



# **Horizon 2020 Health, Demographic Change and Well-being Open Info Day**

**12 May 2016, Bruxelles**

**NCP training**

**Amalia-Irina Vlad**

## **ICT for Health, demographic change and well-being – Work Programme 2016-17**



**Amalia-Irina Vlad, Health and Well-being Unit (H1)  
DG Communications Networks, Content and Technology  
European Commission**

# **Horizon 2020 SC1 Work Programme 2017 Overview PM-16, PM-17**

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

### Challenge:

- The development of new biomedical products and introduction to the market is very long and expensive.
- Alternative methodologies to reduce the animal and human testing are needed.

### Scope:

- To develop innovative in-silico trials for designing, developing and assessing drugs, devices, other biomedical and bioactive products, The in-silico trials refer to the use of individualised computer simulations in testing.
- Scientific and technological solutions and proofs of concept
- Computer simulation of the individual human physiology and physiopathology at the relevant biological levels and the interaction with the product; building virtual populations of individual patients
- Measures for validation and quantification of benefits are mandatory

- **Expected Impact:**

- Impact on redesigning human clinical trials, on reducing animal testing
- Impact on biomedical products: safer, faster on the market, reduced costs, repositioning, post-commercial assessment
- Impact on re-use in chemical testing, standards and 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 (4/4/4)
- Total Budget: 19 million €

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

### **Challenge:**

- better understanding the influences of external and internal (biological) factors on the resilience to challenges, illness etc. and recovery that influences health and well-being

### **Scope:**

- Development of new integrative 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 lifetime taken into account if possible
- Topic SSH flagged
- Measures of validation are mandatory

- **Expected Impact:**

- Identification of new personalised interventions for increasing resilience and recovery
- Predictive and preventive approaches in medicine, neurosciences and life sciences
- Improving knowledge about physiology and resilience in relation with SSH and with life circumstances
- Advancing in computer modelling (e.g. referring to the time scale)

## **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)
- RIA
- Cumulative threshold: 12 (4/4/4)
- Total Budget: 19 million €

## **SC1-PM-17-2017**

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

## Recent DG CNECT innovation policy documents closely related to SC1

### Health and Wellbeing Unit (H1):

- eHealth, Better Healthcare for Europe (summary of eHealth activities in H1, references and links): paper version only
- Green Paper on mobile health (2014): [bit.ly/ECmHealth](https://bit.ly/ECmHealth)
- Summary report to the Public consultation on the Green Paper on Mobile Health (2015): [bit.ly/ECmHealth](https://bit.ly/ECmHealth)
- Staff Working Document, Existing EU legal framework applicable to lifestyle & wellbeing apps (2014): [bit.ly/1tBPr5Z](https://bit.ly/1tBPr5Z)
- eHealth Projects (updated regularly): [europa.eu/!hp88pk](https://europa.eu/!hp88pk)
- eHealth Action plan 2012-2020: [europa.eu/!KD73MY](https://europa.eu/!KD73MY)



## Contact and more info

**Horizon 2020 Work Programme 2016-2017:**

[http://ec.europa.eu/research/participants/portal/desktop/en/funding/reference\\_docs.html#h2020-work-programmes-2016-17](http://ec.europa.eu/research/participants/portal/desktop/en/funding/reference_docs.html#h2020-work-programmes-2016-17)



**Health and Well-being (H1):** [CNECT-EHEALTH@ec.europa.eu](mailto:CNECT-EHEALTH@ec.europa.eu)

Twitter: [@EU\\_eHealth](https://twitter.com/EU_eHealth) ; [@EU\\_eHealthweek](https://twitter.com/EU_eHealthweek)

Website: [bit.ly/EUeHealth](http://bit.ly/EUeHealth)

Subscribe to our newsletter: [bit.ly/eHealthinFocus](http://bit.ly/eHealthinFocus)

**Digital Social Platforms (H2):** [CNECT-ICT4ageing@ec.europa.eu](mailto:CNECT-ICT4ageing@ec.europa.eu)

Twitter: [@EIP\\_AHA](https://twitter.com/EIP_AHA)

Website: [ec.europa.eu/digital-agenda/en/ageing-well-ict](http://ec.europa.eu/digital-agenda/en/ageing-well-ict)

Newsletter: [ec.europa.eu/information\\_society/newsroom/cf/dae/login.cfm](http://ec.europa.eu/information_society/newsroom/cf/dae/login.cfm)

## EC Participant Portal:

<http://ec.europa.eu/research/participants/portal/desktop/en/home.html>



## H2020 National Contact Points:

[http://ec.europa.eu/research/participants/portal/desktop/en/support/national\\_contact\\_points.html](http://ec.europa.eu/research/participants/portal/desktop/en/support/national_contact_points.html)

