



Gabinete de Promoção dos
Programa Quadro ID&I

Oportunidades de financiamento H2020

Desafio Societal 1

Saúde, alterações demográficas e bem-estar

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FCT
Fundação para a Ciência e a Tecnologia
MINISTÉRIO DA CIÊNCIA, TECNOLOGIA E ENSINO SUPERIOR

 **ANI**
AGÊNCIA NACIONAL
DE INOVAÇÃO

OBJECTIVOS DO H2020 NA ÁREA DA SAÚDE

- 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**



Better health for all

- 1 *Understanding health, wellbeing and disease*
- 2 *Preventing disease*
- 3 *Treating and managing disease*
- 4 *Active ageing and self-management of health*
- 5 *Methods and data*
- 6 *Health care provision and integrated care*



Orçamento (2014-2020): EUR 7.257 M

(9,7% do orçamento H2020)

WORK PROGRAMME DS1 2017: ONDE ESTÃO AS TIC?

- Em qualquer um dos tópicos da DG-RTD
- Especificamente nos tópicos da DG-CONNECT
 - 6 tópicos
 - 87,3 M€
 - Deadlines 31 de janeiro e 14 de março

- **SC1-PM-15-2017: Personalised coaching for well-being and care of people as they age**
- **SC1-HCO-17–2017: Support for large scale uptake of Digital Innovation for Active and Healthy Ageing**
- **SMEInst-06-2016-2017: Accelerating market introduction of ICT solutions for Health, Well-Being and Ageing Well**

SC1-PM-15-2017: Personalised coaching for well-being and care of people as they age

Challenge:

- Developing and validating **radically new ICT based concepts and** empowering and motivating people in need of guidance and care **conditions**

Scope:

- Personalised "**virtual coach**", building upon intelligent ICT environments, access to relevant physiological and behavioural data, open platforms and emotional computing
- "Coach" should provide personalised advice, guidance and follow-up for key age related issues in daily life which impact the **person's ability to remain active and independent**
- **Users** must be **involved** and drive the innovation **at all stages** of design and development

Impact:

- Usefulness and effectiveness of **personalized recommendations**; validation of **non-obtrusive technology**; evidence of **user-centred design and innovation**; potential **cost-effectiveness**



SC1-HCO-17–2017: Support for large scale uptake of Digital Innovation for Active and Healthy Ageing

Challenge:

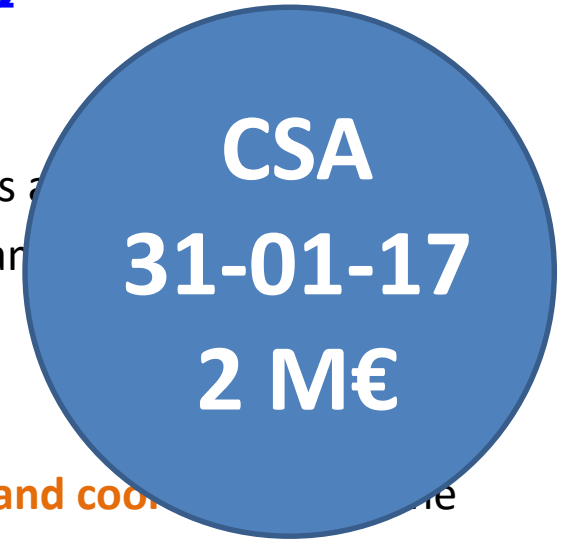
- Promote the **effective uptake and impact** of ongoing activities and **investments** by mobilising other national and regional programmes and investments

Scope:

- Provide **support to administration, external communication and coordination** with the stakeholder groups and partners engaged in the development and implementation of the following activities: 1) Innovation to Market Initiative (**I2M**); 2) development of a European policy vision on **Digital Innovation for Active and Healthy Ageing** and 3) **EIP-AHA**

Impact:

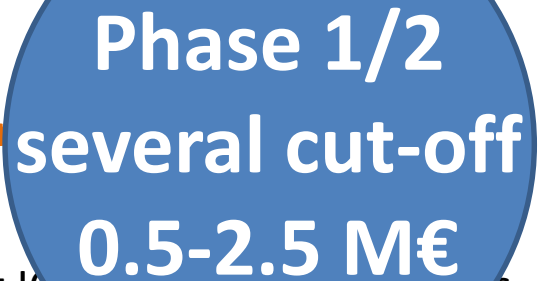
- Increased **uptake of digital solutions** for Active and Healthy Ageing; **scaling-up digital innovation** for active and healthy ageing across the EU; increased **levels of participation** by external stakeholders; increased levels of **investment by public authorities and private investors**; contribution to: i. **The Quality of Life of the EU population**, ii. **The Sustainability of Health and Care delivery** and iii. **Economic growth and job-creation in the EU.**



SMEInst-06-2016-2017: Accelerating market introduction of ICT solutions for Health, Well-Being and Ageing Well

Challenge:

- Overcome the **current gaps in exploitation of promising research** for Health, Well-being and Ageing well
- Stimulate **increased availability and market uptake** of relevant ICT solutions for Health, Well-being and Ageing well
- **Interoperable and secure eHealth solutions** for consumers and institutions for Health, Well-being and Ageing well care delivery building on standards
- New ICT solutions and innovation ecosystems for ageing well building on **open software platforms**, in order to deliver new and more efficient care to European citizens and respond to new market opportunities for SMEs.
- Particular attention to potential for **disruptive innovation and fast market up-take**.
- Opportunity for **SMEs and young companies that are looking for swift support** to their innovative ideas



Phase 1/2
several cut-off
0.5-2.5 M€

- **SC1-PM-16-2017: In-silico trials for developing and assessing biomedical products**
- **SC1-PM-17-2017: Personalised computer models and in-silico systems for well-being**

SC1-PM-16-2017: In-silico trials for developing and assessing biomedical products

Challenge:

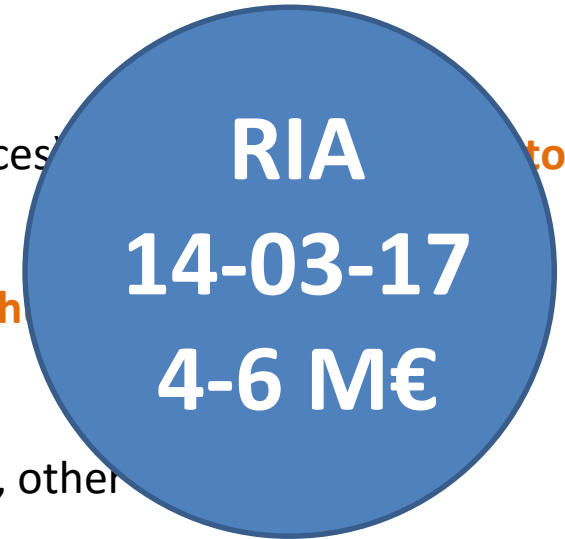
- The development of **new biomedical products** (drugs or devices) **to the market is very long and expensive**
- Alternative methodologies are needed to **reduce animal and human testing**

Scope:

- Innovative **in-silico trials** to **design, develop and assess** drugs, other bioactive products, devices.
- Scientific and technological solution and **proof of concept**
- **Computer simulation** of the individual human physiology and physiopathology at the relevant biological levels and the interaction with the product;

Impact:

- Redesigning human clinical trials; **reducing animal testing**
- For biomedical products: **safer, faster** introduction on the market, **cheaper**, repositioning, post-commercial assessment
- **Re-use** in chemical testing; **standards**; libraries of **virtual patients** for testing



SC1-PM-17-2017: Personalised computer models and in-silico systems for well-being

Challenge:

- Better understanding of the **influence of external and internal resilience to challenges, illness**, etc. and **recovery**

Scope:

- Development of new **integrative dynamic computer-models and simulations**
- Computer modelling and simulations able to **aggregate various information**
- Including individual/patient-specific information in a **multi-scale approach**
- **Individual's lifetime** taken into account if possible

Impact:

- New **personalised interventions** for increasing resilience and recovery
- Improve knowledge about **human physiology** and **resilience** in relation with **SSH**, association with **life circumstances**
- Predictive and preventive approaches in **medicine, neurosciences** and **life sciences**.



- **SC1-PM-19-2017: PPI for uptake of standards for the exchange of digitalised healthcare records**

SC1-PM-19-2017: PPI for uptake of standards for the exchange of digitalised healthcare records

Challenge:

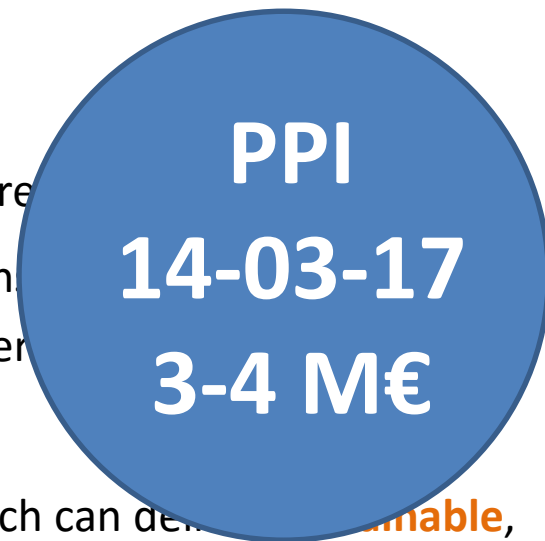
- Profound **lack of deployed interoperability** between healthcare
- Need to **stimulate the public procurement** of eHealth solutions and services addressing complex organisational structures and inter

Scope:

Specify, purchase and deploy **innovative ICT based solutions** which can deliver **reliable, new or improved healthcare services** across organisational boundaries while implementing eHealth interoperability standards, specifications and APIs

Impact:

- Wider uptake of eHealth **interoperability standards**; increased **suppliers opportunities**; better **solutions specifications**; more forward-looking, concerted, public sector approach to **eHealth interoperability**; wider **deployment of eHealth services**



[eafip](#) - European Assistance for Innovation Procurement | [EPP-eHealth](#): European Procurers Platform - eHealth

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