



Horizon 2020

**Societal Challenge 1:
Health, demographic
change and wellbeing**



What is Horizon 2020?



**The EU's 2014-20 programme
for research & innovation**

77 billion euros over 7 years

- Responding to the economic crisis to invest in future jobs and growth
- Addressing people's concerns about their livelihoods, safety and environment
- Strengthening the EU's global position in research, innovation and technology

Horizon 2020 - 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

* The 7th Research Framework Programme (FP7), innovation aspects of Competitiveness and Innovation Framework Programme (CIP), EU contribution to the European Institute of Innovation and Technology (EIT)

Three priorities



Societal challenges

29 679 million EUR

1. Health, demographic change and wellbeing	7 472
2. Food security, sustainable agriculture and forestry, marine and maritime and inland water research and the Bioeconomy	3 851
3. Secure, clean and efficient energy	5 931
4. Smart, green and integrated transport	6 339
5. Climate action, environment, resource efficiency and raw materials	3 081
6. Inclusive, innovative and reflective societies	1 310
7. Secure societies	1 695



Horizon 2020 'Health, demographic change and wellbeing'

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The challenges



- **Ageing population**
- **Increased disease burden**
- **Sustainability and equality of health & care systems**

A new approach

A young boy with curly hair is looking towards a female doctor. The doctor is wearing a white lab coat and a green stethoscope, and she is smiling. The background is plain white.

Challenge-driven

Broad topics

Less prescriptive topic texts

Two-year work programme

Stronger focus on end users

More opportunities for SMEs

- **Some 20% of the total budget** for societal challenges/LEITs to go to SMEs
- **Simplification** – a great benefit to SMEs
- **'Access to risk finance'** with strong SME focus (debt and equity facility)
- A **new SME instrument**

SME instrument

Idea



Phase 1

Concept & Feasibility Assessment

- Feasibility of concept
- Risk assessment
- IP regime
- Partner search
- Design study

**Lump sum:
~ 50.000 €
~ 6 months**

Phase 2

Innovation R&D activities

- Development, prototype, testing
- Miniaturisation/design
- Clinical trials
- Etc.

**EU funding: 1 to 5 M€
12 to 36 months**

Phase 3

Commercialisation

- Facilitate access to private finance
- Support via networking, training, coaching, knowledge sharing, dissemination

No direct funding

Market



Getting you started faster

- **A single set of** simpler and more coherent participation **rules**
- Just **2 funding rates (70% / 100%)**
- **Single flat rate (25%)** for overhead or 'indirect costs'
- **Simpler financial regulation** to come
- **8 months time-to-grant target**





Collaborative Research

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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 transform a variety of biological and medical research data. A collaborative approach is required to assemble the biology, medicine, mathematics, computational and medicine approaches.

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

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'

16 topics (10 in 2014, 6 in 2015)

€ 1,21
billion

Call 'personalising health and care'

Seven 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**

Call 'personalising health and care'

Seven areas

- **Understanding health, ageing & disease**
 - **Determinants, risk factors, systems medicine, common mechanisms and co-morbidity**
- **Effective health promotion, disease prevention, preparedness and screening**
 - **Environment and health interventions, -omics for personalised medicine, screening programmes, zoonoses, vaccine platforms**
- **Improving diagnosis**
 - **In vitro, medical imaging, validation of biomarkers**

Call 'personalising health and care'

Seven areas

- **Innovative treatments and technologies**
 - **Clinical trials, rare diseases, regenerative medicine, advanced therapies, comparative effectiveness in the elderly, establishing effectiveness in the paediatric population**
- **Advancing active and healthy ageing**
 - **Robotics, cognitive impairment, risk detection, mental wellbeing in ageing population**
- **Integrated, sustainable, citizen-centred care**
 - **New models for health and care systems, personalised medicine pilots, ICT systems for integrated care, mHealth, public procurement of eHealth**

Call 'personalising health and care'

Seven areas

- **Improving health information, data exploitation and providing an evidence base for health policies and regulation**
 - **Digital patient, foresight, bioinformatics, predictive human safety testing, eHealth interoperability**

Call for 'co-ordination activities'

Support for European and International Initiatives

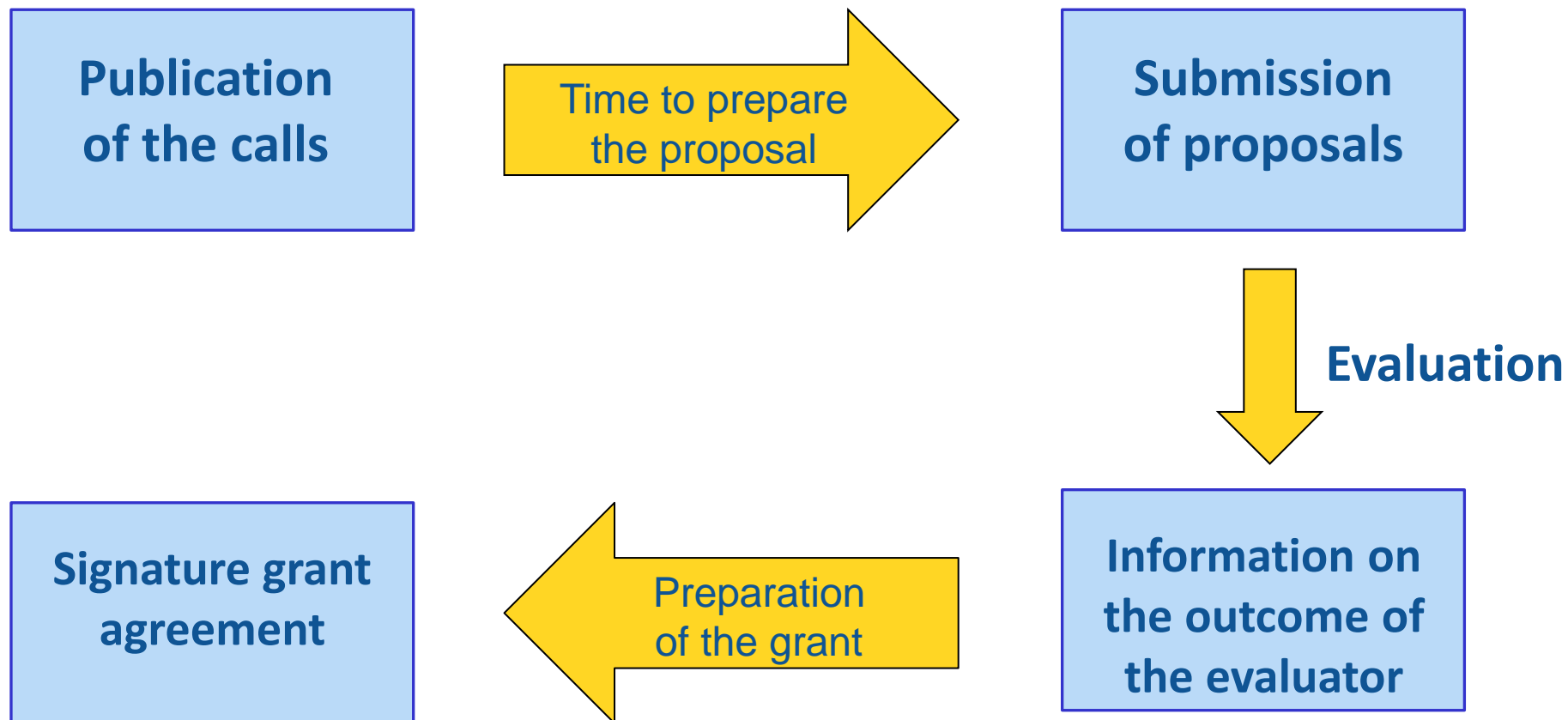
- **European Innovation Partnership on Active and Healthy Ageing**
- **Global Alliance for Chronic Diseases (GACD) – Diabetes (2014)**
- **Joint Programming Initiative 'More Years, Better Life's (2014)**
- **Joint Programming Initiative on neurodegenerative diseases (JPND, 2014)**
- **Global Research Collaboration for Infectious Disease Preparedness (2014)**
- **European Reference Networks (2015)**

Call for 'co-ordination activities'

Completing the European Research Area

- **Joint Programming Initiative on neurodegenerative diseases (JPND, 2014)**
- **Translational cancer research (2014)**
- **Systems medicine for clinical needs (2014)**
- **Rare diseases (2014)**
- **2015: Brain-related disorders, antimicrobial resistance, cardiovascular diseases**

Applying for funding – the process in brief



Participant portal – your one-stop shop

- Topics
- Documents
- Rules for participation

(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.

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

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

Other useful websites

CORDIS (FP7)



http://cordis.europa.eu/home_en.html

eHealth research on Europa



<http://ec.europa.eu/digital-agenda/en/life-and-work/living-healthy-ageing-well>

Health research on Europa



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

Fit for Health: Partner search



<http://www.fitforhealth.eu/>

Next steps

Submission deadlines for your proposals	Two-stage topics: 11 March & 19 August Single stage topics: 15 April SME instrument: <ul style="list-style-type: none">• Phase 1: 3 cut-off dates: 18/06 ; 24/09 ; 17/12/2014• Phase 2: 2 cut-off dates: 09/10 ; 17/12/2014
Horizon 2020 national launch events	Final stages <i>http://ec.europa.eu/programmes/horizon2020/en/newsroom/573%20550/</i>
National / regional Infodays	Check with your national contact points <i>http://ec.europa.eu/research/participants/portal/desktop/en/support/national_contact_points.html</i>

Health, Demographic Change and Wellbeing
Dr. Ghenadie CUROCICHIN
State University of Medicine and Pharmaceutics N.Testemitanu
+37369149267, ghenadie.curocichin@h2020.md



Coming soon...

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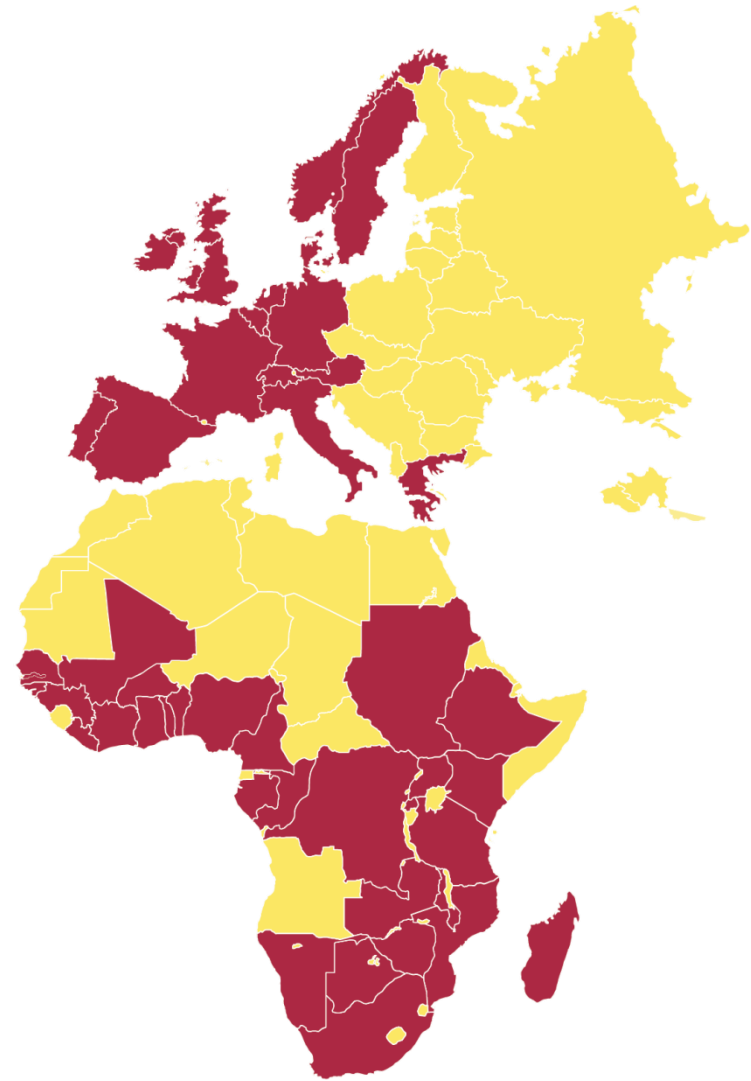


In the Pipeline: IMI2

- **Commission proposal** from 10 July, legislative process ongoing
- **Mission:** create an even more powerful research and innovation machine, with broader objectives and a wider range of activities and partners
- **Proposed budget:** €3.45 billion, equally shared between public and private partners
- **Key objectives:**
 - Pave the way for the breakthrough vaccines, medicines and treatments which we will need in the near future
 - Enable top quality research and innovations with great public health benefits and commercial possibilities

In the Pipeline: EDCTP2

- **Broader scope**
+ neglected infectious diseases, all clinical phases, diagnostics and delivery optimisation
- **More EU co-funding**
almost €700 million
- **Longer duration**
10 years



In the Pipeline: AAL2

- **AAL:** €600 million from 22 EU countries + EU funding of €150 million
- **Scope of AAL 2: Market-oriented ICT research in assisted living technologies & services**
- **New instruments:** e.g. prizes or innovation grants
- **More EU co-funding:** Participating countries pay €225 million (indicative), EU pays up to €175 million (indicative, ~40% of total public funding)





Thank you!

