



## INTRO: WHY HORIZON EUROPE?



## PARTNERSHIPS



## PILLARS



## TYPES OF ACTION



## MISSIONS



## Q/A SESSION



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**



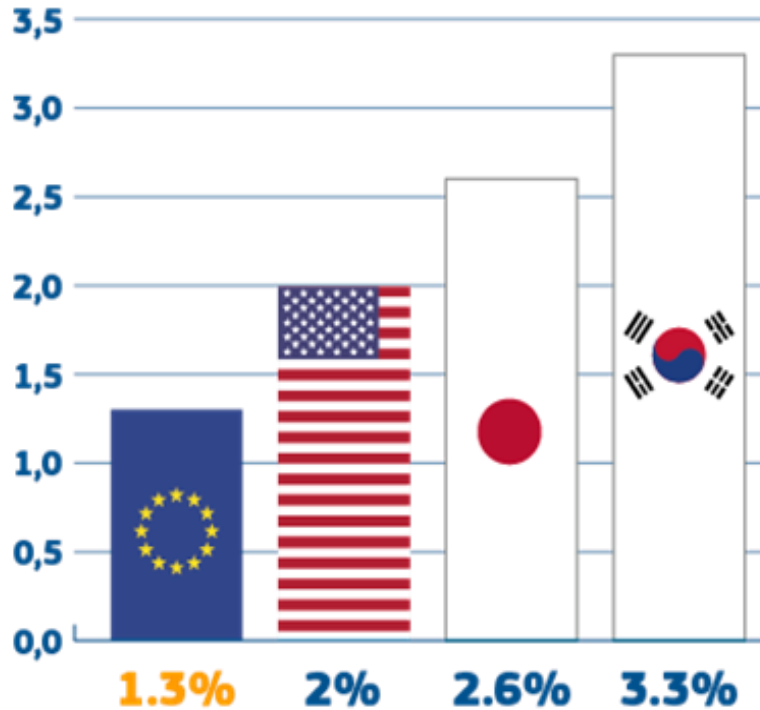


## Some key figures about Europe:

- **7%** of the world's population
- **20%** of global R&D
- **1/3** of all high-quality scientific publications



# ...Europe can do better at transforming this into leadership in innovation and entrepreneurship

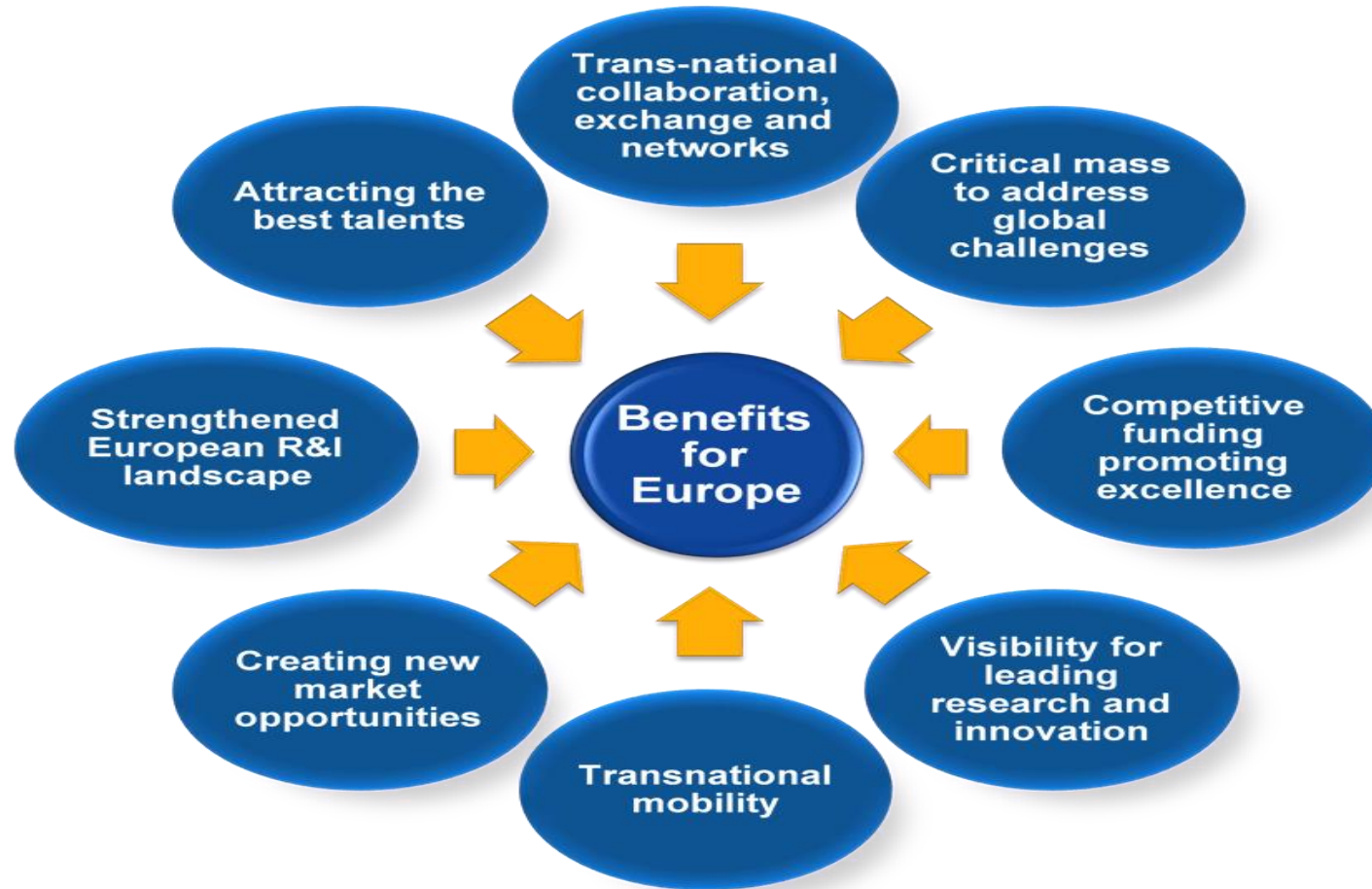


Business R&D investment

## The evolution of the Horizon Europe budget

	Original Commission proposal (2018)	EU Council compromise (February 2020)	Latest Commission proposal (May 2020)	EU Council compromise (July 2020)	EU Council negotiation box (18 July)	EU Council negotiation box (20 July)
<b>Horizon Europe funding in 2018 prices (€ billions)</b>						
<i>From basic EU budget (MFF)</i>	83.5	80.9	80.9	75.9	75.9	75.9
<i>From recovery fund (Next Generation)</i>	NA	NA	13.5	13.5	11.5	5
<b>Total Horizon Europe funding</b>	83.5	80.9	94.4	89.4	87.4	80.9
<b>Horizon Europe funding in inflation-adjusted "current" prices (€ billions)</b>						
<i>From basic EU budget (MFF)</i>	94.1	91.1	91.18	NA	NA	NA
<i>From recovery fund (Next Generation)</i>	NA	NA	14.65	14.65	NA	NA
<b>Total Horizon Europe funding</b>	94.1	91.18	105.83	NA	NA	NA

## Added value through Horizon Europe:





## Pillar 1 Excellent Science

European Research Council

Marie Skłodowska-Curie  
Actions

Research Infrastructures



## Pillar 2 Global Challenges and European Industrial Competitiveness

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

Joint Research Centre



## Pillar 3 Innovative Europe

European Innovation Council

European innovation  
ecosystems

European Institute of  
Innovation  
and Technology

## Widening Participation and Strengthening the European Research Area

Widening participation and spreading excellence

Reforming and Enhancing the European R&I system





A stable legal framework with simplified rules and procedures



Digital administration



A fair, transparent and objective evaluation of proposals



Data reporting, dissemination and exploitation for value creation



Outreach, guidance and support to participants



## In numbers...

### Evolution in participation between FP7 and Horizon 2020:

More than **68%** of participants in Horizon 2020 are “newcomers”.

\*Source: Horizon Dashboard - September 2020



# HORIZON EUROPE – DISCLAIMER



**Disclaimer:** these slides complement the information of the currently available information on Horizon Europe. They aim only to support a preparatory networking exercise. They do not present Horizon Europe Calls nor any future position of the European Commission. Participants are strongly encouraged to rely only on the official Call documents that will be published by EC while preparing their proposals.



## 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

**Commission proposal:  
€ 16.6 billion**

### Marie Skłodowska- Curie Actions

- Equipping researches with new knowledge and skills through mobility and training

**Commission proposal:  
€ 6.8 billion**

### Research Infrastructures

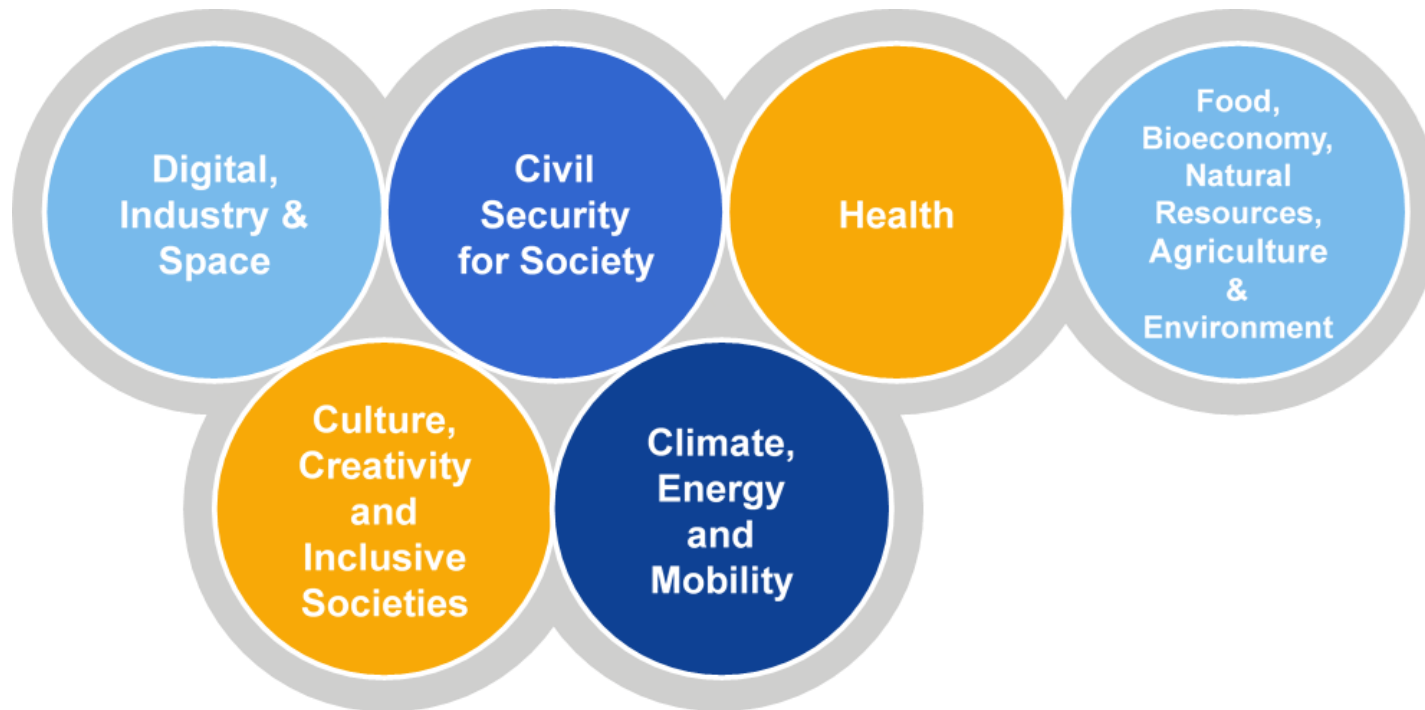
- Integrated and inter-connected world-class research infrastructures

**Commission proposal:  
€ 2.4 billion**



## Global Challenges & European Industrial Competitiveness:

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



## 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 Ecosystem

- Connecting 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

## Widening Participation and Strengthening the European Research Area:

Optimising strengths & potential for a more innovative Europe

### Widening Participation and Spreading Excellence, e.g.

- Teaming & twinning
- ERA Chairs
- COST
- Support to NCPs
- Brain circulation and excellence initiatives
- “Hop-on“

### Reforming and enhancing the European R&I system

- Scientific evidence & foresight
- Open Science
- Policy Support Facility
- Attractive researcher careers
- Citizen science, Responsible Research & Innovation
- Gender equality

**Common understanding: At least 3.3 % of Horizon Europe budget**

**Stimulates more investment in research and innovation,** notably by the private sector; leverages and complements national/regional initiatives

**No market distortion:** intervention only to address financing gaps in the R&I delivery chain (notably due to high risk)

## Support through:

- **InvestEU Fund**
- **InvestEU Assistance**
- **InvestEU Portal**

Leverages an estimated **€ 200 bn** of investments into R&I; **market-based finance** for the exploitation and scale-up of European R&I







## 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**



**Healthy oceans, seas, coastal and inland waters**



**Mission areas**



**Cancer**

**Climate-neutral and smart cities**



**Soil health and food**

# Missions in HE legal text (Regulation)

## *Definitions in the FP Regulation*

*(5) 'mission' means a portfolio of excellence-based and impact-driven R&I actions across disciplines and sectors, intended to:*

- *achieve, within a set timeframe, a measurable goal that could not be achieved through individual actions*
- *have impact on society and policy-making through science and technology*
- *be relevant for a significant part of the European population and a wide range of European citizens;*

## Chairs of the Mission Boards

**Adaptation to Climate Change including Societal  
Transformation:**

**Ms Connie Hedegaard**



**Cancer:**

**Prof Harald zur Hausen**



**Healthy Oceans, Seas, Coastal and inland Waters**

:

**Mr Pascal Lamy**



**Climate - Neutral and Smart Cities:**

**Ms Hanna Gronkiewicz - Waltz**



**Soil health and Food:**

**Mr Cees Veerman**









## New approach to European partnerships: overview

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

### Key features:

- **Simple architecture and toolbox Common set of criteria**
- **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 by partners; commitment of partners for financial and in-kind contributions & financial contribution by Horizon Europe

## 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

## European Partnerships: what is new?

- Only support partnerships if there is evidence that they are **more effectively** achieving policy objectives than Horizon Europe alone
- **Fewer** partnerships with **higher** impacts
- Common and coherent **framework** of criteria along the life cycle of partnerships, across all pillars, even across programmes and other regulations (e.g. EIT, DEP, space)
- Unified **umbrella** branding to improve visibility
- Increase **openness** and encourage a **broader set of actors** to participate
- Improve **coherence** between partnerships and Horizon Europe, also the missions
- **Time limited** with conditions for phasing-out the Programme funding

## Regulation

- Recitals 16 and 17
- Definition 3
- Article 8 - typology – conditions
- Annex III: Partnerships, with criteria for
  - Selection
  - Implementation
  - Monitoring
  - Evaluation, phasing-out and renewal
- Annex Ia: areas for possible

institutionalised European Partnerships  
(based on Article 187 and 185 TFEU)

## Specific Programme

- Article 4a: Identification of co-funded and co-programmed partnerships in the Strategic Plan
  - Strategic coordinating process for European Partnerships

## Horizon Europe documents:

Common understanding on the Framework

<https://data.consilium.europa.eu/doc/document/ST-7942-2019-INIT/en/pdf>

Corrigendum on Annex III :

<https://data.consilium.europa.eu/doc/document/ST-7942-2019-COR-1/en/pdf>

PGA on the Specific Programme:

<https://data.consilium.europa.eu/doc/document/ST-85502019-INIT/en/pdf>

**Impact assessment:** annex 8-5

**In addition: Draft Criteria**

**Framework for European**

**Partnerships:** <https://www.era-learn.eu/documents/wk-14470-2018-init-en.pdf>

## Preparation: step-by-step

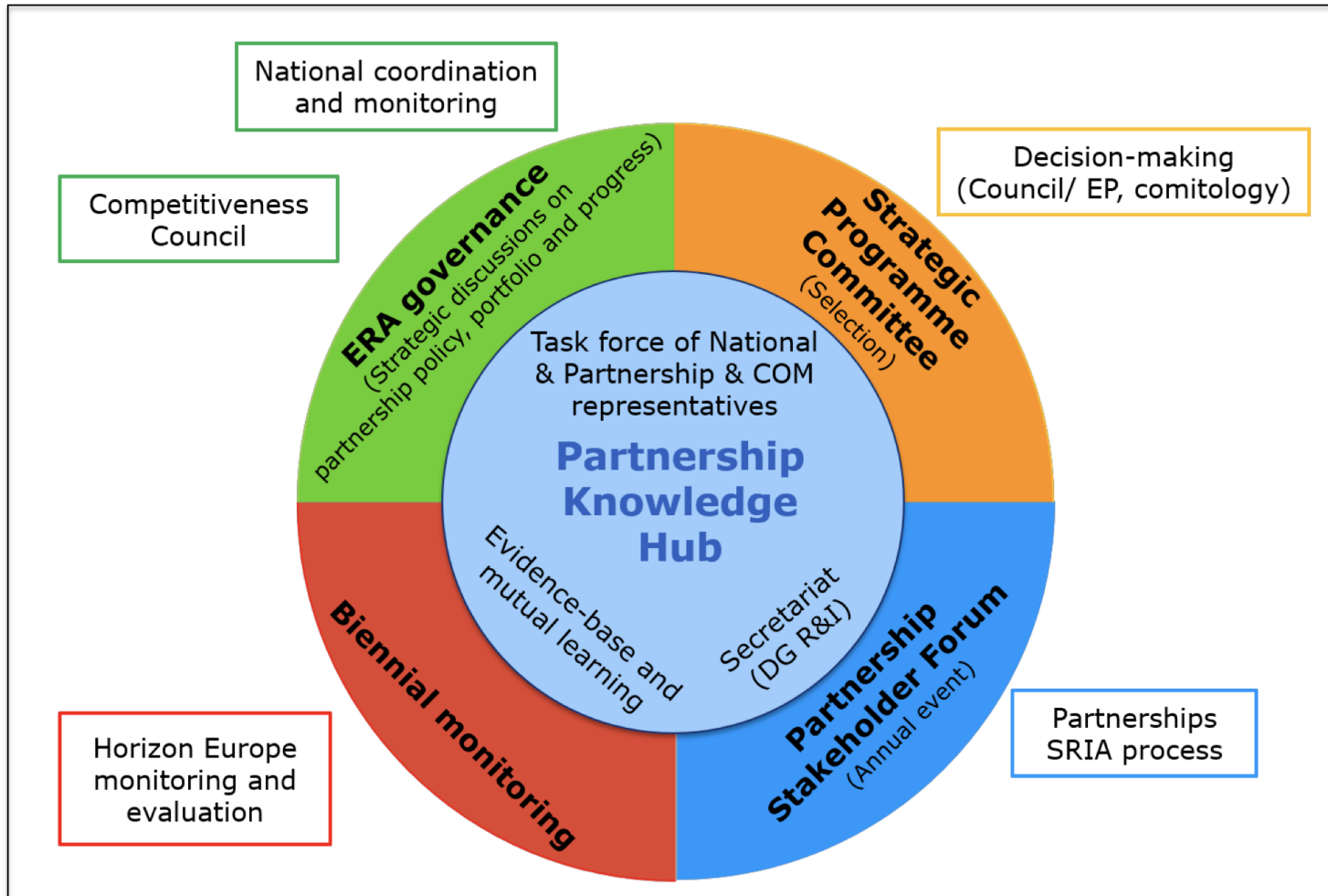
- At the core of the preparation: National research funders/governmental research organisations and national ministries
  - Core tasks:
    - **further elaboration of the partnerships proposal** (in close collaboration/co-creation with COM services)
      - ⚠ necessary to agree on the objectives, expected impacts, compliance with partnership criteria etc.
    - preparation of the **Strategic Research and Innovation Agenda**, and the process that will allow to identify the topics in work plans.
- On that basis: preparation of the **Horizon Europe call text for a programme co-fund action** implementing the European Partnership, subject to comitology and COM decision adopting the WP.
- Consortium of research funders prepares and submits the **proposal for a cofund action** (including the draft annual work plan year 1), subsequent, evaluation, Grant Agreement preparation
- Launch of the European Partnership, preparation and launch of activities, including e.g. calls for proposals
- Annual work plans subject to COM approval.

The consortium has to describe in their proposal the governance for the Partnership (on the basis of prior discussions and agreement with COM)

- **Internal governance of the consortium** (consortium management, including the preparation of the draft annual work plan)
- **External governance with a steering/governing board**, where for example Ministry representatives, COM and if appropriate others organisations have a seat (providing advice and guidance endorsing the annual draft work plan, subject to approval/request for modification by COM)
- **Other elements**, as appropriate, e.g. stakeholder forum, scientific advisory board, deployment board ....

**Important: clearly identify the relevant national representatives that can ensure the initiative is well embedded in the national policies and priorities, and ensure national commitments and contributions.**





- Calls of the Partnership:
  - Can in principle be open as Horizon Europe calls, if agreed by the partners;
  - In the past: funding mostly limited to legal entities from countries that contribute with funding to the call (based on national funding rules), eligibility for (un-funded) participation should always be possible.
  
- Ensure involvement and consultation of relevant stakeholders (beyond partners) and Member States in the development/ validation of Roadmaps/SRIA and the annual priority setting.

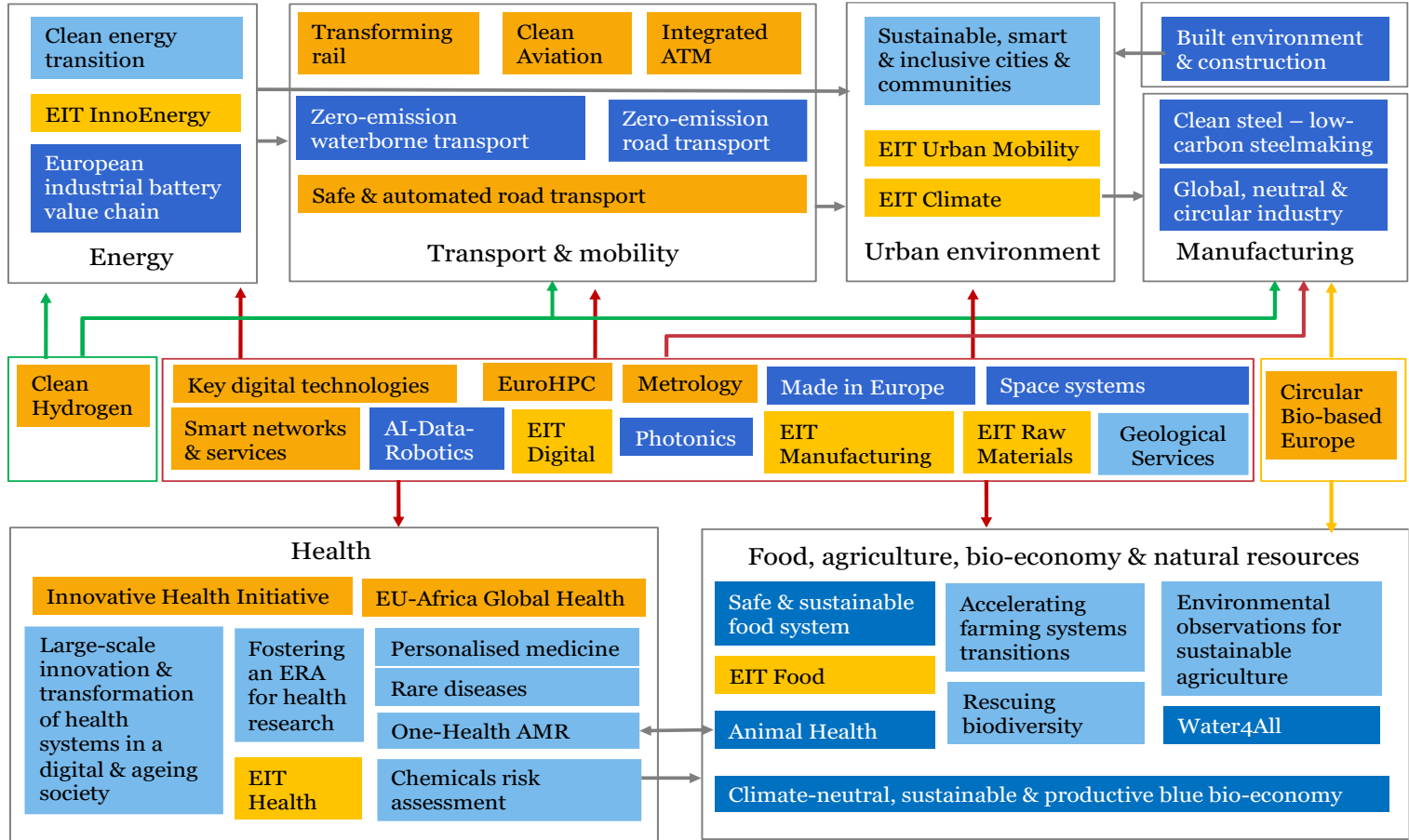
Associated 3 <sup>rd</sup> Countries	Partner	Eligible for participation in projects	Eligible for funding in projects
<b>Co-programmed</b>	In principle yes, subject to policy considerations	Yes	Yes
<b>Co-funded</b>	Yes	Yes, if the country participates and contributes to the call in question, or if call provisions allow for unfunded participation	Yes, if the country participates and contributes to the call in question, or if call provisions allow for funded participation
<b>Article 185</b>	Yes, as participating state	By default yes, unless derogations in the basic act or in the Annual Work Programme limit eligibility for participation	By default yes, unless derogations in the basic act or in the Annual Work Programme limit eligibility for funding
<b>Article 187</b>	In principle yes, subject to policy considerations (for both private partners, and where applicable, as participating state)	By default yes, unless derogations in the basic act or in the Annual Work Programme limit eligibility for participation	By default yes, unless derogations in the basic act or in the Annual Work Programme limit eligibility for funding

Non-associated 3 <sup>rd</sup> Countries	Partner	Eligible for participation in projects	Eligible for funding in projects
<b>Co-programmed</b>	In principle yes, subject to policy considerations	Yes	Yes, if listed in Annex to WP or funded participation necessary
<b>Co-funded</b>	Yes (but only receiving Union contribution , if listed in Annex to WP or special provisions in call text)	Yes, if the country participates and contributes to the call in question, or if call provisions allow for unfunded participation	Yes, if the country participates and contributes to the call in question, or if call provisions allow for funded participation
<b>Article 185</b>	By default no, only if foreseen in the basic act and subject to conclusion of international agreement (as in PRIMA)	By default yes, unless derogations in the basic act or in the AWP limit eligibility for participation	By default yes for countries listed in the Annex to the WP, unless derogations in the basic act or in the AWP limit eligibility for funding
<b>Article 187</b>	In principle yes, subject to policy considerations (for both private partners, and where applicable, as participating state (subject to international agreement)	By default yes, unless derogations in the basic act or in the AWP limit eligibility for participation	By default yes, unless derogations in the basic act or in the AWP limit eligibility for funding

Industry-orientated 'vertical' partnerships

'Horizontal' partnerships

Vertical partnerships in the societal application areas



Technopolis Group

Candidate Institutionalised Partnerships

EIT KIC

Co-Programmed

Co-Funded

CPP or CFP

<b>February/March 2020:</b>	<b>Further elaboration of draft partnerships proposals</b>
<b>March 2020:</b>	Hearings with the Regulatory Scrutiny Board on the ex-ante Impact Assessments for the Article 185/7 initiatives
<b>Q2 2020:</b>	Adoption of the Strategic Plan (tbc)
<b>June 2020:</b>	Adoption of COM proposals for Article 185/7 initiatives and start of negotiations
<b>September 2020:</b>	<b>R&amp;I days</b>
<b>Q2 – Q4/2020:</b>	<b>Definition of call topics for co-programmed and co-funded European Partnerships for the Horizon Europe Work Programme 2021/2</b>
<b>Q4/2020 - Q1/2021:</b>	<b>Adoption of Horizon Europe Work Programme 2021/2</b>







**Direct actions:** research and innovation activities undertaken by the Commission through its Joint Research Centre (JRC)

**Indirect actions:** research and innovation activities to which the Union provides financial support, and which are undertaken by participants

- Research and innovation
- Innovation
- Innovation and market deployment
- ERC frontier research
- Training and mobility
- Programme co-fund
- Pre-commercial procurement
- Public procurement of innovative solutions
- Coordination and support
- Inducement prize
- Recognition prize



Action primarily consisting of activities aiming to establish **new knowledge** and/or to **explore the feasibility** of a new or improved technology, product, process, service or solution. This may include basic and applied research, technology development and integration, testing and validation on a small-scale prototype in a laboratory or simulated environment



Action primarily consisting of activities directly aimed at **producing plans and arrangements or designs for new, altered or improved products, processes or services**, possibly including prototyping, testing, demonstrating, piloting, large-scale product validation and market replication.



Actions embedding an innovation action and other activities necessary to **deploy an innovation in the market**, including the **scaling-up of companies**, providing Horizon Europe **blended finance** (a mix of grant-type funding and private finance)

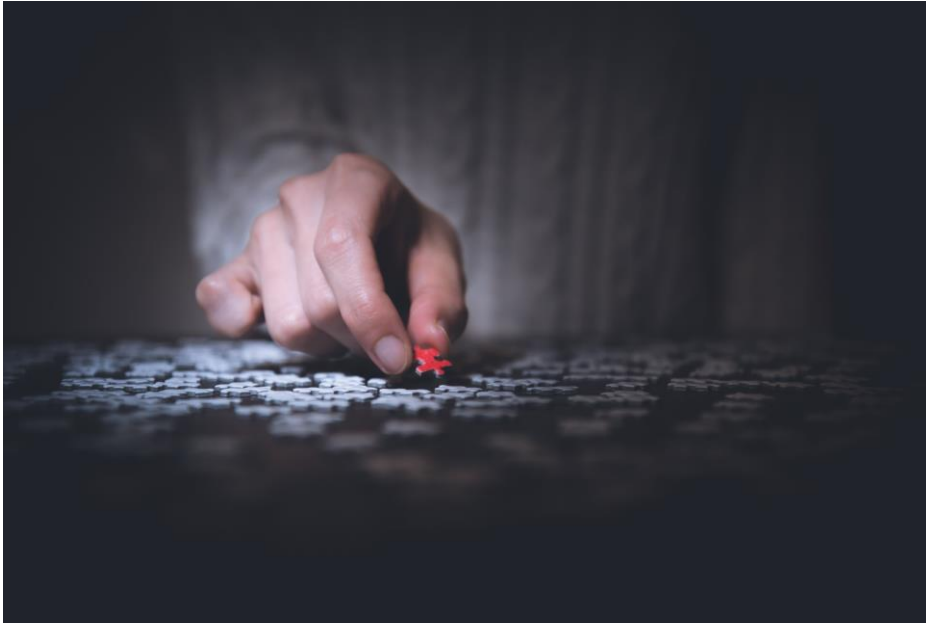




**Principal investigator-led  
research actions, hosted  
by single or multiple  
beneficiaries (ERC only)**



Action geared towards improvement of **skills, knowledge and career prospects of researchers** based on mobility between countries, and, if relevant, **between sectors or disciplines.**



Action to **provide co-funding to a programme of activities established and/or implemented by entities managing and/or funding research and innovation programmes, other than Union funding bodies.** Such a programme of activities may support actions directly implemented by those entities **or by third parties to whom they may provide any relevant financial support** such as grants, prizes, procurement, as well as Horizon Europe blended finance.



**Pre-commercial procurement:** Action with the primary aim of **realizing pre-commercial procurement** implemented by beneficiaries that are **contracting authorities or contracting entities**.

**Public procurement of innovative solution:** Action with the primary aim of **realising joint or coordinated public procurement of innovative solutions** implemented by beneficiaries that are contracting authorities or contracting entities.





Action contributing towards the objectives of the Programme, excluding research and innovation activities, such as standardisation, dissemination, awareness-raising and communication, networking, coordination or support services, policy dialogues and mutual learning exercises and studies



**Inducement prize:** prize to spur investment in a given direction, by specifying a target prior to the performance of the work

**Recognition prize:** Prize to reward past achievements and outstanding work after it has been performed







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REPUBLIC OF TURKEY  
MINISTRY OF INDUSTRY  
AND TECHNOLOGY



COMPETITIVE  
& INNOVATIVE  
GROWTH PROGRAMME



TÜBİTAK

Teşekkür ederim!

Thank you!



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