



**FCT**  
Fundação  
para a Ciência  
e a Tecnologia



# PERIN

*Portugal in Europe Research and Innovation Network*

Carlos Borrego, UA and PERIN Coordinator

*PERIN – doubling Portuguese presence in European Programmes*



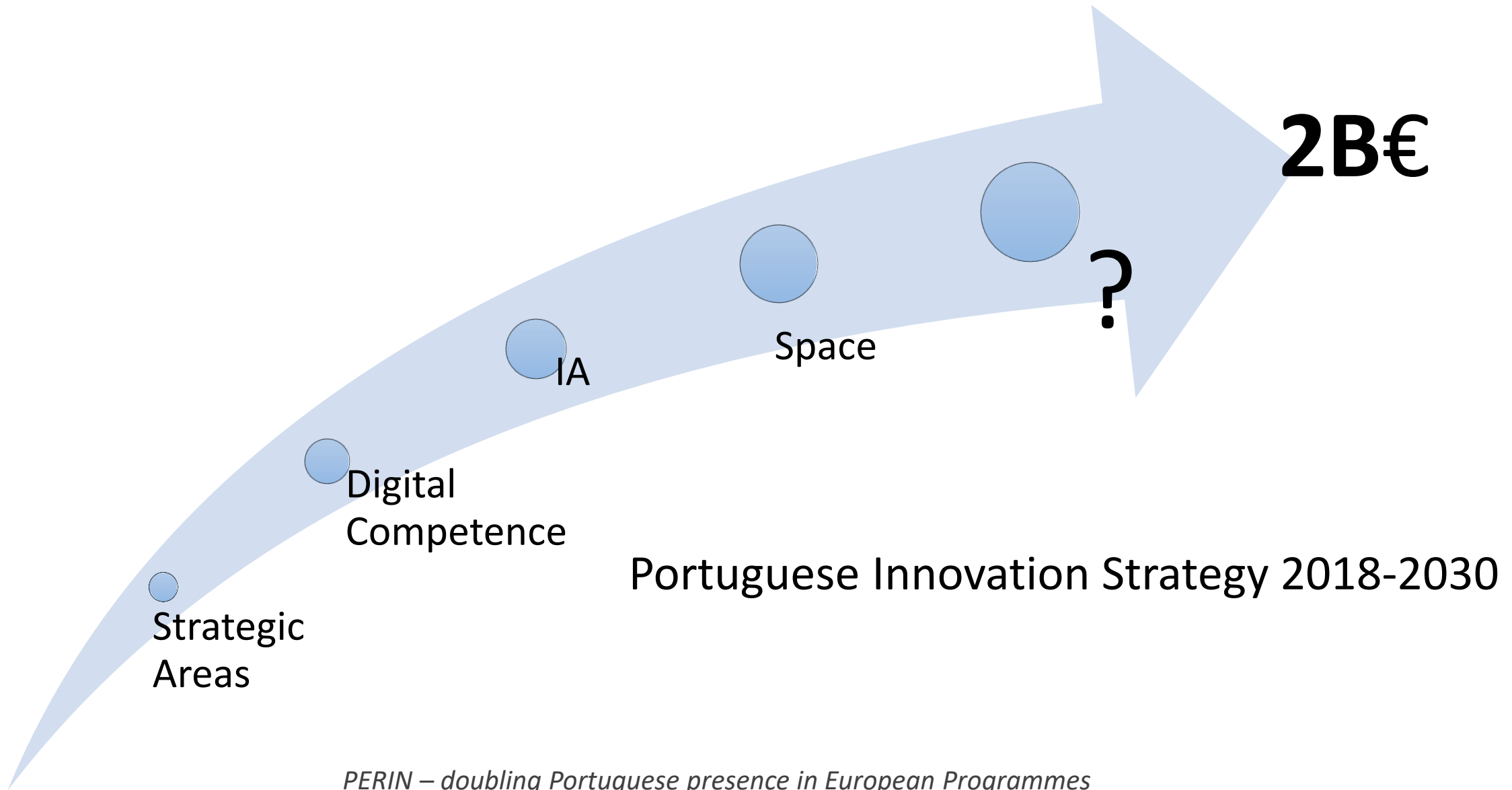
# National participation strategy

- **Promote / strengthen** new European networks in the areas of science, technology and higher education and digital transformation, in close proximity with research and innovation activities;
- **Align networks with** and complementing national position in the world, Portugal's window to the Atlantic and unique relationship with Europe – Africa – Latin America;
- **Internationalisation:** attract and mobilise human resources, joint institutional development, recruiting of faculty and researchers and programme development at a European level;
- **Stimulate** national participation in Digital and Space;
- **Stimulate and promote** national participation in Horizon2020 calls that will bridge on to Horizon Europe;
- **Reinforce and double national participation in the next Framework Programme “Horizon Europe”, with reference to the current values in Horizon2020.**

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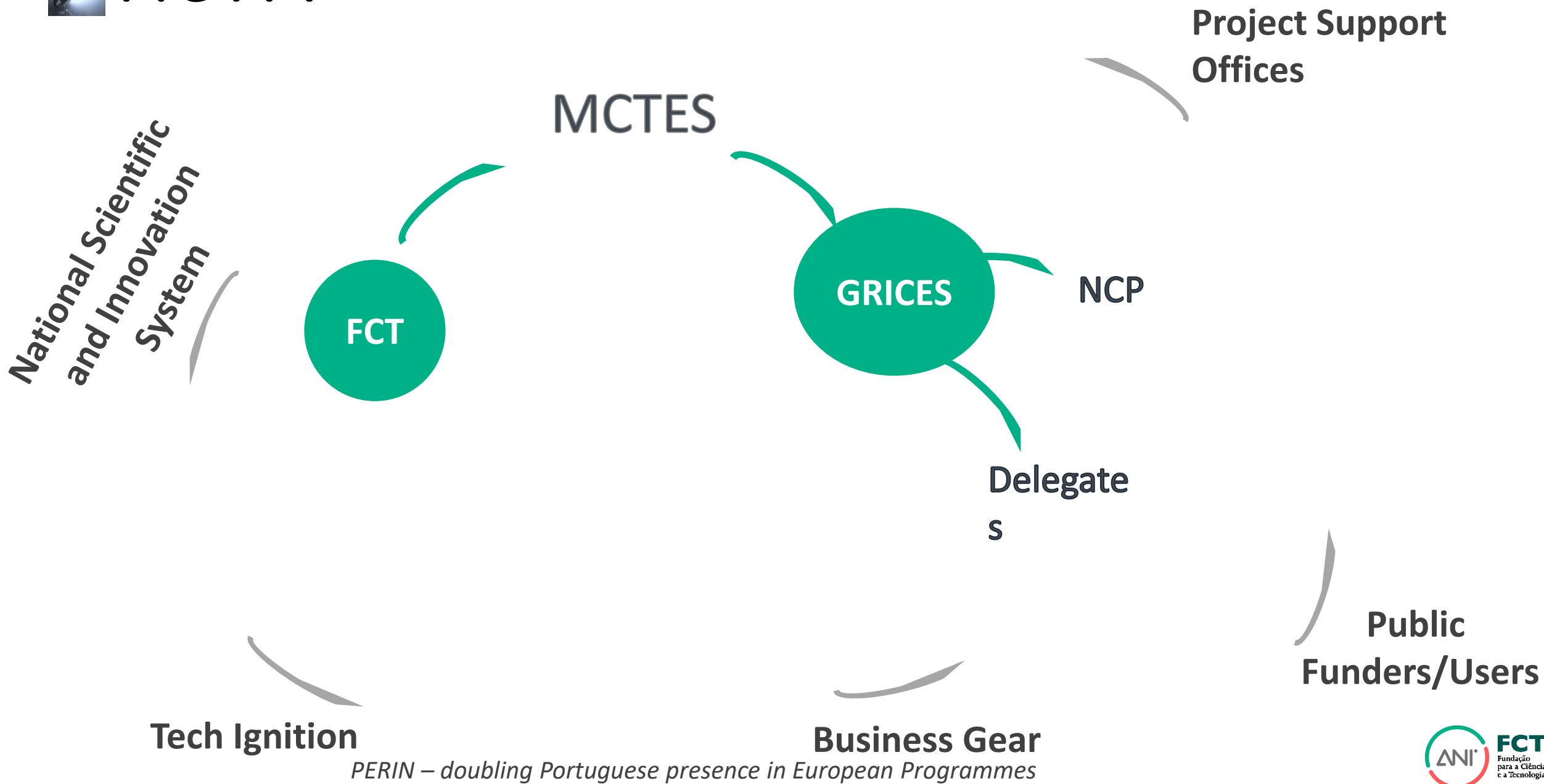
# National participation strategy



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# Pre FP7



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# FP7

National Scientific  
and Innovation  
System

## MEC

Project Support  
Offices

ADI

FCT

National Delegates

GPP

Experts

Q:

NCP

Public  
Funders/Users

Tech Ignition

Business Gear

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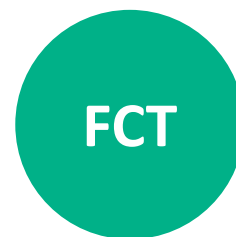


# H2020

National Scientific and Innovation System

MCTES

Project Support Offices



National Delegates  
(+ NCP + ILO + EEN + Eureka)

GPPQ:  
NCP

Experts

Public Funders/Users

Tech Ignition

Business Gear

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# PERIN Network

National Scientific and Innovation System

Experts

MCTES

Project Support Offices



NCPs

PERIN Coordination

FCT

National Delegates (+ NCP + ILO + EEN + Eureka)

Portugal in Europe Research and Innovation Liaison Office (Bx)

DGES

Public Funders/ Users

National Support Group for the Discussion of Horizon Europe

Business Gear

Tech. Ignition

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# PERIN Structure

Five specialised services:

- *The Group of National Delegates and Contact Points in European Programmes;*
- *The Group of National Experts for European Programmes;*
- *The Portugal in Europe Research and Innovation Liaison Office;*
- *The Network of Portugal in Europe Liaison Officers;*
- *The Network of Centres of Promotion of Research and Innovation in European Programmes.*





# PERIN Objectives

- (i) **Support** the preparation, promotion and execution of the European Union Research and Innovation Framework Programmes and other relevant R&I instruments such as activities in the areas of Space, Digital Transformation, Advanced Computing, R&I in defence and security, as well as activities for business such as the European Innovation Council (EIC), within Horizon Europe, and the EUREKA/EUROSTARS programmes;
- (ii) **Coordinate and promote the activities** set-out in(i), namely those in preparation for the European Programmes in higher education and post secondary training, in close collaboration with DGES and associated agencies (the national ERASMUS+ Education and Training agency), for student and teacher mobility;
- (iii) **Coordinate and prepare the Portuguese presidency of the Council of the European Union** in the first semester of 2021, in the areas of science, technology and higher education, including space and digital, in collaboration with the presidency of Germany and Slovenia, following the agreed-upon work programme and agenda.



# The Portuguese Participation in FP

## National support group for the discussion of HORIZON EUROPE

**Involvement of the national R&I community in the negotiation of the Horizon Europa**

The opinion of the national community is fundamental! We invite you to participate and guide the national position in the negotiations.

Participate in this debate, join the [National Support Group for the discussion of HORIZON EUROPE!](#)





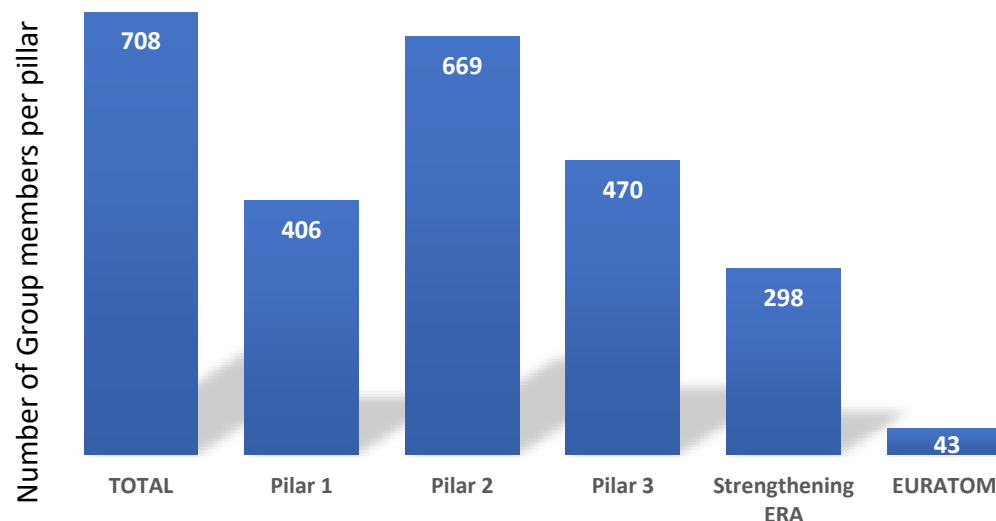
# The Portuguese Participation in FP

## National support group for the discussion of HORIZON EUROPE

### Objectives:

- Dissemination of information on Horizon Europe (content, negotiation process and timetable);
- Discussion and timely collection of input on the country's priorities for feedback to the European Commission;
- Preparation of the National Community for the successful transition to the new Framework Programme

**Target:** group open to the whole community interested in participating (including companies), voluntary registration with the indication of areas of interest.



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# HORIZON EUROPE – what will it look like?

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**  
*Excellent Science*

European Research Council

Marie Skłodowska-Curie Actions

Infrastructures



**Pillar 2**  
Global Challenges and European Industrial Competitiveness

- 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**

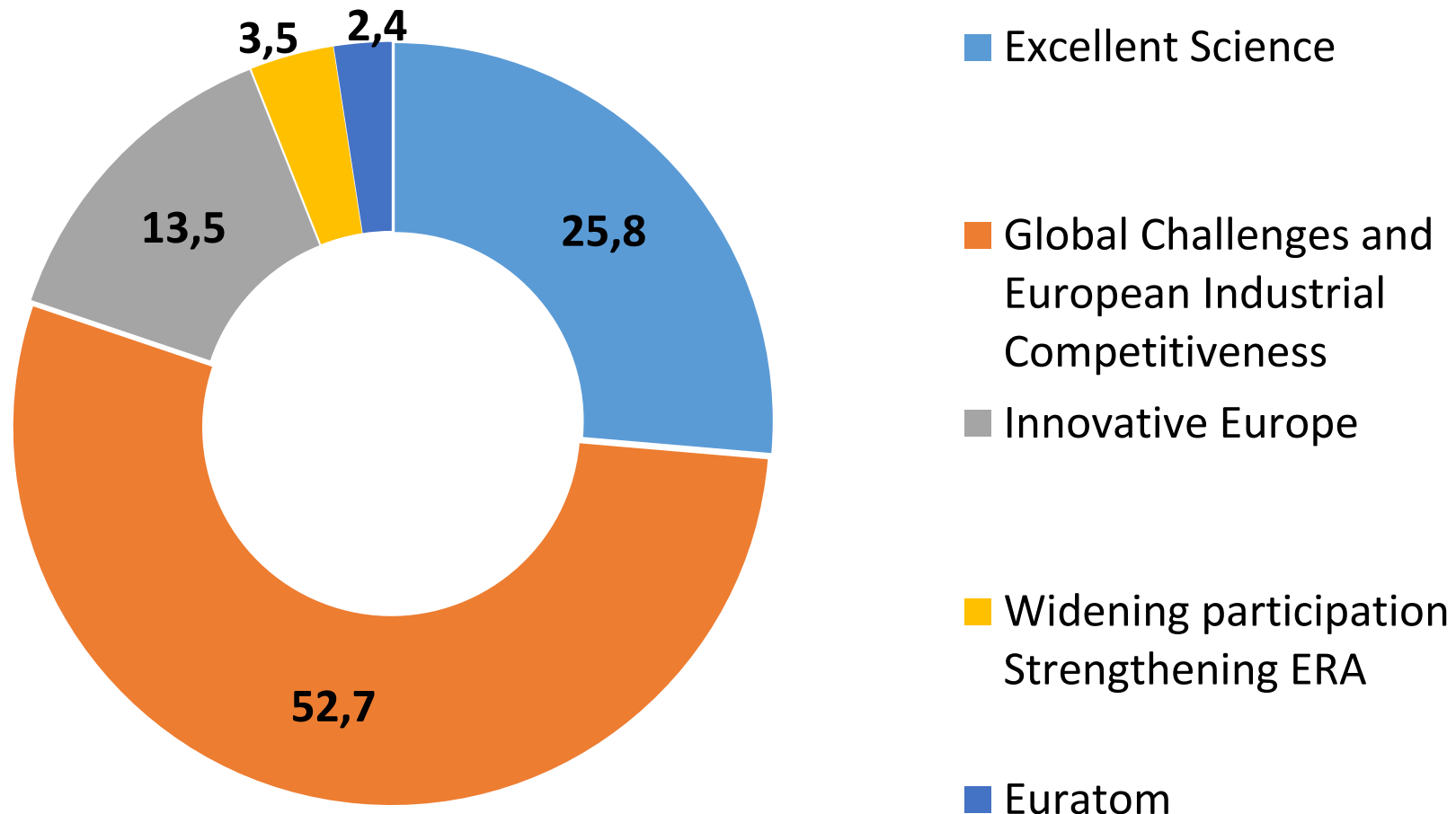
Widening Participation and Spreading Excellence

Reforming and Enhancing the European R&I system

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# HORIZON EUROPE: € 94 billion





# Missions – what are they?

- H2020: focused resources in selected areas-> many different projects that disperse or fragment funding
- Horizonte Europa: ambitious targets-> missions
- ***Adopt a mission-oriented, impact-focused approach to address global challenges (Lamy Report, recommendation 5)***
- Set a limited number of highly visible research and innovation missions that address global challenges and mobilise researchers, innovators and other stakeholders to realise them.



# Missions - criteria

(Mariana Mazzucato)

1. **Bold**, inspirational, with wide societal relevance (should engage the citizen)
2. A **clear direction**: targeted, measurable and time-bound (need to be very clearly framed)
3. **Ambitious but realistic** R&I actions (objectives should be set in an ambitious manner - taking risks - centered on research and innovation activities).
4. **Cross-disciplinary**, cross-sectoral and cross-actor innovation (should be framed to spark activity across, and among, multiple scientific disciplines, across different industrial sectors, and different types of actors).
5. **Multiple bottom-up solutions** (must be open to being addressed by different types of solutions).



<https://publications.europa.eu/en/publication-detail/-/publication/5b2811d1-16be-11e8-9253-01aa75ed71a1/language-en>

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# Mission Areas

**Mission Area 1:**  
Adaptation to Climate  
Change, including Societal  
Transformation

**Mission Area 2:**  
Cancer

**Mission Area 4:**  
Climate-Neutral and Smart  
Cities

## **MISSION AREAS**

**Mission Area 3:**  
Healthy Oceans, Seas,  
Coastal and Inland Waters

**Mission Area 5:**  
Food and Soil Health





# Partnerships – aims?

New objective-driven more ambitious partnerships in support of 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 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



# Partnerships – areas

**Partnership Area 1:** Faster development and safer use of health innovations for European patients, and global health.

**Partnership Area 2:** Advancing key digital and enabling technologies and their use, including **but not limited to** novel technologies such as Artificial Intelligence and quantum technologies.

**Partnership Area 3:** European leadership in Metrology including an integrated Metrology system.

**Partnership Area 4:** Accelerate competitiveness, safety and environmental performance of EU air traffic, aviation and rail.

**Partnership Area 5:** Sustainable, inclusive and circular bio-based solutions.

**Partnership Area 6:** Hydrogen and sustainable energy storage technologies with lower environmental footprint and less energy-intensive production.

**Partnership Area 7:** Clean, connected, cooperative, autonomous and automated solutions for future mobility demands of people and goods.

**Partnership Area 8:** Innovative and R&D intensive small and medium-sized enterprises.

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**Thank-you**

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