



# Opportunities for African Participation in H2020

## Research and Innovation Work Programme 2016-2017



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**Building Bi-regional Partnerships for Global Challenges**



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# Societal Challenge 1: Health, demographic change and wellbeing

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# Societal Challenge 1 – General Information

## Health, Demographic Change and Wellbeing

- Focus Areas:
  - Personalized Medicine
    1. Understanding health, wellbeing and disease
    2. Preventing disease
    3. Treating and managing diseases
    4. Active ageing and self-management of health
    5. Methods and data
    6. Health care provision and integrated care
  - Health Coordination Activities
- Focus areas and topics
  - WP published on the 14<sup>th</sup> October 2015

# Societal Challenge 1: Overview

## Topics

### **UNDERSTANDING HEALTH, WELLBEING AND DISEASE**

SCI-PM 01 – 2016. Multi omics for personalised therapies addressing diseases of the immune system

SCI-PM 02 – 2017. New concept in patient stratification

SCI-PM 03 – 2017. Diagnostic characterisation of rare diseases

SCI-PM 04 – 2016. Networking and optimising the use of population and patient cohorts at EU level

### **PREVENTING DISEASE**

SCI-PM 05 – 2016. The European Human Biomonitoring Initiative

SCI-PM 06 – 2016. Vaccine development for malaria and/or neglected infectious diseases

SCI-PM 07 – 2017. Promoting mental health and well-being in the young

### **TREATING AND MANAGING DISEASES**

SCI-PM 08 – 2017. New therapies for rare diseases

SCI-PM 09 – 2016. New therapies for chronic diseases

SCI-PM 10 – 2017. Comparing the effectiveness of existing healthcare interventions in the adult population

# Societal Challenge 1: Overview

## Topics

SCI-PM 11 – 2016+2017. Clinical research on regenerative medicine

### **ACTIVE AGEING AND SELF-MANAGEMENT OF HEALTH**

SCI-PM 12 – 2016. PCP-eHealth innovation in empowering the patient

SCI-PM 13 – 2016. PPI for deployment and scaling up of ICT solutions for active and healthy ageing

SCI-PM 14 – 2016. EU-Japan cooperation on Novel ICT Robotics based solutions for active and healthy ageing at home or in care facilities.

SCI-PM 15 – 2017. Personalised coaching for well-being and care of people as they age

### **METHODS AND DATA**

SCI-PM 16 – 2017. In-silico trials for developing and assessing biomedical products

SCI-PM 17 – 2017. Personalized computer models and in-silico systems for well-being

# Societal Challenge 1: Overview

## Topics

SCI-PM 18 – 2016. Big Data supporting Public Health policies

SCI-PM 19 – 2017. PPI for uptake of standards for the exchange of digitalised healthcare records

SCI-PM 20. Development of new methods and measures for improved economic evaluation and efficiency measures in the health sector

### **HEALTHCARE PROVISION AND INTEGRATED CARE**

SCI-PM 21 – 2016. Implementation research for scaling-up of evidence based innovations and good practice in Europe and low and middle-income countries

### **CO-ORDINATION ACTIVITIES**

SCI-HCO 01 – 2016. Valorisation of FP7 Health and H2020 SC1 research results

SCI-HCO 02 – 2016. Standardisation of pre-analytical and analytical procedures for in vitro diagnostics in personalised medicine

SCI-HCO 03 – 2017. Implementing the Strategic Research Agenda on Personalised Medicine

SCI-HCO 04 – 2016. Towards globalisation of the Joint Programming Initiative on Antimicrobial resistance

SCI-HCO 05 – 2016. Coordinating personalised medicine research

SCI-HCO 06 – 2016. Towards an ERA-NET for building sustainable and resilient health system models

# Societal Challenge 1: Overview

## Topics

SCI-HCO 07 – 2017. Global Alliance for Chronic Diseases

SCI-HCO 08 – 2017. Actions to bridge the divide in European health research and innovation

SCI-HCO 10 – 2016. Support for Europe's leading Health ICT SMEs

SCI-HCO 11 – 2016. Coordinated Action to support the recognition of Silver Economy opportunities arising from demographic change

SCI-HCO 12 – 2016. Digital health literacy

SCI-HCO 13 – 2016. Healthcare workforce IT skills

SCI-HCO 14 – 2016. EU-US interoperability roadmap

SCI-HCO 15 – 2016. EU eHealth Interoperability conformity assessment

SCI-HCO 16 – 2016. Standardisation needs in the field of ICT for Active and Healthy Ageing

### **OTHER ACTIONS**

01 – 2016+2017. Subscription fee: Human Frontier Science Programme Organisation

02 – 2016+2017. InnovFin Infectious Diseases (InnovFin ID) Pilot

03 – 2016. First interim evaluation of the EDCTP2 programme

# Societal Challenge 1: Overview

## Topics

04 – First interim evaluation of the IM12 programme

05 – European registry for human embryonic stem cell lines

06 – Studies, activities of the Scientific Panel for Health, conferences, events and outreach activities

07 – External expertise

08 – Horizon Prize on reducing maternal and new-born morbidity and mortality – the Birth Day Prize

09 – Grant to the Global Alliance for Chronic Diseases

10 – Expert group for alternative to animal testing

11 – Presidency events - eHealth

12 – Establishing EU mHealth hub including evidence for the integration of mHealth in the healthcare system



# Societal Challenge 1 – Topics for African Researchers

- SCI-PM 01 – 2016. Multi omics for personalised therapies
- SCI-PM 06 – 2016. Vaccine development for poverty-related and neglected infectious diseases
- SCI-PM 08 – 2017. New therapies for rare diseases
- SCI-HCO-03-2017. Implementing the Strategic Research Agenda in Personalized Medicine
- SCI-HCO 04 – 2016. Towards globalization of the Joint Programming Initiative on Antimicrobial Resistance
- SCI-HCO 10 – 2016. Support for Europe's leading Health ICT SMEs
- SCI-12 – 2016. EU m-health hub including evidence for the integration of mHealth in institutional care

[http://ec.europa.eu/research/participants/data/ref/h2020/wp/2016\\_2017/main/h2020-wp1617-health\\_en.pdf](http://ec.europa.eu/research/participants/data/ref/h2020/wp/2016_2017/main/h2020-wp1617-health_en.pdf)