



European
Commission

Επιτροπή Εκπροσώπων της Ελλάδας

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3000 B€ Opportunity

Ageing

Horizon 2020 - societal challenge 1

Chronic diseases

Empowerment



1. Boosting Jobs, Growth and Investment

Health policy

Long term Care Strategy

Ageing policy



2. A Connected Digital Single Market

eHealth 2020, mHealth, Silver Economy Strategy

EIP-AHA

H2020

AAL

EIT-KIC



Health & wellbeing

Integrated care

Cross-border care

Independent living & Active Ageing

Sustainable Health & care

Legal & market conditions

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

This specific challenge aims at fostering the use of interoperability standards and stimulating the Electronic Health Records (EHR) market with the implementation of more interoperable components

The scope of the PPI(s) is to specify, purchase and deploy innovative standards-based solutions which can deliver sustainable, new or improved healthcare services across organisational boundaries

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

Challenge:

There is a profound lack of deployed interoperability between healthcare systems and services

There is a need to stimulate the public procurement of eHealth solutions and integrated care services addressing complex organisational structures and interactions among people (recipients of care, care-givers, and others)

Scope:

Specify, purchase and deploy innovative ICT based solutions which can deliver sustainable, new or improved healthcare services across organisational boundaries while implementing eHealth interoperability standards, specifications and APIs (e.g. EN13606, HL7, Continua Alliance, IHE...).

Expected Impact:

Wider uptake of eHealth interoperability standards

Increased suppliers opportunities from wider market uptake of innovative solutions and services by forming a critical mass on the public demand side

Better solutions specifications designed from a demand side perspective

More forward-looking, concerted, public sector approach to eHealth interoperability

Achieve the wider deployment of eHealth services

Create a European role model in the eHealth interoperability field

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

Submission Deadline: 14/03/2017

(17.00.00 Brussels local time)

PPI

Cumulative threshold: 10 (3/3/3)

Total Budget: 8.26 million €

Call - Personalised Medicine

- SC1-PM-15-2017: Personalised coaching for well-being and care of people as they age
- SC1-PM-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 approaches for empowering and motivating people in need of guidance and care due to age related conditions

Scope:

- Proof of concept of radically new solutions for a personalised "virtual coach";
- 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 e.g diet, physical activity, risk avoidance, preventive measures, lifestyle and activity management, leisure, social participation and overall wellness;
- Multi-disciplinary research beyond state-of-the-art capable of reasoning, autonomous learning and adaptation to personal needs, emotional and behavioural patterns, conditions and preferences as well as the users' living environment and their social connections;
- Users should be involved and drive the innovation at all stages of the project;
- Avoid attention theft by ICT;
- Address relevant ethics, gender, legal and regulatory aspects.

SC1-PM-15-2017 Expected Impact

- **Usefulness and effectiveness of personalized recommendations** and follow-up in terms of the goals of preserving physical, cognitive, mental and social well-being for as long as possible;
- **Validation of non-obtrusive technology** for physical, cognitive, social and mental well-being;
- **Evidence of user-centred design and innovation**, new intuitive ways of human-computer interaction, and user acceptance;
- **Potential cost-effectiveness** due to enhanced self-care, life-style and care management.

SC1-PM-15-2017 Deadline, Budgets

- Planned opening date: 20/09/2016
- Submission Deadline: 31/01/2017 (17.00.00 Brussels local time)
- Research and Innovation Action
- Cumulative threshold: 12 (4/4/3)
- EU contribution 3-4 million €
- Total Budget: 25 million €

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

Challenge: Promoting the effective uptake and impact of on-going activities on scaling up of digital innovation for active and healthy ageing pursued by the EC. Leveraging additional investments by mobilising other national and regional programmes together with private investments

Scope: Proposals should provide support to administration, external communication and coordination of the stakeholder groups and partners engaged in the following activities:

1. Facilitating successful introductions of innovations to the market

- Providing support to innovators, buyers/industry integrators, distribution networks and investors in their efforts towards market uptake
- Maximize EU-wide and global market uptake of innovative digital solutions developed by EU funded projects in the area of active and healthy ageing;
- Develop and execute an "Innovation to Market" (I2M) plan of activities that will enable early cross-border engagement across the EU and internationally; to be built upon existing European initiatives and networks in this area

SC1-HCO-17-2017 Deadline, Budgets

- Planned opening date: 20/09/2016
- Submission Deadline: 31/01/2017 (17.00.00 Brussels local time)
- Coordination and Support Action
- Cumulative threshold: 10 (3/3/3)
- EU contribution 2 million €
- Total Budget: 2 million €

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

- Overcome the current gaps in exploitation of promising research results in ICT for Health, Well-being and Ageing well
- Stimulate increased availability and market uptake of relevant ICT products and services
- Interoperable and secure eHealth solutions for consumers and institutional healthcare 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

SMEInst-06-2016-2017 Cut-off Dates

Phase	Deadlines	
SME-2	13 Oct 2016	18 Jan 2017 06 Apr 2017 01 Jun 2017 18 Oct 2017
SME-1	07 Sep 2016 09 Nov 2016	15 Feb 2017 03 May 2017 06 Sep 2017 08 Nov 2017

SMEInst-06-2016-2017 Indicative budget

- 2016: 18 million €
- 2017: 12,5 million €
- EC contribution: maximum 70 % of the total eligible costs
- Phase 1: 50.000 EUR
- Phase 2: 0.5 to 2.5 million EUR

Relevant DG CNECT innovation policy documents and overview of EU-funded projects

- EU Silver Economy Strategy http://ec.europa.eu/research/innovation-union/index_en.cfm?section=active-healthy-ageing&pg=silvereconomy
- European Scaling-up Strategy in Active and Healthy Ageing https://ec.europa.eu/research/innovation-union/pdf/active-healthy-ageing/scaling_up_strategy.pdf
- European Innovation Summit on Active and Healthy Ageing http://ec.europa.eu/research/innovation-union/index_en.cfm?section=active-healthy-ageing&pg=2015-summit
- ICT for Active and Healthy Ageing <http://ec.europa.eu/digital-agenda/en/policies-ageing-well-ict>
- European Innovation Partnership on Active and Healthy Ageing http://ec.europa.eu/research/innovation-union/index_en.cfm?section=active-healthy-ageing
- Active and Assisted Living Joint Programme <http://www.aal-europe.eu/>
- EIT KIC on Healthy Living and Active Ageing <https://eithealth.eu/>
- Joint Programming Initiative More Years – Better Lives <http://www.jp-demographic.eu/>
- Overview of the EU-funded projects in ICT for Ageing Well <https://ec.europa.eu/digital-agenda/en/news/overview-eu-funded-running-projects-area-ict-ageing-well>

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Twitter: @EIP_AHA, @SilverEcoEU

Website: ec.europa.eu/digital-agenda/en/ageing-well-ict

Newsletter: ec.europa.eu/information_society/newsroom/cf/dae/login.cfm

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

Challenge:

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

Scope:

- Develop innovative in-silico trials to design, develop and assess drugs, other biomedical and bioactive products, devices. (In-silico trials refer to testing using computer simulations.)
- 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; build virtual populations of individual patients
- Measures for validation and quantification of benefits are mandatory

Expected impacts:

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

Deadline, Budgets

- Submission deadline: 14/03/2017 (17.00.00 Brussels local time)
- RIA
- Cumulative threshold: 12 (4/4/3)
- Total Budget: €19M

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

Challenge:

- Better understanding of the influence of external and internal (biological) factors on the resilience to challenges, illness, etc. and recovery

Scope:

- Development of new integrative dynamic computer-models and simulation systems
- 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
- Topic SSH flagged

Expected impacts:

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

Deadline, Budgets

- Submission Deadline: 14/03/2017 (17.00.00 Brussels local time)
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SC1-PM-17-2017 : Personalised computer models and in-silico systems for well-being

- This topic has high relevance in the context of Social Sciences and Humanities and Responsible Research and Innovation.
 - <https://ec.europa.eu/digital-agenda/en/responsible-research-and-innovation-ict-related-parts-h2020>

Horizon 2020 Work Programme 2016-2017:

http://ec.europa.eu/research/participants/portal/desktop/en/funding/reference_docs.html#h2020-work-programmes-2016-17



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