



Gabinete de Promoção dos  
Programa Quadro ID&I

# Oportunidades de financiamento no Horizonte 2020

*Investigação & Inovação para a Promoção do  
Envelhecimento Ativo e Saudável*

Coimbra, 26/06/2018

Patrícia Calado

THE EU FRAMEWORK PROGRAMME  
FOR RESEARCH AND INNOVATION

# HORIZON 2020



EXCELLENT SCIENCE  
COMPETITIVE INDUSTRIES  
BETTER SOCIETY

## Excellent Science (24.4 B €)

European Research  
Council  
(13.1 B €)

Future and Emerging  
Technologies  
( 2.7 B €)

Marie Skłodowska-Curie  
Actions  
( 6.1 B €)

Research Infrastructures  
( 2.5 B €)

## Industrial Leadership (17 B €)

LEIT = Leadership in  
enabling and industrial  
technologies

- ICT
- Nano, new materials
- Biotechnology
- Space

( 13.5 B €)

Access to Risk Finance  
( 2.9 B €)

Innovation in SMEs  
( 0.6 B €)

## Societal Challenges (29.7 B €)

Health  
(7.5 B €)

Food  
(3.9 B €)

Energy  
(6 B €)

Transport  
(6.3 B €)

Climate  
(3 B €)

Inclusive Societies  
(1.3 B €)

Security  
(1.7 B €)

Spreading Excellence (0.8 B €)

Science for Society (0.5 B €)

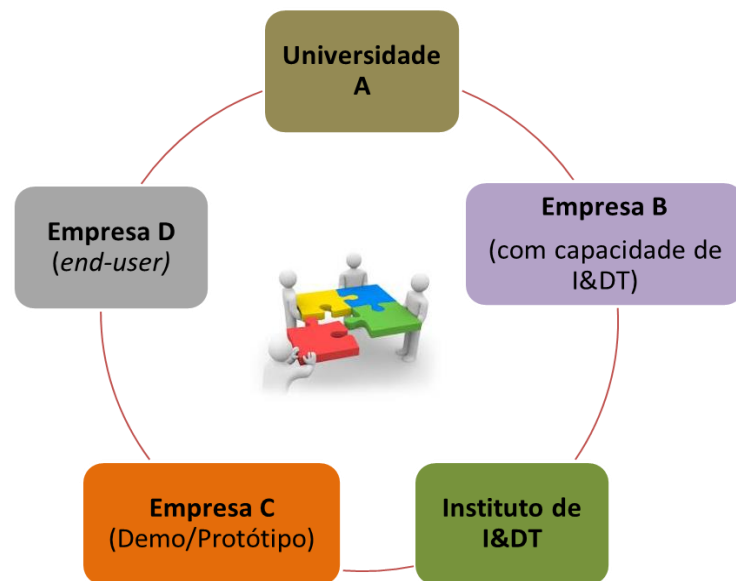
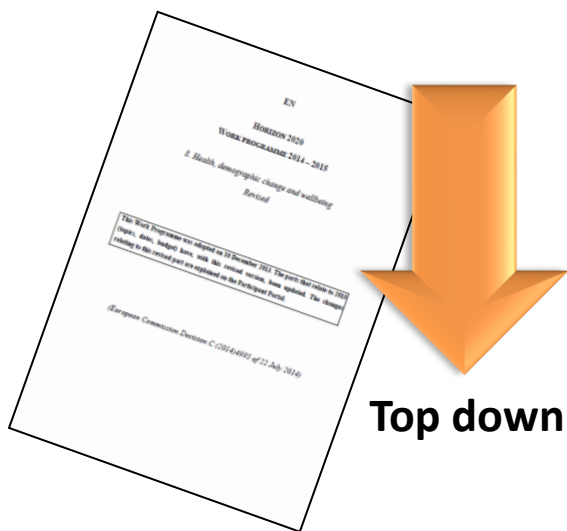
EIT (2.7 B €)

JRC (1.9 B €)

Euratom (1.6 B €)

# FINANCIAMENTO – COMO FUNCIONA?

- Programas de Trabalho bienais
- Projetos em colaboração (mínimo 3 EM ou PA)



**Financiamento x% dos custos elegíveis (+25% custos indirectos)**

# Programa de Trabalho

## Tópicos

- Specific Challenge
- Scope
- Expected Impact

## Ações

- Research and Innovation Action (RIA)
- Innovation Action (IA)
- Coordination and Support Action (CSA)
- Innovation Procurement (PCP/PPI)

# ACÇÕES NO H2020

| Tipos de ação                                        | Financiamento                                           | Objectivo                                                                                                                                                                          |
|------------------------------------------------------|---------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Research &amp; Innovation Action<br/>(RIA)</b>    | <b>100%</b>                                             | I&D com o objectivo de gerar novos conhecimentos ou explorar a viabilidade de novas tecnologias                                                                                    |
| <b>Innovation Action<br/>(IA)</b>                    | <b>70%</b><br>(100% para entidades sem fins lucrativos) | Produção de planos ou projetos para novos ou melhorados produtos, processos ou serviços                                                                                            |
| <b>Coordination and Support<br/>Action<br/>(CSA)</b> | <b>100%</b>                                             | Medidas de standardização, disseminação, sensibilização, comunicação, networking, coordenação, suporte e diálogo                                                                   |
| <b>Innovation Procurement<br/>(PCP/PPI)</b>          | <b>90%/35%</b>                                          | Apoiar a melhoria da qualidade e eficácia dos serviços públicos com soluções inovadoras, encorajando o trabalho em conjunto para responder a necessidades comuns no sector público |

# Societal Challenge 1

“Health, demographic  
change and wellbeing”

**“Better health for all and  
a more competitive health  
and care sector”**

# OBJECTIVOS DO H2020 NA ÁREA DA SAÚDE

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- Investir em “**melhor saúde** para todos”
- Manter as pessoas **idosas activas** e **independentes** por mais tempo
- Apoiar o desenvolvimento de **intervenções novas**, mais **seguras** e mais **eficazes**
- Contribuir para a **sustentabilidade** dos **sistemas de cuidados de saúde**



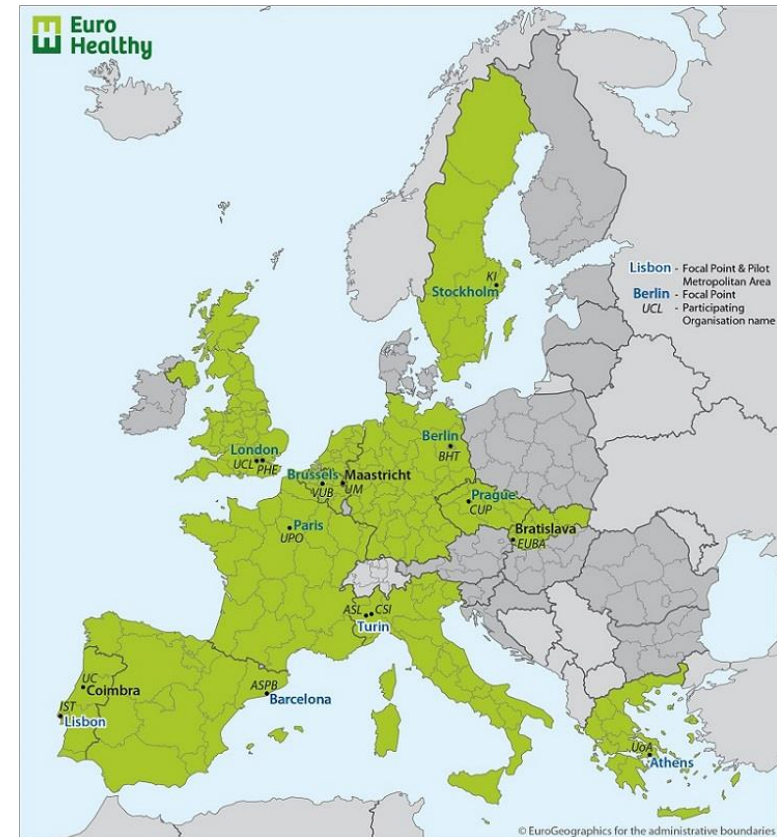
# PARTICIPAÇÃO PORTUGUESA NO DS1

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- **Propostas: 451**
- **Projetos aprovados: 53**
- **Taxa sucesso 11,8% (EU 10,5%)**
- **Projetos coordenados: 3**
- **Participantes: 68**
- **Financiamento para PT**

**20M€**

- **Universidade de Coimbra, Portugal**
- 14 parceiros de 12 países
- PT: Instituto Superior Técnico
- PHC-31-2014 - Foresight for health policy development and regulation
- 3 M€
- The project will develop tools based on a population health index to evaluate the health and well-being of the European population



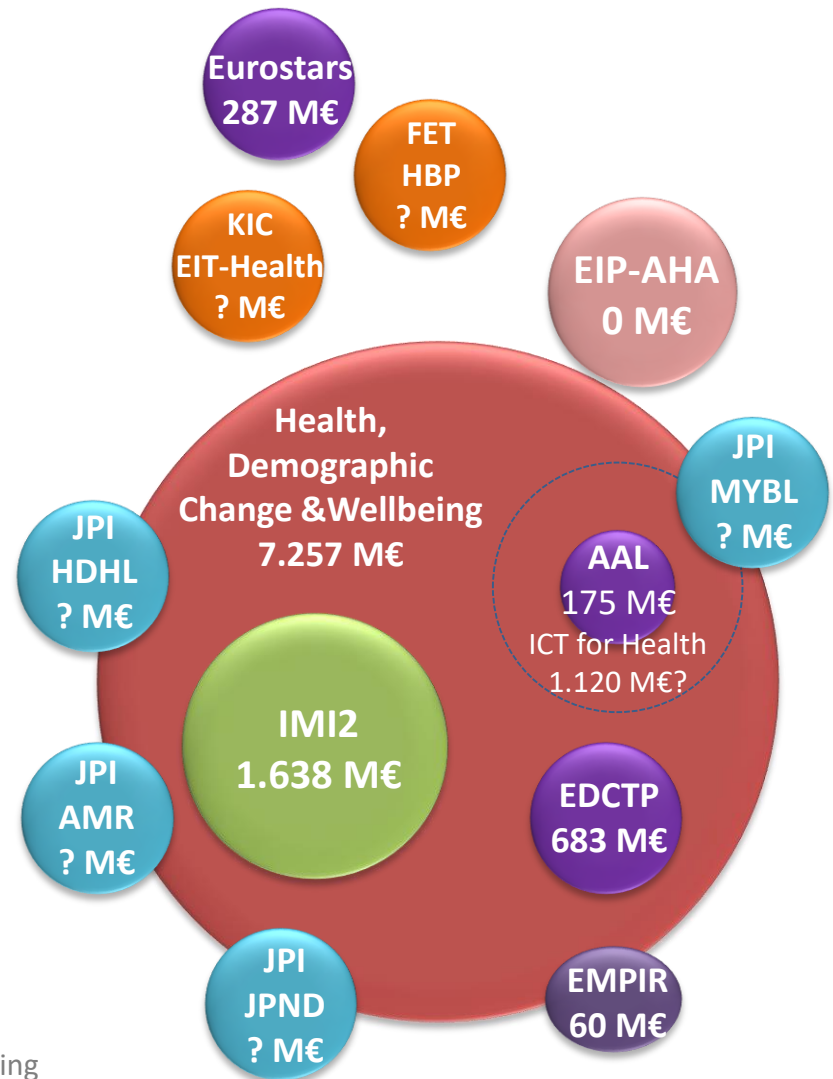


- **Universidade de Coimbra, Portugal**
- 8 parceiros: Portugal, Suíça, Holanda, Chipre, Espanha e França
- PT: Cáritas Diocesana de Coimbra
- PHC-19-2014 Advancing active and healthy ageing with ICT: service robotics within assisted living environments
- 2.8 M€
- Aims to provide an affordable service robotic system able to learn the older persons needs and habits over time to support, encourage and engage the older persons to stay longer active, independent and socially involved, in carrying out their daily life at home



# INICIATIVAS RELACIONADAS COM O DS1

- HBP: Human Brain Project
- JPI: Joint Programming Initiative
- IMI: Innovative Medicines Initiative
- AAL: Active and Assistive Living programme
- KIC: Knowledge and Innovation Community
- FET: Future and Emerging Technologies
- JPI MYBL: More Years, Better Lives
- JPI HDHL: Healthy Diet for Healthy Life
- JPI AMR: Joint Programme in Antimicrobial Resistance
- JPND: Joint Programme in Neurodegenerative Disease Research
- EDCTP: European & Developing Countries Clinical Trials Partnership
- EMPIR: European Metrology Programme for Innovation and Research
- EIP-AHA: European Innovation Partnership on Active and Healthy Ageing



- To enhance the quality of life of older adults while strengthening the industrial base in Europe through the use of ICT
- Co-financed by the European Commission (SC1 H2020) and 19 countries
- € 700 million from 2014-2020
- National Contact Person:  
[Pedro.Ruivo@fct.pt](mailto:Pedro.Ruivo@fct.pt)



- Launched by the European Commission in 2011 to foster innovation and digital transformation in the field of active and healthy ageing
- Overarching target is to increase the average healthy lifespan of EU citizens by 2 years by 2020

\*Action Groups\*

\*Reference Sites\*

\*Blueprint\*

\*Innovation to Market\*

\*MAFEIP\*



**Calls DS1 2019**

# PROGRAMA DE TRABALHOS DS1 2018-2020

## CALL 1 - BETTER HEALTH AND CARE, ECONOMIC GROWTH AND SUSTAINABLE HEALTH SYSTEMS

- 1.1 Personalised medicine
- 1.2 Innovative health and care industry
- 1.3 Infectious diseases and improving global health
- 1.4. Innovative health and care systems - Integration of care
- 1.5 Decoding the role of the environment for health and well-being



## CALL 2 - DIGITAL TRANSFORMATION IN HEALTH AND CARE



## CALL 3 - TRUSTED BIG DATA SOLUTIONS AND CYBERSECURITY FOR HEALTH AND CARE

2.000 M€

# ***CALL 1 - BETTER HEALTH AND CARE, ECONOMIC GROWTH AND SUSTAINABLE HEALTH SYSTEMS***

| <b>TÓPICO</b>                                                                                                             | <b>Type of Action</b> | <b>Indicative budget</b> | <b>Deadline</b>        |
|---------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------------|------------------------|
| SC1-BHC-01-2019: Understanding causative mechanisms in co- and multimorbidities combining mental and non-mental disorders | RIA                   | 4-6 M€                   | 2 Oct 2018 (1st stage) |
| SC1-BHC-02-2019: Systems approaches for the discovery of combinatorial therapies for complex disorders                    | RIA                   | 4-6 M€                   | 2 Oct 2018 (1st stage) |
| SC1-BHC-07-2019: Regenerative medicine: from new insights to new applications                                             | RIA                   | 6-8 M€                   | 16 Apr 2019            |
| SC1-BHC-25-2019: Demonstration pilots for implementation of personalised medicine in healthcare                           | IA                    | 18-20 M€                 | 2 Oct 2018 (1st stage) |

## CALL 2 - DIGITAL TRANSFORMATION IN HEALTH AND CARE

| TÓPICO                                                                                                                            | Type of Action | Indicative budget | Deadline    |
|-----------------------------------------------------------------------------------------------------------------------------------|----------------|-------------------|-------------|
| SC1-DTH-01-2019: Big data and Artificial Intelligence for monitoring health status and quality of life after the cancer treatment | RIA            | 3-5 M€            | 24 Apr 2019 |
| SC1-DTH-05-2019: Large scale implementation of digital innovation for health and care in an ageing society                        | PPI            | 2-5 M€            | 24 Apr 2019 |
| SC1-DTH-10-2019-2020: Digital health and care services                                                                            | PCP            | 5-6 M€            | 14 Nov 2018 |
| SC1-DTH-11-2019: Large Scale pilots of personalised & outcome based integrated care                                               | IA             | 4-6 M€            | 24 Apr 2019 |
| SC1-HCC-02-2019: Support for the large scale uptake of open service platforms in the Active and Healthy Ageing domain             | CSA            | 1,5 M€            | 24 Apr 2019 |

## ***CALL 3 - TDS - DIGITISING INDUSTRY AND SERVICES***

| <b>TÓPICO</b>                                    | <b>Type of Action</b> | <b>Indicative budget</b> | <b>Deadline</b> |
|--------------------------------------------------|-----------------------|--------------------------|-----------------|
| DT-TDS-01-2019: Smart and healthy living at home | IA                    | 15-20 M€                 | 14 Nov 2018     |

Saúde  
IMI  
EDCTP



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