



## Horizon 2020

# Opportunities for funding Health Programmes

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**HORIZON 2020** is the new European Programme for funding Research & Innovation for the period **2014-2020**, with a budget of **79.4 billion EUR**.

**It aims at:**

- Responding to the economic crisis to invest in future jobs and growth
- Strengthening the EU's global position in research, innovation and technology
- Improving the quality of life of European citizens



<http://ec.europa.eu/research/horizon2020>

# What's new?

- **A single programme bringing together three separate programmes/initiatives**
- **Coupling research to innovation – from research to retail, all forms of innovation**
- **Focus on societal challenges facing European society e.g. health and ageing, clean energy and transport**
- **Simplified access, for all companies, universities, institutes in all EU countries and beyond**

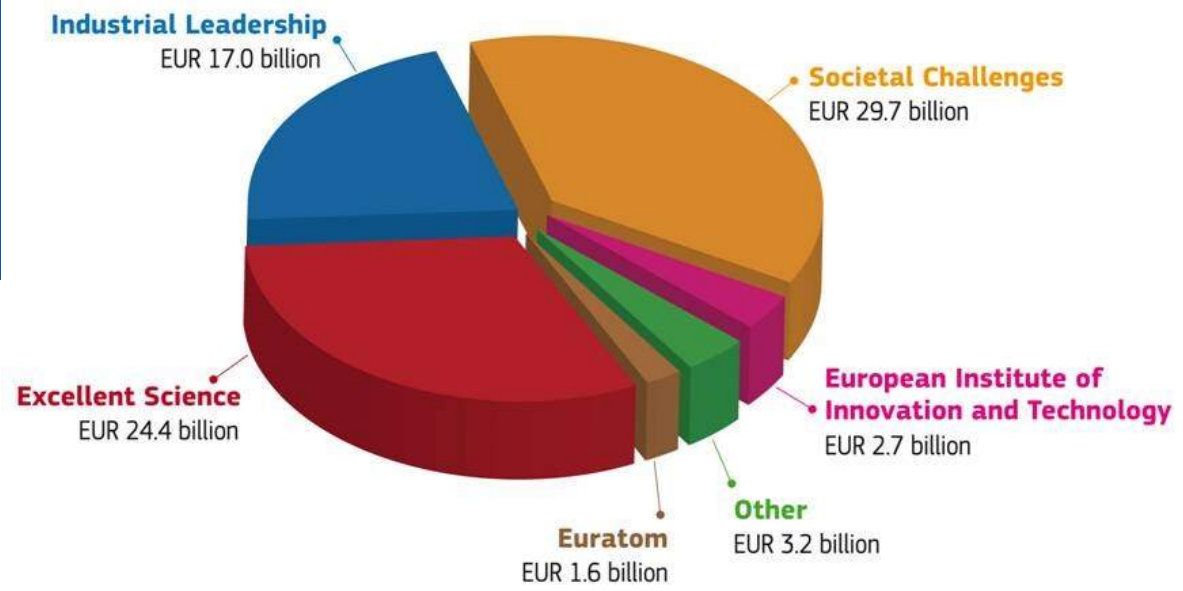




# Three priorities



## HORIZON 2020 BUDGET (EUR 78.6 billion, current prices)



# Three priorities

- **Excellence Science:**

**High-level scientific research & world-class research infrastructure in order to attract the best scientists of the EU in the world**

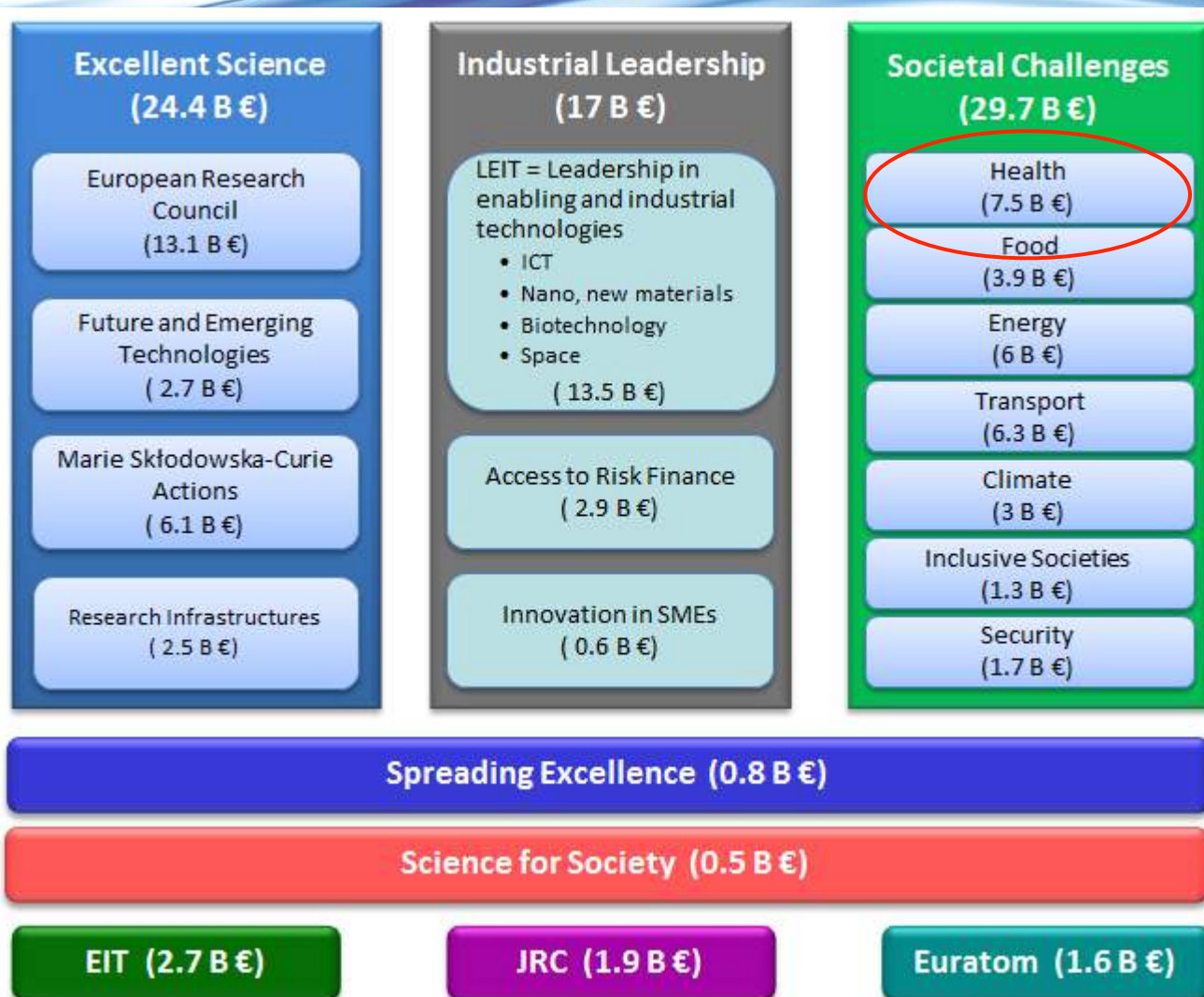
- **Industrial Leadership:**

**Strategic funding in key-enabling technologies to attract private investment in research and innovation (i.e. ICT, nanotechnologies, materials, biotechnology, manufacturing, space)**

- **Societal Challenges:**

**Addressing key societal challenges (climate, environment, energy, transport etc.) through multi-disciplinary applied research including social sciences & humanities**

# Three priorities



# More opportunities for SMEs

- **Integrated approach - around 20% of the total budget for societal challenges to go to SMEs**
- **Simplification of particular benefit to SMEs (e.g. single entry point)**
- **A new SME instrument will be used across all societal challenges**
- **'Access to risk finance' will have a strong SME focus (debt and equity facility)**



# The challenges



- **Ageing population**
- **Increased disease burden**
- **Unsustainable and unequal health & care systems**
- **Health & care sector under pressure to reform**





# A new approach



- **Challenge-driven**
- **Broad topics**
- **Less prescriptive topic texts**
- **Two-year work programme: 2014-2015: 1,2 billion EUR of EU funding for health research and innovation**
- **Stronger focus on end users**
- **Translation science to benefit citizens**



## 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**



# 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 take advantage of a variety of biological and medical research data. A collaborative approach is required to assemble the data from biology, medicine, mathematics, computational and systems medicine approaches.

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

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

**Expected impact:** This will provide:

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

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

- 'PHC 2 – 2015'
- 'Specific challenge'
- 'Scope'
- 'Expected impact'
- 'Type of action'

# Personalizing health care PHC 2015 calls

- **Effective health promotion, disease prevention, preparedness and screening: PHC 9**

Topic	Title	Type	Budget	Budget/ application	Deadline
PHC 9	Vaccine development for poverty-related and neglected infectious diseases: HIV/AIDS	Research and Innovation Action	21 million EUR	4-6 million EUR	24/02/2015

# Personalizing health care PHC 2015 calls

- Improving diagnosis: **PHC 12**

Topic	Title	Type	Budget	Budget/ application	Deadline
<b>PHC 12</b>	Clinical research for the validation of biomarkers and/or diagnostic devices	SME instrument (100% funding)	45 million EUR	1-5 million EUR	Phase 1: <b>18/03/2015</b> <b>16/06/2015</b> Phase 2: <b>18/03/2015</b> <b>16/06/2015</b>

# Personalizing health care PHC 2015 calls

- **Innovative treatments and technologies: PHC 15**

Topic	Title	Type	Budget	Budget/ application	Deadline
PHC 15	Clinical research on regenerative medicine	Research and innovation action	37 million EUR	4-6 million EUR	24/02/2015

# Personalizing health care PHC 2015 calls

- **Advancing active and healthy ageing: PHC 21**

Topic	Title	Type	Budget	Budget/ application	Deadline
<b>PHC 21</b>	Advancing active and healthy ageing with ICT	Research and Innovation action	20 million EUR	3-4 million EUR	<b>21/04/2015</b>

# Personalizing health care PHC 2015 calls

- **Integrated, sustainable, citizen-centred care: PHC 25, PHC 27, PHC 28, PHC 29**

Topic	Title	Type	Budget	Budget/ appl.	Deadline
PHC 25	Advanced ICT systems and services for Integrated Care	Research and innovation action	20 million EUR	3-5 million EUR	21/04/2015
PHC 27	Self-management of health and disease and patient empowerment supported by ICT	Pre-commercial procurement	15 million EUR	3-5 million EUR	21/04/2015
PHC 28	Self-management of health and disease and decision support systems based on predictive computer modelling used by the patient him or herself	Research and innovation action	19.5 million EUR	3-5 million EUR	21/04/2015
PHC 29	Public procurement of innovative eHealth services	Public procurement of innovative solutions	10 million EUR	1-5 million EUR	21/04/2015



# Personalizing health care PHC 2015 calls

- Improving health information, data exploitation and providing an evidence base for health policies and regulation: **PHC 30, PHC 33****

Topic	Title	Type	Budget	Budget/ application	Deadline
<b>PHC 30</b>	Digital representation of health data to improve disease diagnosis and treatment	Research and innovation action	20 million EUR	3-5 million EUR	<b>21/04/2015</b>
<b>PHC 33</b>	New approaches to improve predictive human safety testing	Research and innovation action	30 million EUR	10-30 million EUR	<b>24/02/2015</b>

# Type of actions

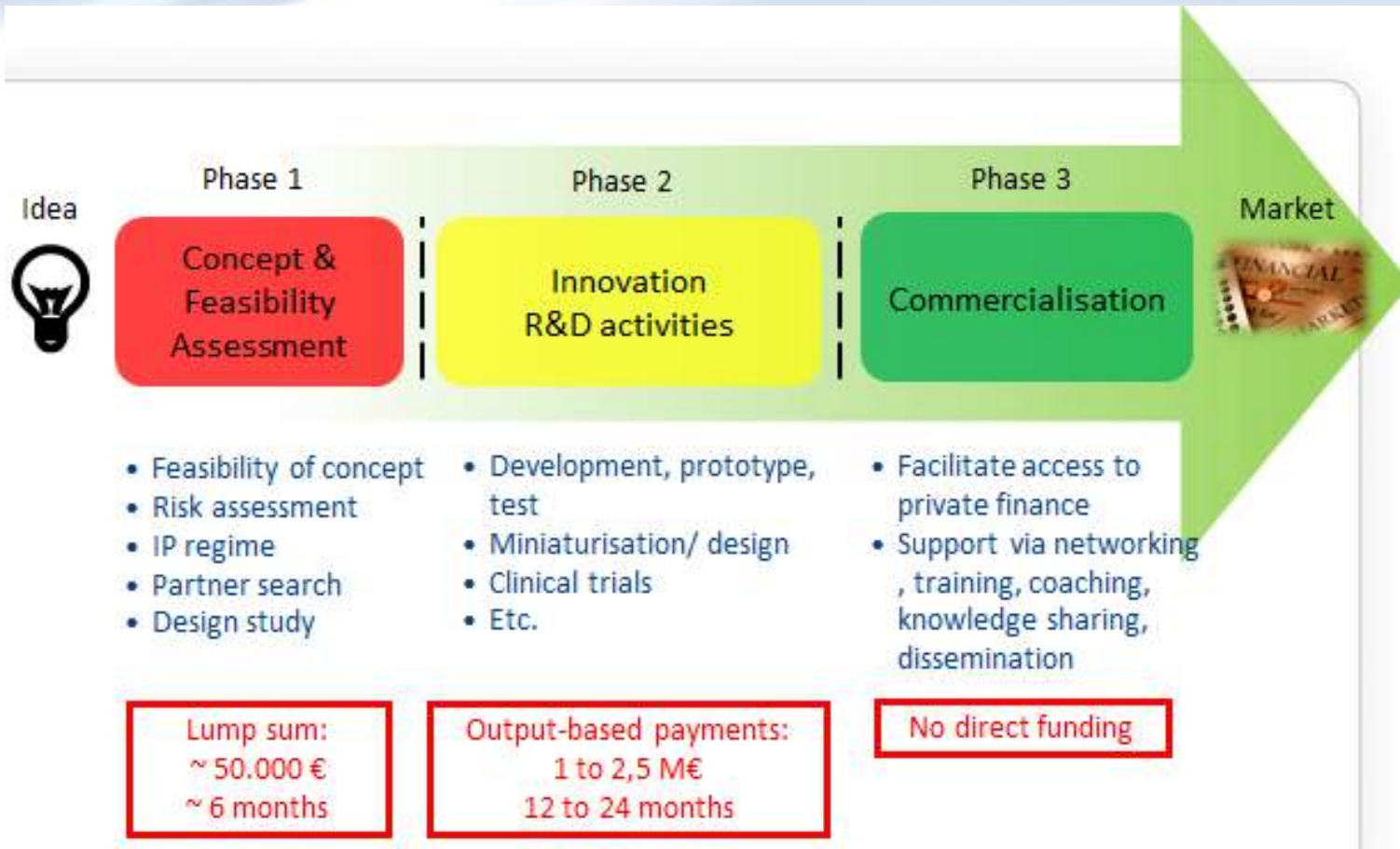
## Research & Innovation Action:

- **100% reimbursement**
- **Collaborative research projects with clearly defined scientific and technological objectives & expected results carried out by project consortia**
- **At least three legal entities independent of each other and each established in a different Member State or an Associated Country, participants from USA can be funded**
- **Industry, academia, SMEs or others**



# Type of actions

## SME instrument:



# Type of actions

## SME instrument:

- Targeted at all types of innovative SMEs showing a strong ambition to develop, grow and internationalise
- Only SMEs will be allowed to apply for funding and support
- No obligation for applicants to sequentially cover all three phases; each phase open to all SMEs
- 100% funding in Health research (others 70%)



## **Clinical studies:**

- **can be funded (phase 0 to phase 4)**
- **Focus on clinical trials: Topics 2015: PHC 12, PHC 15**
- **2014/15: Over 300 EUR million of funding earmarked for clinical trials**
- **„Template for essential information to be provided for proposals including clinical trials / studies / investigations” is mandatory**
- **Unit costs can be reimbursed**

[http://ec.europa.eu/research/participants/portal/doc/call/h2020/h2020-phc-2014-single-stage/1600139-essential\\_information\\_for\\_clinical\\_studies\\_en.pdf](http://ec.europa.eu/research/participants/portal/doc/call/h2020/h2020-phc-2014-single-stage/1600139-essential_information_for_clinical_studies_en.pdf)

# How to apply

**Calls and all necessary documentation are published on the Participant Portal**



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

**RESEARCH & INNOVATION**  
Participant Portal

European Commission

European Commission > Research & Innovation > Participant Portal > Home

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LOGIN REGISTER

**BETA VERSION 4**

## 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)**
- **Competiveness 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.

**WHAT'S 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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## Electronic Submission

### Electronic Submission System accessed from the call page

- **ECAS password**
- **PICs for all partners**
- **Prepare proposal,**
- **On-line for structured part - Part A**
- **Upload non-structured part – Part B - pdf file(s)**
- **Complete submission, before the 17h00 deadline**  
**(submission failure rate = + 1%)**
- **Part B page limit: 70 pages: Research and innovation actions**



## Evaluation criteria:

- **Excellence**
  - **Impact**
  - **Implementation**
- 
- **each criterion scored out of 5; individual threshold of 3; overall threshold of 10, can be specific in the call**
  - **SME instrument: impact score is weighted by factor of 1.5**





# 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)

## Innovative Medicine Initiative (IMI) 2



- **Public-Private Partnership between EU and EFPIA (European Federation of Pharmaceutical Industries and Associations)**
- **Goal: provide faster access to better medicines through identifying promising drug candidates with greater certainty at an earlier stage**
- **Budget: 3.3 million EUR for the period: 2014-2024**

## Open call:

## Ebola and other filoviral haemorrhagic fevers

## Call topics:

**Topic 1: Vaccine development Phase I, II, and III**

**Topic 2: Manufacturing capability**

**Topic 3: Stability of vaccines during transport and storage**

**Topic 4: Deployment and compliance of vaccination regimens**

**Topic 5: Rapid diagnostic tests**

**Deadline: 1 December 2014**



# IMI2 calls

## **Future topics:**

- **Remote assessment for disease and relapse (RADAR), topic 1: central nervous system (CNS)**
- **Assessing risk and progression of prediabetes and type 2 diabetes to enable disease modification**
- **Linking clinical neuropsychiatry and quantitative neurobiology**
- **The consistency approach to quality control in vaccine manufacture**
- **Pertussis vaccination research**
- **Knowledge Repository to enable patient focused medicine development**

<http://www.imi.europa.eu/content/imi-2>

# Ambient Assisted Living (AAL)



## AAL2: Ambient Assisted Joint Programme

### Goals:

- to create better condition of life for the older adults
- to strengthen the industrial opportunities in Europe through the use of information and communication technology (ICT).

**Budget: 600 million EUR from 22 EU countries + EU funding 150 million EUR**

## Future calls: 2015

**Topic: Living active and independently at home**

**The contribution of ICT/technologies to integrated solutions for supporting active and independent living of older adults in their home**

**Launch: February 2015**

**Deadline: May 2015**



<http://www.aal-europe.eu/>



## Information:

<http://ec.europa.eu/programmes/horizon2020/>

<http://www.h2020.gov.hu/horizont2020-program>

## Partner search:

- **Fit for Health**

<http://www.fitforhealth.eu>

- **IMI**

<https://cloud.imi.europa.eu/web/eimi-pst>

- **CORDIS**

<https://cordis.europa.eu/partners/web/guest/home>

## Experts:

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



# Thank you for your attention

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