



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



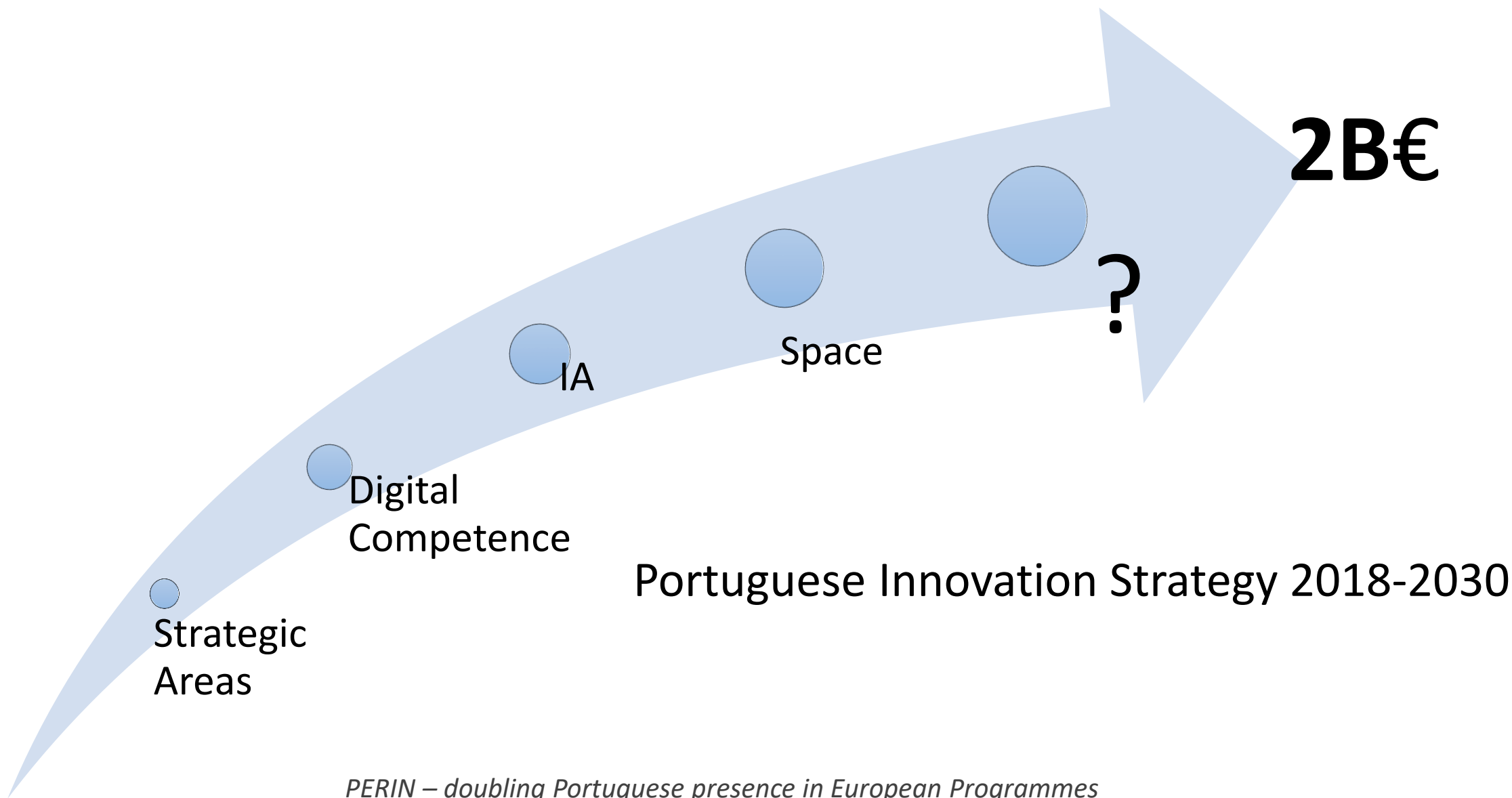
National participation strategy

- **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.**

PERIN – doubling Portuguese presence in European Programmes



National participation strategy

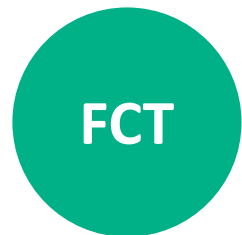


PERIN – doubling Portuguese presence in European Programmes



Pre FP7

National Scientific and Innovation System



MCTES



NCP

Delegates

Project Support Offices

Tech Ignition

Business Gear

Public Funders/Users

PERIN – doubling Portuguese presence in European Programmes



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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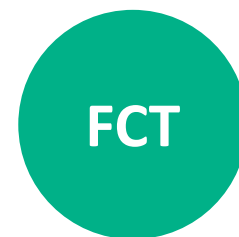


H2020

National Scientific and Innovation System

MCTES

Project Support Offices



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

GPPQ:
NCP

Experts

Public Funders/Users

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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!](#)





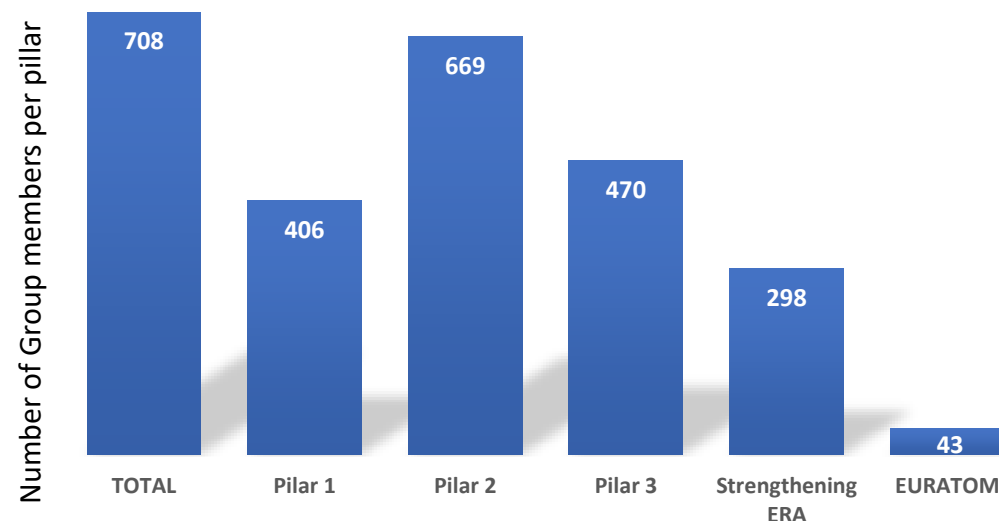
The Portuguese Participation in FP

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

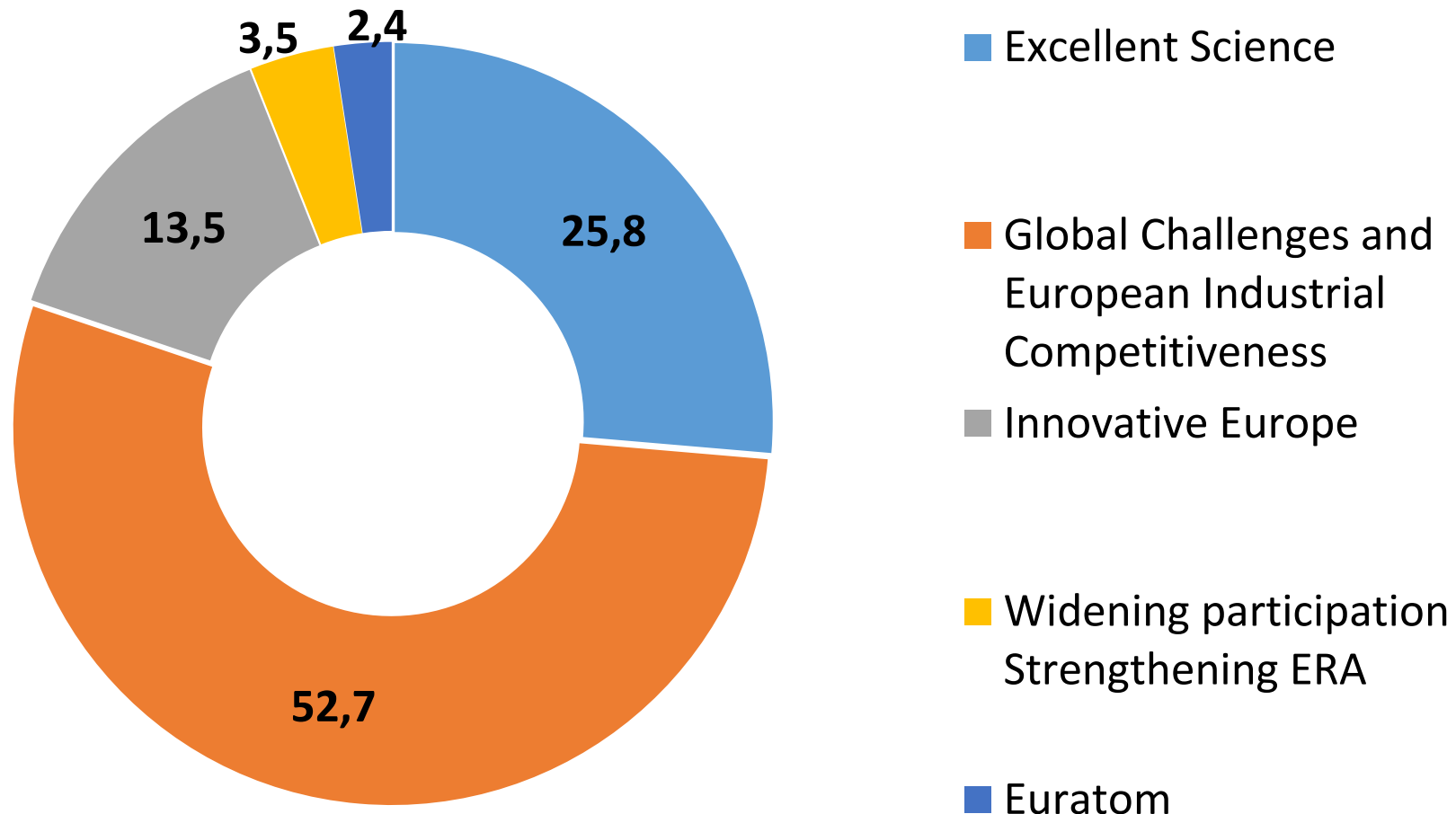
Widening participation and strengthening the European Research Area

Widening Participation and Spreading Excellence

Reforming and Enhancing the European R&I system



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.

WHERE
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WHEN
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← WHY

WHO →

↑ WHAT

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HOW



WHERE
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WHEN
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← WHY

Thank-you

WHO →

↑ WHAT

↑ HOW

