



AGÊNCIA NACIONAL
DE INOVAÇÃO



Internationalization of the National Research and Innovation System

Eduardo Maldonado

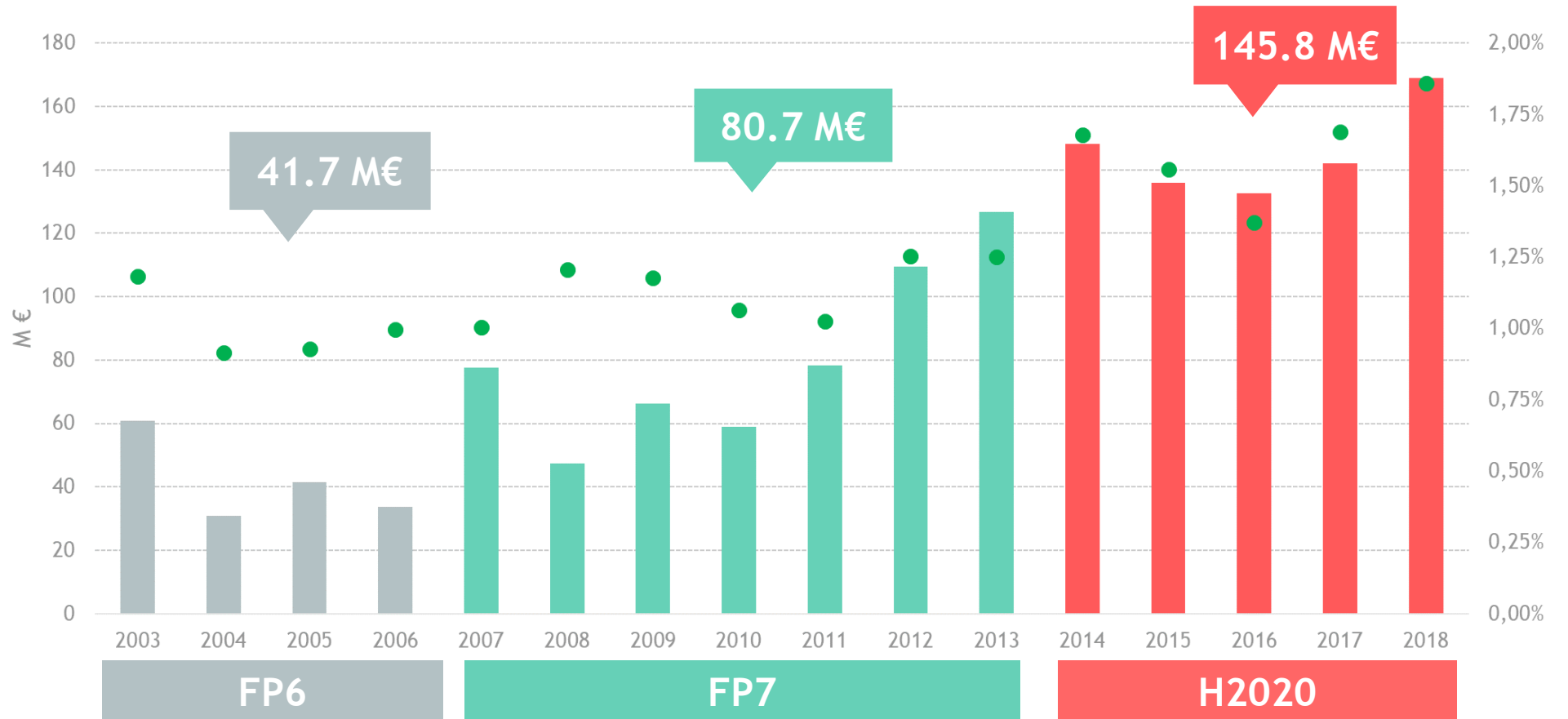
ACADEMIA MEETS AUTO-INDUSTRY

17 MAY * LISBON



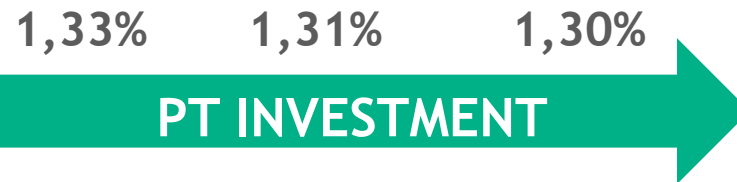
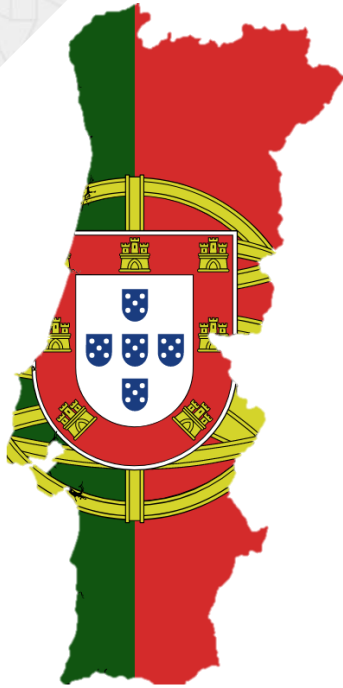
PT PARTICIPATION: FP6 > H2020

● % PT

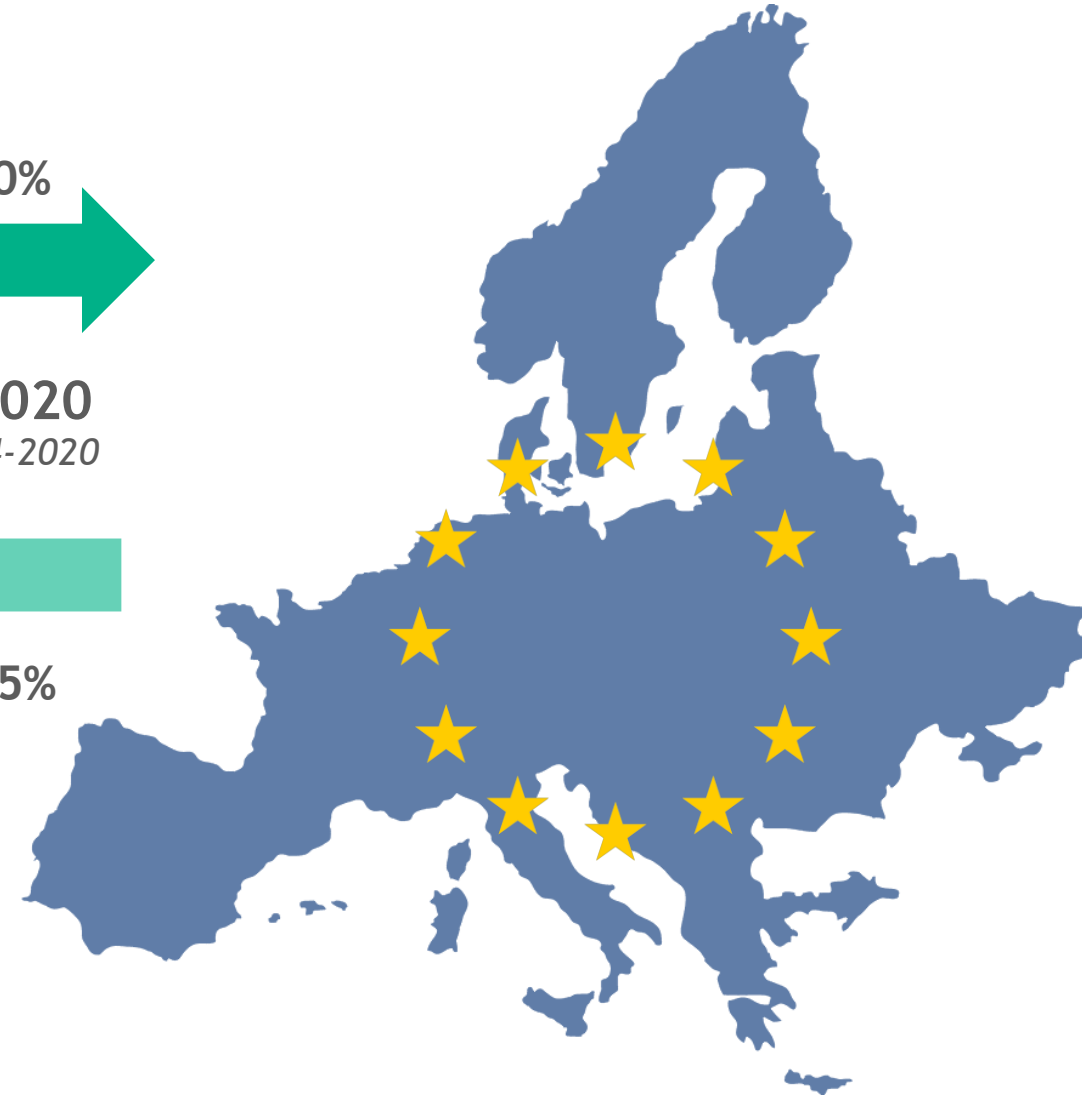




PT IS A NET BENEFICIARY SINCE 2012



FP6 2002-2006	FP7 2007-2013	H2020 2014-2020
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PT is a net beneficiary since 2012, including the last 2 years of FP7.



PT PARTICIPATION IN H2020 (2014-2018)

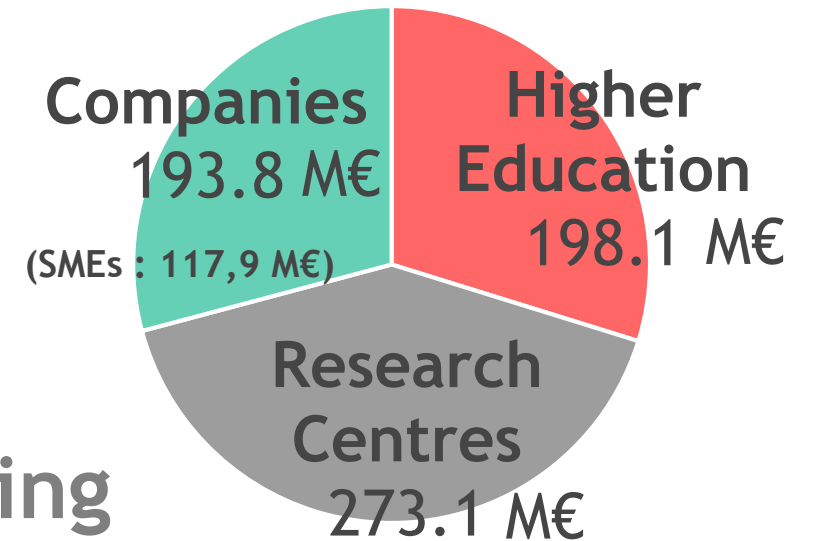
11334 Proposals

1618 Projects

473 Coordinations*
(210 in collaboration)

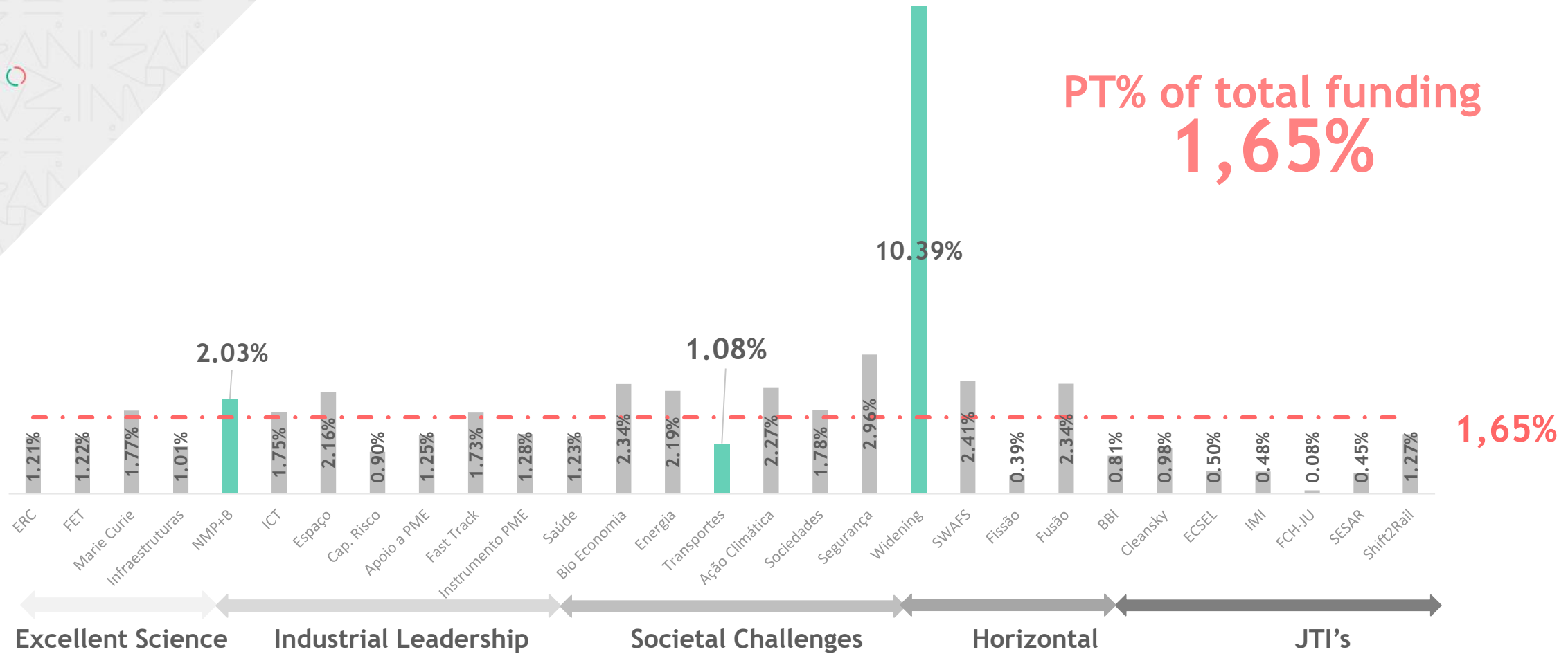
2348 Participations

728,91 M€ Total PT funding





PT PARTICIPATION IN H2020 (2014-2018)





PT PARTICIPATION IN H2020 - NMBP

Proposals: **498**

Projects: **98**

Coordinations: **16**

Participations: **148**

Total PT funding: **52,60 M€**

%PT: 2,03

Factories of the Future (FoF) cPPP

Proposals: **134**

Projects: **17**

Coordinations: **3**

Participations: **29**

Total PT funding: **9,40 M€**

%PT: 2,23



PT PARTICIPATION IN H2020 - TRANSPORT

Proposals: **188**

Projects: **47**

Coordinations: **4**

Participations: **72**

Total PT funding: **20,02 M€**

%PT: 1,08

The European Green Vehicles

Initiative (EGVI) cPPP

Proposals: **13**

Projects: **2**

Coordinations: **0**

Participations: **2**

Total PT funding: **0,36 M€**

%PT: 0,08





PT PARTICIPATION IN H2020 - TRANSPORT

Proposals: **188**

Projects: **47**

Coordinations: **4**

Participations: **72**

Total PT funding: **20,02 M€**

%PT: 1,08

Automated Road Transport (ART) Calls

Proposals: **1**

Projects: **0**

Coordinations: **0**

Participations: **0**

Total PT funding: **0**

%PT: 0





HORIZON EUROPE

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

Clusters

Joint Research Centre



Pillar 3
Innovative Europe

European Innovation Council

European innovation ecosystems

European Institute of Innovation and Technology

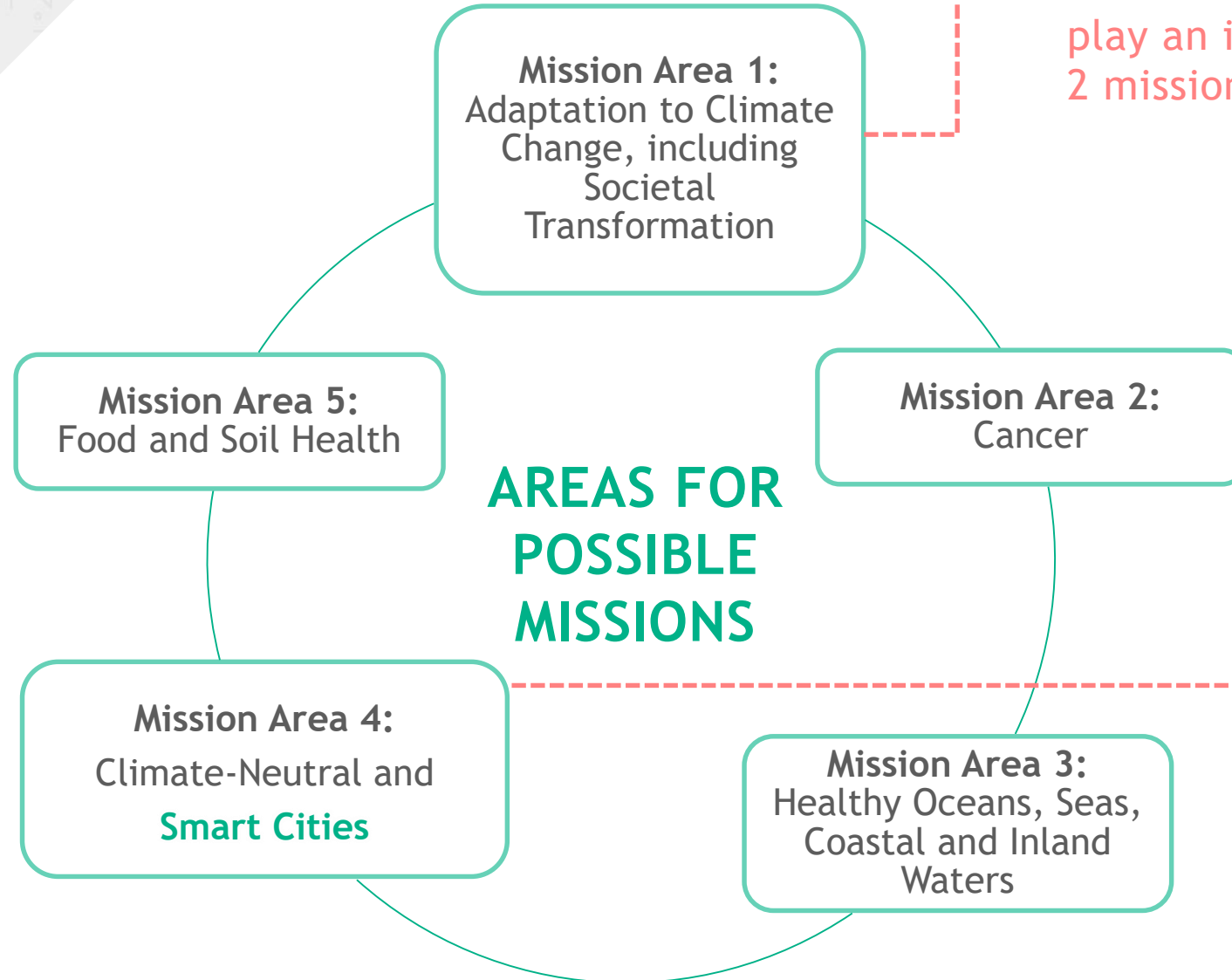
Widening participation and strengthening the European Research Area

Widening Participation and Spreading Excellence

Reforming and Enhancing the European R&I system



HORIZON EUROPE



AREAS FOR POSSIBLE MISSIONS

‘Green’ vehicles will play an important role in 2 mission areas



Fundação para a Ciência e a Tecnologia



HORIZON EUROPE

AREAS FOR POSSIBLE INSTITUTIONALIZED EUROPEAN PARTNERSHIPS

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.



HORIZON EUROPE

PROPOSED INDIVIDUAL PARTNERSHIPS OF INTEREST

Under Cluster 5: Climate, energy and mobility

- 21.** Clean Hydrogen (*Art. 187 or Co-programmed*)
- 23.** Towards zero-emission road transport (2ZERO) (*Co-programmed*)
- 24.** Mobility and Safety for Automated Road Transport (*Art. 187 or Co-programmed*)
- 25.** Batteries: Towards a competitive European industrial battery value chain (*Co-programmed*)

Under other Clusters

- 11.** AI, data and robotics (*Co-programmed*)
- 15.** Made in Europe (*Co-programmed*)
- 16.** Carbon Neutral and Circular Industry (*Co-programmed*)
- 35.** Innovative SMEs (*Art.185 or cofunded*)



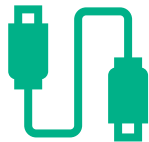
BATTERY 2030+

At the heart of a connected green society

- ⊕ Inventing the **batteries of the future**
- ⊕ Providing **breakthrough technologies** to the European battery industry across the full value chain
- ⊕ Enabling **long-term European leadership** in both existing markets (road transport, stationary energy storage) and future emerging applications (robotics, aerospace, medical devices, internet of things, ...)



**ULTRAHIGH
PERFORMANCES**



**SMART
FUNCTIONALITIES**



**ENVIRONMENTAL
SUSTAINABILITY**

<https://battery2030.eu/>



PORTUGUESE SUMMIT ON BATTERY 2030 - BRAGA, 31.05.2019

For more information contact: sofia.azevedo@ani.pt



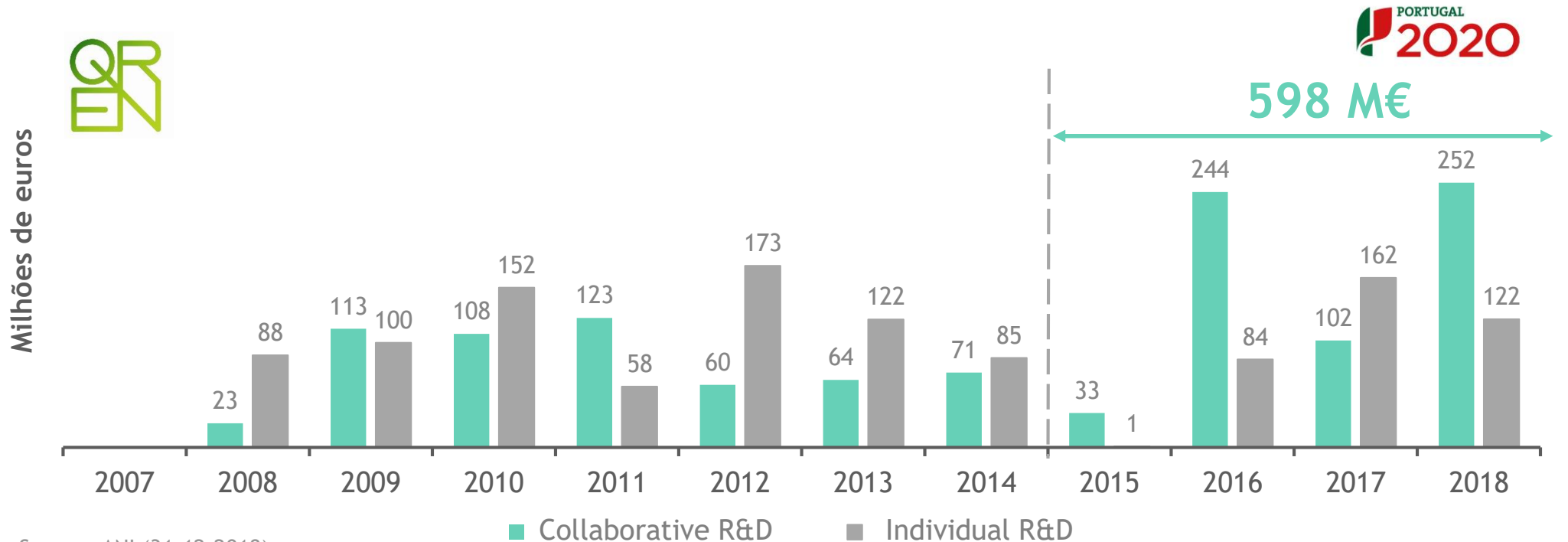


PROMOTION OF COLLABORATIVE R&D

+ Investment in Collaborative R&D over **the last 3 years (598 M€)**

(Applications still under analysis)

Total investment of approved projects: financial incentives to Individual and Collaborative R&D, by year of contract signature



Source: ANI (31-12-2018)



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QUESTIONS?

www.ani.pt

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