification efforts under Horizon 2020 and call for further simplification in Horizon Europe
- Call for simplified rules, more aligned with beneficiaries' usual practices (*concern over corporate formula to determine personnel costs, wider reliance on beneficiaries' usual accounting practices*)
- Call for simpler templates (*proposal submission, reporting...*)
- Call for fostering synergies between EU programmes

French replies to online consultation

Main messages

- **Feedback and transparency:**
 - Improving transparency of the selection process
 - Improving feedback to applicants
 - Improving the selection of experts
- **Specific remark on Work Programme:**
 - Many answers underline the necessity to have good balance between low Technology Readiness Level (TRL) calls and higher TRL calls, to cover the different research fields



Thank you!

#HorizonEU

<http://ec.europa.eu/horizon-europe>