



# Horizon 2020

## 'Health, demographic change and wellbeing'

**European Commission  
Research & Innovation**

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HORIZON 2020  
National Information Day  
Vilnius, 10/01/2014

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# OUTLINE

- **Where to focus**
- **How to apply**
- **Proposal submission**
- **Guidance for applicants**

# Recap: the 'Health, demographic change and wellbeing' challenge

Proposed funding 2014-2020 (million EUR)



<b>Health, demographic change and wellbeing</b>	<b>7 472</b>
Food security, sustainable agriculture and forestry, marine and maritime and inland water research and the Bioeconomy	3 851
Secure, clean and efficient energy *	5 931
Smart, green and integrated transport	
Climate action, environment, resources	

**Do also look elsewhere! EU support of health related research & innovation is not limited to Societal Challenge 1**

# 7 Focus Areas

**Understanding health, ageing & disease**

**Effective health promotion, disease prevention, preparedness and screening**

**Improving diagnosis**

**Innovative treatments and technologies**

**Advancing active and healthy ageing**

**Integrated, sustainable, citizen-centred care**

**Improving health information, data exploitation and providing an evidence base for health policies and regulation**

# Strategic Initiatives



**Innovative Medicines Initiative 2**  
*[www.imi.europa.eu](http://www.imi.europa.eu)*



**European Innovation Partnership  
on Active and Healthy Ageing**  
*<https://webgate.ec.europa.eu/eipaha>*



**Active and Assisted Living 2**  
*[www.aal-europe.eu](http://www.aal-europe.eu)*



**European & Developing Countries  
Clinical Trials Partnership (EDCTP2)**  
*[www.edctp.org](http://www.edctp.org)*

# A new approach

**Challenge-driven**

**Broad topics**

**Less prescriptive topic texts**

**Two-year work programme**

**Stronger focus on end users**



# The Work Programme 2014/15 in Brief

## Call 'personalising health and care'

34 topics (15 in 2014, 17 in 2015, 2 open in both years)

## Call for 'co-ordination activities'

15 topics (10 in 2014, 5 in 2015)

€ 1,21  
billion



# Personalising Health and Care

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# CONDITION FOR THIS CALL

**Publication date: 11 December 2013**

**(Opening date: PHC 12 – 2014/2015 only: 1st March 2014)**

**Deadline(s) (2014): 11 March 2014 (stage one of two stage call)**

**15 April 2014 (single stage call)**

**19 August 2014 (stage two of two stage call)**

**Eligibility and admissibility conditions\*:**

**The conditions are described in parts B and C of the General Annexes to the work programme**

**Evaluation criteria, scoring and threshold\*:**

**The criteria, scoring and threshold are described in part H of the General Annexes to the work programme**

**(exception: PHC 12, SME topic)**

# Understanding the call topics: example

**PHC 2 – 2015: Understanding diseases: systems**

**Specific challenge:** The development of new improved understanding of the often very complex (bio) medicine approaches have the potential to... of a variety of biological and medical research data... collaborative approach is required to assemble the... biology, medicine, mathematics, computational... medicine approaches.

**Scope:** Proposals should focus on new avenues... phenotypes in multifactorial diseases and/or... development/optimisation and/or application of... of biomedical and clinical data to produce or refine... computational and mathematical approaches. The... validated in well-phenotyped patient cohorts, taking... potential thoroughly investigated.

The Commission considers that proposals requesting... EUR 4 and 6 million would allow this specific... Nonetheless, this does not preclude submission... amounts.

**Expected impact:** This will provide:

- Leverage of existing investments in Europe
- New directions for better disease detection
- Systems medicine tools and approaches that... which represent an improvement over existing

**Type of action:** Research and Innovation action

'PHC 2 – 2015'

'Specific challenge'

'Scope'

'Expected impact'

'Type of action'

## Unravelling health and disease

- **PHC 1 – 2014: Understanding health, ageing and disease: determinants, risk factors and pathways**
  - The identification of health trends and determinants, their validation, and the validation of risk factors for disease and disability, through the generation, integration and validation of data derived from relevant disciplines..
  - The identification of determinants and pathways characteristic of healthy and active ageing...
- **PHC 2 – 2015: Understanding diseases: systems medicine**
- **PHC 3 - 2015: Understanding common mechanisms of diseases and their relevance in co-morbidities**

## From "omics" ... to prevention

- **PHC 4 – 2015: Health promotion and disease prevention: improved inter-sector co-operation for environment and health based interventions**
- **PHC 5 – 2014: Health promotion and disease prevention: translating 'omics' into stratified approaches**
- **PHC 6 – 2014: Evaluating existing screening and prevention programmes**
- **PHC 7 – 2014: Improving the control of infectious epidemics and foodborne outbreaks through rapid identification of pathogens (see also societal challenge 2)**
- **Vaccine platforms for TB (PHC 8 - 2014) and HIV (PHC9 - 2015)**

## In biomarkers we trust ... and in novel diagnostic tools

- **PHC 10 – 2014: Development of new diagnostic tools and technologies: *in vitro* devices, assays and platforms**
- **PHC 11 – 2015: Development of new diagnostic tools and technologies: *in vivo* medical imaging technologies**
- **PHC 12 – 2014/2015: Clinical research for the validation of biomarkers and/or diagnostic medical devices**



## **Finding the cure ... and evaluating existing treatments**

- **PHC 13 – 2014: New therapies for chronic non-communicable diseases**
- **PHC 14 – 2015: New therapies for rare diseases**
- **PHC 15 – 2014/2015: Clinical research on regenerative medicine**
- **PHC 16 – 2015: Tools and technologies for advanced therapies**
- **PHC 17 – 2014: Comparing the effectiveness of existing healthcare interventions in the elderly**
- **PHC 18 – 2015: Establishing effectiveness of health care interventions in the paediatric population**

## **Adding more life to our years**

- **PHC 19 – 2014: Advancing active and healthy ageing with ICT: Service robotics within assisted living environments \***
- **PHC 20 – 2014: Advancing active and healthy ageing with ICT: ICT solutions for independent living with cognitive impairment \* (Innovation type of action)**
- **PHC 21 – 2015: Advancing active and healthy ageing with ICT: Early risk detection and intervention \***
- **PHC 22 – 2015: Promoting mental wellbeing in the ageing population**

**\* Topics with ICT focus**

## **The citizen in the centre (I)**

- **PHC 23 – 2014: Developing and comparing new models for safe and efficient, prevention oriented health and care systems**
- **PHC 24 – 2015: Piloting personalised medicine in health and care systems Self-management of health and disease**
- **PHC 25 – 2015: Advanced ICT systems and services for Integrated Care \*)**
- **PHC 26 – 2014: Self-management of health and disease: citizen engagement and mHealth\***

**\* Topics with ICT focus**

**Integrated, sustainable,  
citizen-centred care**

## **The citizen in the centre (II)**

- **PHC 27 – 2015: Self-management of health and disease and patient empowerment supported by ICT\***
- **PHC 28 – 2015: Self-management of health and disease and decision support systems based on predictive computer modelling used by the patient him or herself\***

**\* Topics with ICT focus**

**Improving health information,  
data exploitation and providing an  
evidence base for health policies  
and regulation**

## **Big Data for research**

- **PHC 30 – 2015: Digital representation of health data to improve disease diagnosis and treatment \***
- **PHC 31 – 2014: Foresight for health policy development and regulation**
- **PHC 32 – 2014: Advancing bioinformatics to meet biomedical and clinical needs**
- **PHC 33 – 2015: New approaches to improve predictive human safety testing**
- **PHC 34 – 2014: eHealth interoperability \***





# Co-ordination activities

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## Support for European and International Initiatives

- **HCO 1 – 2014: Support for the European Innovation Partnership on Active and Healthy Ageing**
- **HCO 2 – 2014: Joint Programming: Coordination Action for the Joint Programming Initiative (JPI) "More Years, Better Lives - the Challenges and Opportunities of Demographic Change"**
- **HCO 3 – 2015: Support for the European Reference Networks: Efficient network modelling and validation**
- **HCO 4 – 2014: Support for international infectious disease preparedness research**
- **HCO 5 – 2014: Global Alliance for Chronic Diseases: prevention and treatment of type 2 diabetes**
- **HCO 6 – 2015: Global Alliance for Chronic Diseases: 2015 priority**

# Completing the European Research Area

- **HCO 7 – 2014: ERA-NET: Establishing synergies between the Joint Programming on Neurodegenerative Diseases Research and Horizon 2020**
- **HCO 8 – 2014: ERA-NET: Aligning national/regional translational cancer research programmes and activities**
- **HCO 9 – 2014: ERA-NET: Systems medicine to address clinical needs**
- **HCO 10 – 2014: ERA NET: Rare Disease research implementing IRDiRC objectives**
- **HCO 11 – 2015: ERA-NET: Collaboration and alignment of national programmes and activities in the area of brain-related diseases and disorders of the nervous system**
- **HCO 12 – 2015: ERA-NET: Antimicrobial Resistance**
- **HCO 13 – 2015: ERA-NET: Cardiovascular disease**

## **Other Activities**

- **HCO 14 – 2014: Bridging the divide in European health research and innovation**
- **HCO 15 – 2014: Mobilisation and mutual learning action plan**
- **HCO 16 – 2014: National Contact Points**



# Horizon 2020 'Health, demographic change and wellbeing'

Applying for  
funding: proposal  
submission





# H2020 Calls

## All call related documentation is published on the Participant Portal

<http://ec.europa.eu/research/participants/portal/page/home>

The screenshot shows the homepage of the Research and Innovation Participant Portal. At the top, there is a navigation bar with the European Commission logo, the text "RESEARCH & INNOVATION Participant Portal", and a "BETA VERSION 4" badge. Below this is a secondary navigation bar with links for "HOME", "FUNDING OPPORTUNITIES", "HOW TO PARTICIPATE", "EXPERTS", and "SUPPORT". On the right side of this bar are "LOGIN" and "REGISTER" buttons. The main content area features a large heading "Welcome to the Research and Innovation Participant Portal". Below this heading are two columns of information. The left column, titled "About the Participant Portal:", explains that the portal is the entry point for the electronic administration of EU-funded research and innovation projects. It lists the main EU programmes supported: the 7th Framework Programme for Research and Technological Development (FP7) and the Competitiveness and Innovation Framework Programme (CIP). The right column, titled "Using the Participant Portal:", provides instructions for both guest and registered users. Guest users can search for funding opportunities, download guidance, search for PIC codes, and contact support services. Registered users benefit from personalised services for proposal submission and project management. At the bottom of the page, there is a row of six icons representing different portal features: "WHATS NEW", "FUNDING OPPORTUNITIES", "HOW TO PARTICIPATE?", "WORK AS AN EXPERT", "ACCESS MY PERSONAL AREA", and "INFORMATION AND SUPPORT".

(A-Z) Sitemap About this site Contact Legal Notice English

RESEARCH & INNOVATION  
Participant Portal

European Commission > Research & Innovation > Participant Portal > Home

HOME FUNDING OPPORTUNITIES HOW TO PARTICIPATE EXPERTS SUPPORT

LOGIN REGISTER

### Welcome to the Research and Innovation Participant Portal

**About the Participant Portal:**

The Participant Portal is your entry point for the electronic administration of EU-funded research and innovation projects. It hosts services for managing proposals and projects throughout their lifecycle.

The Participant Portal supports activities funded mainly by the following EU programmes:

- 7th Framework Programme for Research and Technological Development (FP7)
- Competitiveness and Innovation Framework Programme (CIP)

**Using the Participant Portal:**

**As a guest user,** browse the public pages to:

- search for funding opportunities
- download guidance and legal documents
- search for the participant identification code (PIC) of an organisation
- contact the FP7 support services and browse the FAQ for guidance on the Participant Portal tools

**As a registered user,** benefit from personalised services for proposal submission, negotiation, and project management.

WHATS NEW FUNDING OPPORTUNITIES HOW TO PARTICIPATE? WORK AS AN EXPERT ACCESS MY PERSONAL AREA INFORMATION AND SUPPORT

RESEARCH ON EUROPA CORDIS OLAF

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# RESEARCH & INNOVATION

## Participant Portal



- Calls
  - Horizon 2020
  - COSME
- Search Topics
- Call Updates
- Other Funding Opportunities
- Previous Framework Programmes (FP7 & CIP)

## HORIZON 2020 CALLS

FUNDING GUIDE

66 results

### Filter options

#### Specific Programme:

- Excellent Science
- Industrial Leadership
- Societal Challenges
- Spreading excellence and widening participation
- Science with and for society

#### Type:

- Calls for proposal
- Calls for tender

#### Status:

- Open calls
- Closed calls
- Forthcoming calls

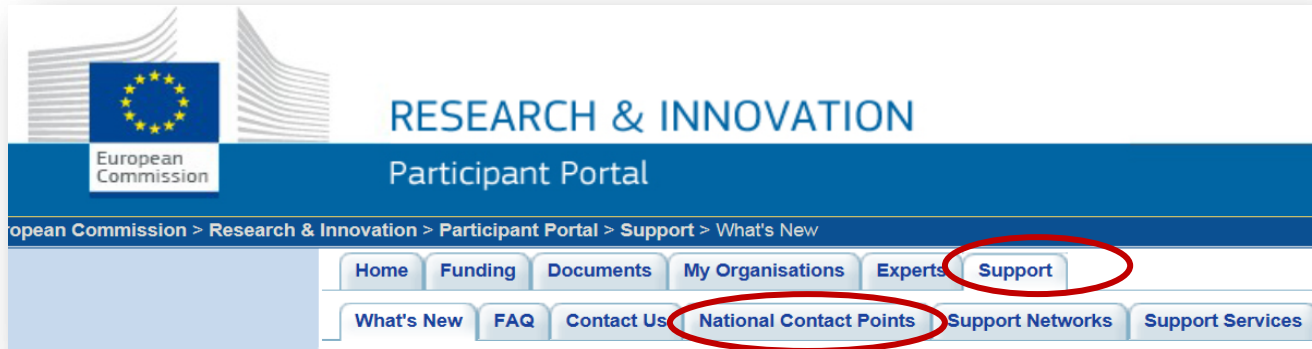
Sort by:  Publication date  Deadline  Title  Call ID

<p><i>call for proposals</i></p> <p><b>EXCELLENT SCIENCE</b> Developing new world-class research infrastructures</p> <p>H2020-RIDEV-2014/2015</p> <p>PUBDATE 2013-12-11 DEADLINE 2014-03-12</p>	<p><i>call for proposals</i></p> <p><b>INDUSTRIAL LEADERSHIP</b> Nanotechnologies, Advanced Materials and KET support</p> <p>H2020-NMK-2014/2015</p> <p>PUBDATE 2013-12-11 DEADLINE 2014-03-12</p>	<p><i>call for proposals</i></p> <p><b>SOCIETAL CHALLENGES</b> Sustainable Food Security</p> <p>H2020-SFS-2014/2015</p> <p>PUBDATE 2013-12-11 DEADLINE 2014-03-18</p>
<p><i>call for proposals</i></p> <p><b>SOCIETAL CHALLENGES</b> Water Innovation: Boosting its value for Europe</p> <p>H2020-WATER-2014/2015</p> <p>PUBDATE 2013-12-11 DEADLINE 2014-03-18</p>	<p><i>call for proposals</i></p> <p><b>EXCELLENT SCIENCE</b> Marie Skłodowska-Curie Innovative Training Network</p> <p>H2020-MSCA-ITN-2014</p> <p>PUBDATE 2013-12-11 DEADLINE 2014-04-08</p>	<p><i>call for proposals</i></p> <p><b>SOCIETAL CHALLENGES</b> Mobility for Growth</p> <p>H2020-MG-2014/2015</p> <p>PUBDATE 2013-12-11 DEADLINE 2014-03-18</p>
<p><i>call for proposals</i></p> <p><b>EXCELLENT SCIENCE</b> FET Open - fostering novel ideas</p> <p>H2020-FETOPEN-2014/2015</p> <p>PUBDATE 2013-12-11 DEADLINE 2014-03-18</p>	<p><i>call for proposals</i></p> <p><b>INDUSTRIAL LEADERSHIP</b> Biotechnologies</p> <p>H2020-BIOTEC-2014/2015</p> <p>PUBDATE 2013-12-11 DEADLINE 2014-04-20</p>	<p><i>call for proposals</i></p> <p><b>SOCIETAL CHALLENGES</b> Blue Growth: Unlocking the potential of the oceans</p> <p>H2020-BG-2014/2015</p> <p>PUBDATE 2013-12-11 DEADLINE 2014-09-10</p>

### Stay informed




- RSS feed [ⓘ](#)
- iCal [ⓘ](#)
- Email notification [ⓘ](#)

# Find your project partners



<http://ec.europa.eu/research/participants/portal>



-  Publish your Profile
-  Publish your partner search
-  Find your project partners

<http://www.fitforhealth.eu>

# Electronic Submission



**Electronic Submission System accessed from the call page**

**ECAS password**

**PICs for all partners**

**Prepare proposal,**

On-line for Part A structured part

Upload Part B - pdf file(s)

**Submit the proposal!**

**Validation checks**

**Complete submission, before the 17h00 deadline!!**

**Submission failure rate in the past =  $\pm 1\%$**

# Submission in H2020

**Self check for SME status, financial viability**

**Proposal part B closely matching criteria**

**Aligned with Grant Agreement “Description of Work”**

**Tougher page limits**

**“warn and watermark” in first round of calls**

**Two-stage and single-stage calls indicated with the topics**



# Experts

**Appropriately qualified individuals may apply to work as experts in H2020 evaluations**

**Application via Participant Portal**



**Call for experts published 22 November**  
**Official Journal of the European Union C342/3**

<http://eurlex.europa.eu/JOHtml.do?uri=OJ%3AC%3A2013%3A342%3ASOM%3AEN%3AHTML>



# Horizon 2020 'Health, demographic change and wellbeing'

**Proposal  
evaluation**



# Proposal evaluation

- **Criteria & scoring** – in the WP General Annex
- **Proposal evaluation process** involving at least 3 external experts per proposal – in Commission Guidelines



# Award criteria: Research and Innovation Actions; Innovation Actions; SME instrument

## 1. Excellence

- Ground-breaking nature (e.g. level of ambition, beyond the state-of-the-art, novel approach, addresses challenge, ... )
- Conceptually robust; trans-disciplinarity considered...

## 2. Impact [...] extent to which project outputs contribute to:

- The expected impacts listed in the work programme under the relevant topic;
- Enhancing innovation capacity and integration of new knowledge;
- Strengthening the competitiveness and growth of companies by developing innovations meeting the needs of European and global markets;
- Effectiveness of the proposed measures to communicate the project, disseminate and/or exploit the project results, and appropriate management of IPR.

## 3. Quality and efficiency of implementation

- Coherence and effectiveness of the work plan, including appropriateness of the allocation of tasks and resources;
- Competences, experience and complementarity of the individual participants, as well as of the consortium as a whole;
- Appropriateness of the management structures and procedures, including risk management



# HORIZON 2020

**Thank you  
for your attention!**

**Find out more:**  
[www.ec.europa/research/horizon2020](http://www.ec.europa/research/horizon2020)