

HEALTH RESEARCH IN H2020 PROGRAMME

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Nemzetközi Kapcsolatok Főosztálya

2018.02.02.



Horizon 2020

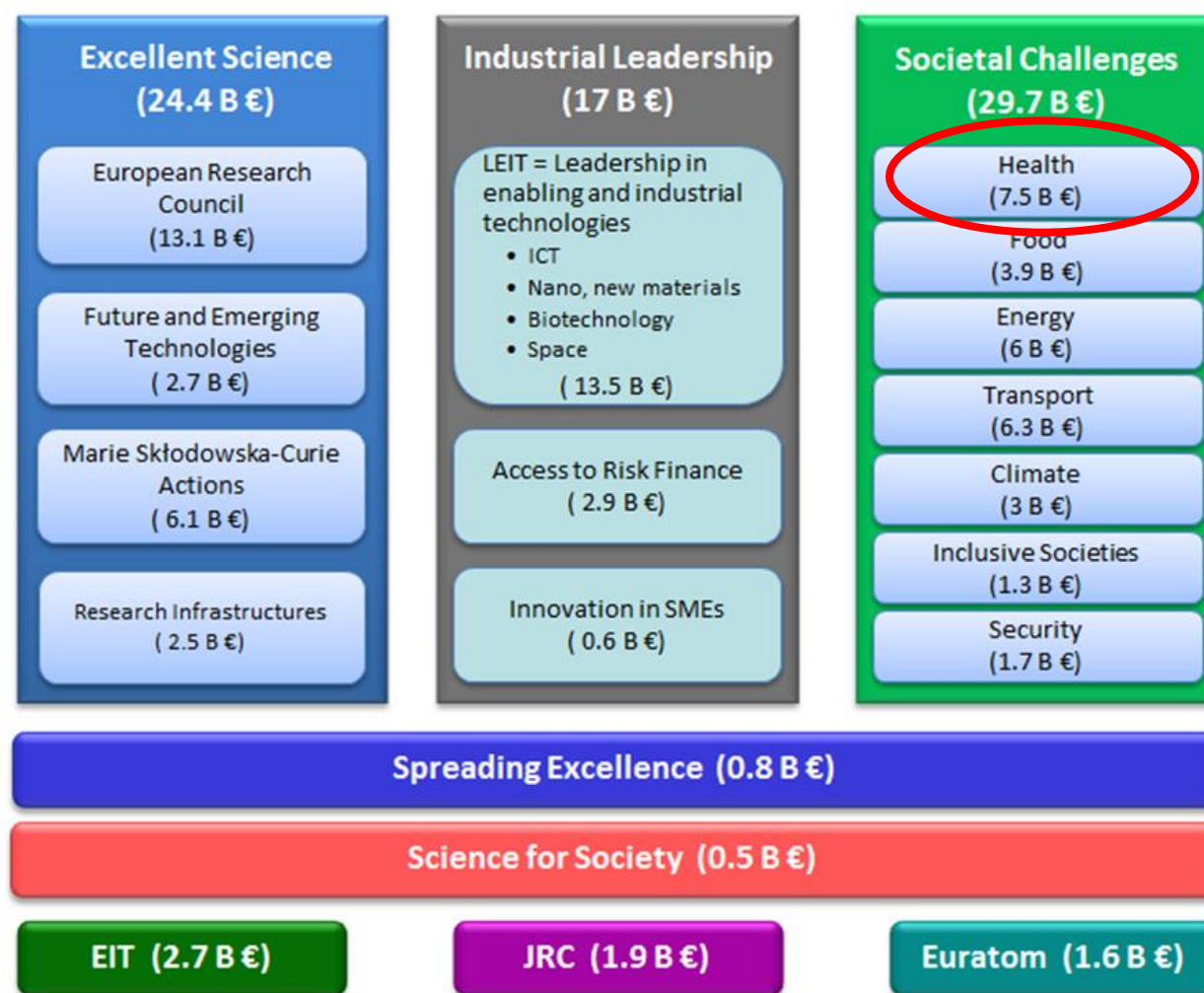
Research and innovation – a growing priority for the EU ↔ Horizon2020 must deliver

Budget 2018-2020: **2 billion EUR**

- You should perform **EXCELLENT** research and innovation
- Your project must have an **IMPACT**
- Show **ADDED VALUE**, be multidisciplinary and well-implemented



Three priorities

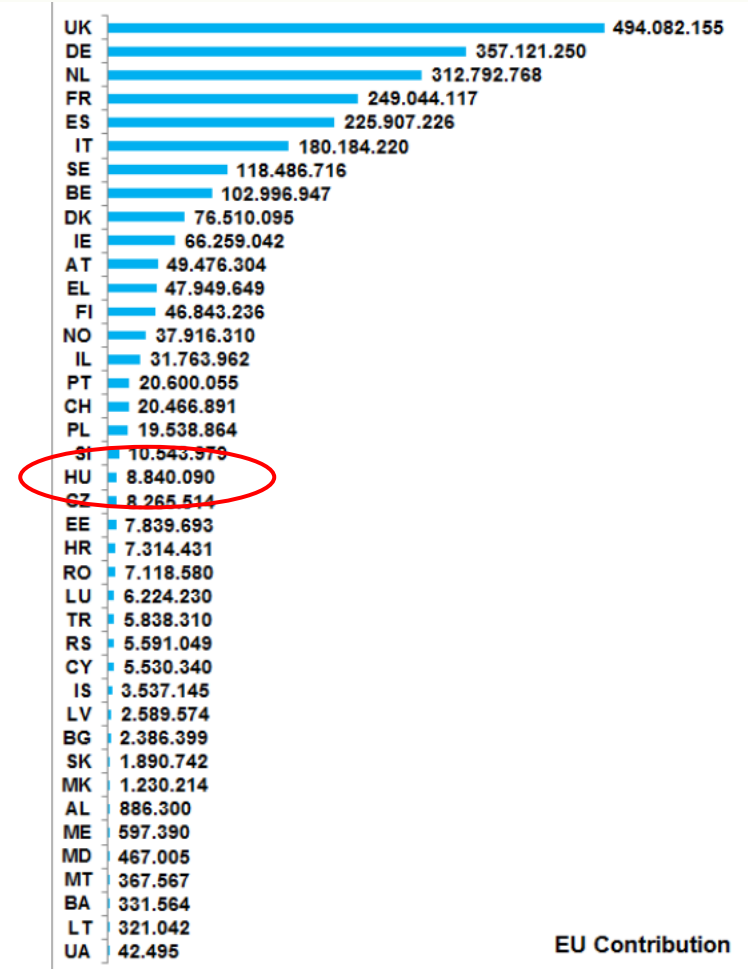
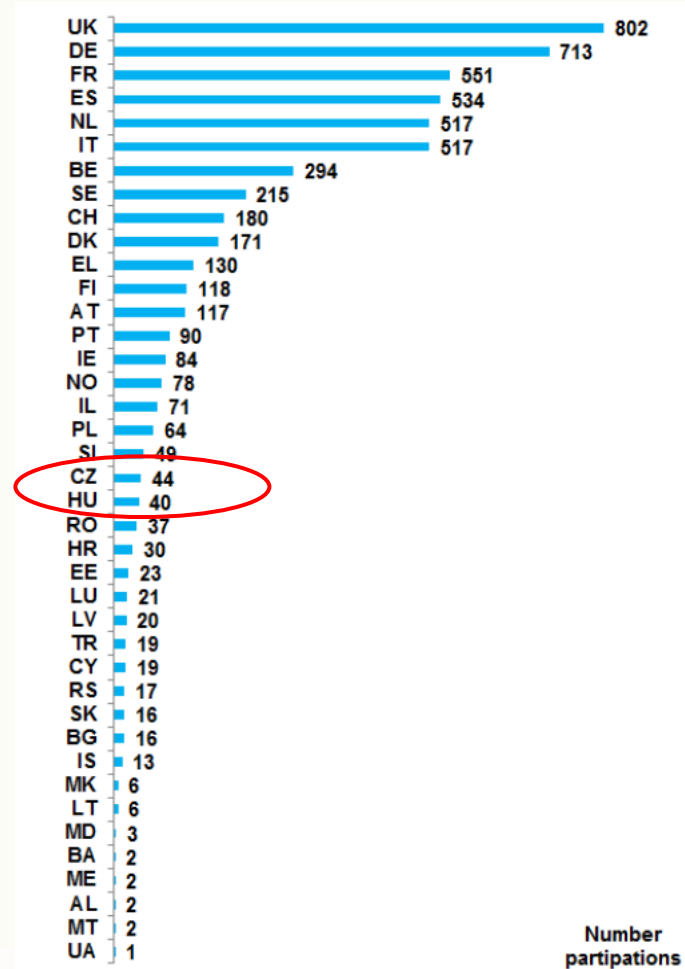
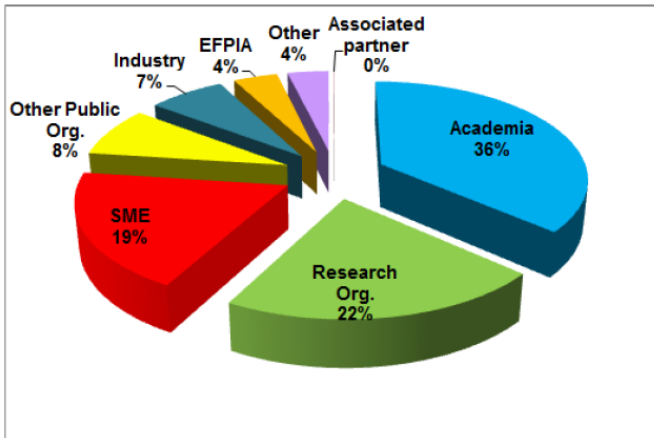
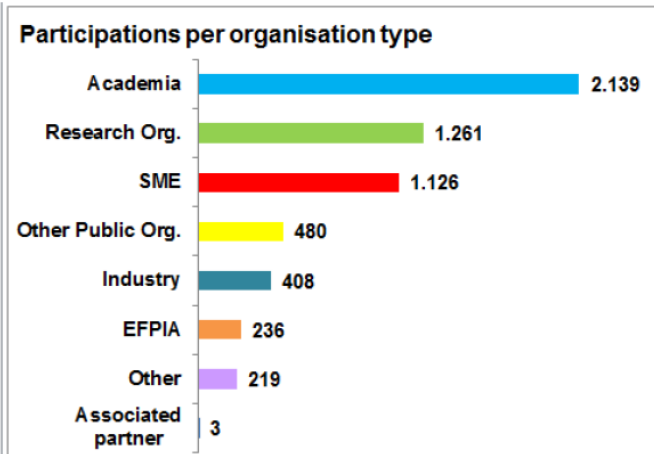


Where is health research in Horizon 2020?



Statistics

Funding per Member states and associated countries



Health collaborative research –7 priorities for 2018–2020

- **Challenges:**

- Rising health care cost
- Chronic diseases
- Ageing population
- External environmental factors
- Infectious diseases
- Inequalities and access



- **Priorities:**

- Personalized medicine
- Innovative health and care industry
- Infectious diseases and improving global health
- Innovative health, and care systems – Integration of care
- Decoding the role of the environment for health and well-being
- Digital transformation in Health and Care
- Trusted Big Data solutions and Cybersecurity for Health and Care



7 priorities implemented in SC1 WP 2018–2020 through 3 Calls for proposals

1: Call „Better Health and care, economic growth and sustainable health systems”: 32 topics

1.1 Personalized medicine

1.2 Innovative health and care industry

1.3 Infectious diseases and improving global health

1.4 Innovative health, and care systems – Integration of care

1.5 Decoding the role of the environment for health and well-being

2: Call „Digital transformation in Health and Care”: 13 topics

3: Call „Trusted digital solutions and Cybersecurity in Health and Care”: 3 topics



Participant portal



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

RESEARCH & INNOVATION
Participant Portal

European Commission

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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

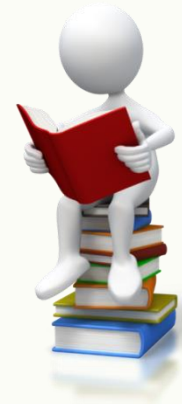
As a registered user, benefit from personalised services for proposal submission, negotiation, and project management.

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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- Call topics
- Documents:
- Work Programme 2018-2020
- 8. Health, demographic change and wellbeing
- 19. General Annexes
- Expert registration
- FAQs
- Rules for participation
- Upload project reports



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



Understanding the call topics: example

SC1-BHC-01-2019: Understanding causative mechanisms in co- and multimorbidities

Specific Challenge: The increasing number of individuals with co-and multimorbidities poses an urgent need to improve management of patients with multiple co-existing diseases. A better understanding of their causative mechanisms is needed to develop early diagnosis, efficient prevention and monitoring, and better treatments adapted to co- and multimorbid patients throughout their life course. Furthermore, there are many different etiological models of comorbid conditions (e.g., direct causation model or a consequence of treatment). In this context, capturing and measuring patient's complexity in the context of co- and multimorbidities is crucial for adequate management of these conditions and requires innovative approaches.

Scope: Proposals should identify and validate causative mechanisms (e.g. molecular, genetic, correlative, drug-drug interaction) combining mental and physical disorders through the integration of basic, pre-clinical and/or clinical research¹¹. Applicants should prove the relevance of the identified mechanisms for co-morbid development. Where pertinent, development of biomarkers and other technologies for diagnosis and monitoring of comorbid conditions in patients is encouraged. A purposeful exploitation of existing data, biobanks, registries and cohorts is expected¹², but does not exclude generation of new data. Sex and gender aspects, age, socio-economic, lifestyle and behavioural factors and any other non-health related individual attributes should be taken into consideration. SME participation is strongly encouraged.

The Commission considers that proposals requesting a contribution from the EU of between EUR 4 and 6 million would allow this specific challenge to be addressed appropriately. Nonetheless, this does not preclude submission and selection of proposals requesting other amounts.

Expected Impact:

- New directions for clinical research to improve prevention, diagnosis, prognosis, therapy development, and management of co- and multimorbidities.
- Whenever relevant identified biomarkers for more accurate and earlier diagnosis, prognosis as well as monitoring of patients' condition.

Type of Action: Research and Innovation action

'Specific challenge'

sets the context, the problem to be addressed, why intervention is necessary

'Scope'

delineates the problem, specifies the focus and the boundaries of the potential action BUT without describing specific approaches

'Expected impact'

describes the key elements of what is expected to be achieved in relation to the specific challenge

'Type of action'

Single-stage and two-stage calls



Type of actions



- **Research and Innovation action (RIA)**
- **Aim:** establish new knowledge and/or to explore the feasibility of a new or improved technology, product, process, service or solution.
- basic and applied research, technology development and integration, testing and validation on a small-scale prototype in a laboratory or simulated environment
- Funding rate: **100%**
- **Innovation action (IA)**
- **Aim:** producing plans and arrangements or designs for new, altered or improved products, processes or services.
- prototyping, testing, demonstrating, piloting, large-scale product validation and market replication
- Funding rate: **70%** (non-profit: **100%**)
- At least **three** legal entities. Each of the three must be established in a different EU Member State or Horizon 2020 associated country. +USA!!!(+UK)



Type of actions

- **ERA-NET Cofund**
- **Aim:** promoting the coordination of national programmes
- **Activity:** co-funded joint call for proposals + implement other joint activities
- For research funders!
- At least **three** legal entities. Each of the three must be established in a different EU Member State or Horizon 2020 associated country.
- Funding rate: **33%**
- **European Joint Programme (EJP) Cofund**
- **Aim:** to support coordinated national research and innovation programmes
- For research funders or governmental research organisations participating on the basis of their institutional funding
- At least **five** legal entities. Each of the three must be established in a different EU Member State or Horizon 2020 associated country.
- Funding rate: **70%**



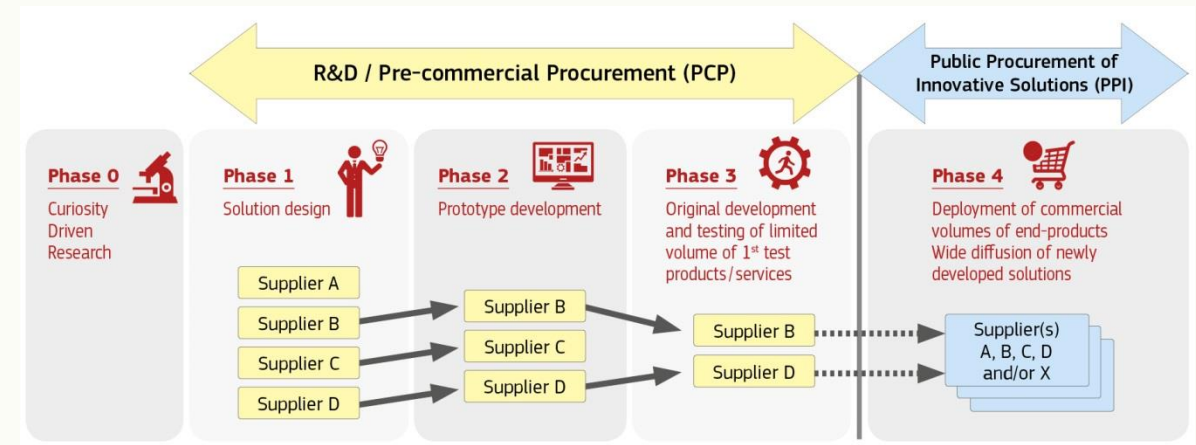
Type of actions

- **Coordination and support action (CSA)**
- **Activity:** standardisation, dissemination, awareness-raising and communication, networking, coordination or support services, policy dialogues and mutual learning exercises and studies, including design studies for new infrastructure and may also include complementary activities of strategic planning, networking and coordination between programmes in different countries
- At least **one** legal entity established in an EU Member State or Horizon 2020 associated country.
- Funding rate: **100%**
- **Prizes**
- **Aim:** rewards following the publication of a contest



Type of actions

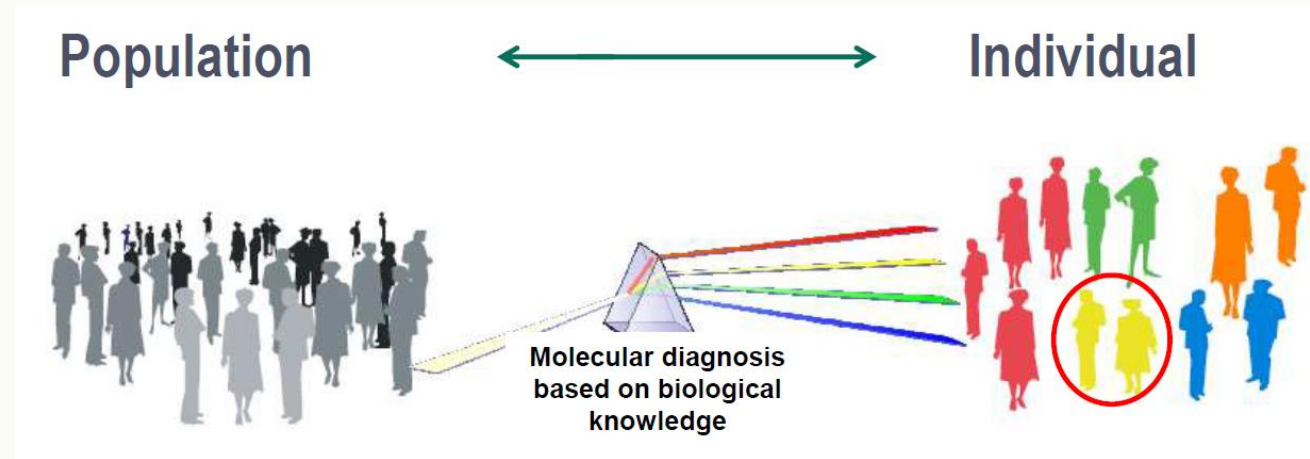
- **Pre-Commercial Procurement (PCP)**
- **Aim:** to steer the development of solutions towards concrete public sector needs, whilst comparing/validating alternative solution approaches from various vendors
- Funding rate: **90%**
- **Public procurement of innovative solutions (PPI)**
- **Aim:** to act as launching customer / early adopter / first buyer of innovative commercial end-solutions newly arriving on the market
- Funding rate: **35%**



Call „Better Health and care, economic growth and sustainable health systems”

Personalized medicine:

Aim: delivering personalised health and care to benefit patients and citizens



Focus: complex disorders, human microbiome, rare diseases and data sharing for enabling personalised medicine, economic models, reinforcing international and regional collaboration



Call „Better Health and care, economic growth and sustainable health systems”

- BHC-01-2019: Understanding causative mechanisms in co- and multimorbidities

Type: RIA	Budget: 70 million EUR	Budget/application: 4-6 million EUR	Deadline: 2018.10.02.
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- BHC-02-2019: Systems approaches for the discovery of combinatorial therapies for complex disorders

Type: RIA	Budget: 50 million EUR	Budget/application: 4-6 million EUR	Deadline: 2018.10.02.
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- BHC-03-2018: Exploiting research outcomes and application potential of the human microbiome for personalised prediction, prevention and treatment of disease

Type: RIA	Budget: 50 million EUR	Budget/application: 10-15 million EUR	Deadline: 2018.04.18.
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- BHC-05-2019: International flagship collaboration with Canada for human data storage, integration and sharing to enable personalised medicine approaches

Type: RIA	Budget: 40 million EUR	Budget/application: 4-6 million EUR	Deadline: 2018.04.18.
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Call „Better Health and care, economic growth and sustainable health systems”

- HCO-01-2018-2019-2020: Actions in support of the International Consortium for Personalised Medicine

Type: CSA

Budget: **8 million EUR**

Budget/application: **1.5-2 million EUR**

Deadline: **2018.04.18.**

- HCO-02-2018: Data integration and data-driven in-silico models for enabling personalised medicine- a European standardization framework

Type: CSA

Budget: **2 million EUR**

Budget/application: **1.5-2 million EUR**

Deadline: **2018.04.18.**

- BHC-04-2018: Rare Disease European Joint Programme Cofund

Type: EJP Cofund

Budget: **55 million EUR**

Budget/application: **50-55 million EUR**

Deadline: **2018.04.18.**

- HCO-04-2018: ERA-NET to support the Joint Programming in Neurodegenerative Diseases strategic plan (JPND)

Type: ERA-NET

Budget: **5 million EUR**

Budget/application: **4-5 million EUR**

Deadline: **2018.04.18.**



Call „Better Health and care, economic growth and sustainable health systems”

Innovative health and care industry:

Aim: turn innovative knowledge and technologies into practical applications benefiting citizens, healthcare systems and businesses

Focus: regenerative medicine, advanced therapeutics and regulatory science



Call „Better Health and care, economic growth and sustainable health systems”

- BHC-07-2019: Regenerative medicine: from new insights to new applications

Type: RIA	Budget: 50 million EUR	Budget/application: 6-8 million EUR	Deadline: 2019.04.16.
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- BHC-09-2018: Innovation platforms for advanced therapies of the future

Type: RIA	Budget: 54 million EUR	Budget/application: 12-15 million EUR	Deadline: 2018.04.18.
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- BHC-10-2019: Innovation Procurement: Next generation sequencing (NGS) for routine diagnosis

Type: PCP	Budget: 40 million EUR	Budget/application: 9-11 million EUR	Deadline: 2019.04.16.
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- HCO-05-2018: Strengthening regulatory sciences and supporting regulatory scientific advice

Type: CSA	Budget: 2 million EUR	Budget/application: 1.5-2 million EUR	Deadline: 2018.04.18.
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Call „Better Health and care, economic growth and sustainable health systems”

Infectious diseases and improving global health:

Aim: fighting **infectious diseases** and the growing threat of **antimicrobial resistance**; addressing the needs of the most vulnerable and the global increase in **chronic diseases**



Focus: **emerging infectious diseases**, poverty and **neglected diseases**, stratified **host –directed approaches** to communicable diseases, maternal and child health, global collaboration on **non-communicable diseases** (cohorts, brain research, hypertension, diabetes, cancer)



Call „Better Health and care, economic growth and sustainable health systems”

- BHC-13-2019: Mining big data for early detection of infectious disease threats driven by climate change and other factors

Type: RIA

Budget: **30 million EUR**

Budget/application: **12-15 million EUR**

Deadline: **2019.04.16.**

- BHC-14-2019: Stratified host-directed approaches to improve prevention, treatment and/or cure of infectious diseases

Type: RIA

Budget: **95 million EUR**

Budget/application: **6-10 million EUR**

Deadline: **2018.10.02.**

- BHC-16-2018: Global Alliance for Chronic Diseases (GACD) - Scaling-up of evidence-based health interventions at population level for the prevention and management of hypertension and/or diabetes

Type: RIA

Budget: **20 million EUR**

Budget/application: **2-4 million EUR**

Deadline: **2018.04.18.**

- BHC-18-2018: Translational collaborative cancer research between Europe and the Community of Latin American and Caribbean States (CELAC)

Type: RIA

Budget: **25 million EUR**

Budget/application: **2-4 million EUR**

Deadline: **2018.04.18.**



Call „Better Health and care, economic growth and sustainable health systems”

- BHC-19-2019: Implementation research for maternal and child health

Type: RIA

Budget: **25 million EUR**

Budget/application: **2-4 million EUR**

Deadline: **2018.10.02.**

- BHC-21-2018: Research on HIV, tuberculosis (TB) and/or hepatitis C (HCV) in patients with mono-, co-infections and/or comorbidities in the context of fostering collaboration with the Russian Federation

Type: RIA

Budget: **10 million EUR**

Budget/application: **2-3 million EUR**

Deadline: **2018.04.18.**

- HCO-06-2018: Establishment of an International Network of Social Sciences Research Centres to help address governance and other challenges in the preparedness for and the response to infectious threats

Type: CSA

Budget: **3 million EUR**

Budget/application: **2-3 million EUR**

Deadline: **2018.04.18.**

- HCO-08-2018: Creation of a European wide sustainable clinical research network for infectious diseases

Type: CSA

Budget: **3 million EUR**

Budget/application: **2-3 million EUR**

Deadline: **2018.04.18.**



Call „Better Health and care, economic growth and sustainable health systems”

- HCO-09-2018: Building international efforts on population and patient cohorts

Type: CSA

Budget: **2 million EUR**

Budget/application: **1-2 million EUR**

Deadline: **2018.04.18.**

- HCO-10-2018: Coordinating European brain research and developing global initiatives

Type: CSA

Budget: **2 million EUR**

Budget/application: **1-2 million EUR**

Deadline: **2018.04.18.**

- HCO-11-2018: Strategic collaboration in health research and innovation between EU and China

Type: CSA

Budget: **0.8-1 million EUR**

Budget/application: **1-2 million EUR**

Deadline: **2018.04.18.**

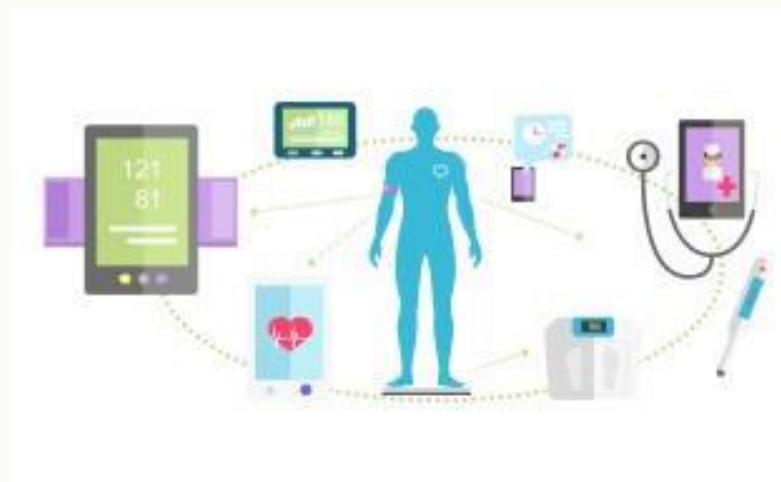


Call „Better Health and care, economic growth and sustainable health systems”

Innovative health and care systems - Integration of care

Aim: develop effective, accessible and sustainable health interventions and integrated care systems

Focus: mental health in the workplace,
novel approaches for palliative care,
implementation of personalised medicine, HTA,
innovation in health care



Call „Better Health and care, economic growth and sustainable health systems”

- BHC-22-2019: Mental health in the workplace

Type: RIA	Budget: 30 million EUR	Budget/application: 2-4 million EUR	Deadline: 2018.10.02.
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- BHC-23-2018: Novel patient-centred approaches for survivorship, palliation and/or end-of-life care

Type: RIA	Budget: 44 million EUR	Budget/application: 3-4 million EUR	Deadline: 2018.04.18.
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- BHC-25-2019: Demonstration pilots for implementation of personalised medicine in healthcare

Type: IA	Budget: 60 million EUR	Budget/application: 18-20 million EUR	Deadline: 2018.10.02.
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- BHC-26-2018: HTA research to support evidence-based healthcare

Type: RIA	Budget: 10 million EUR	Budget/application: 5-10 million EUR	Deadline: 2018.04.18.
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Call „Better Health and care, economic growth and sustainable health systems”

- HCO-12-2018: Innovation in healthcare - a CSA towards using pre-commercial procurement and public procurement of innovative solutions in healthcare systems

Type: **CSA**

Budget: **2 million EUR**

Budget/application: **1.5-2 million EUR**

Deadline: **2018.04.18.**



Call „Better Health and care, economic growth and sustainable health systems”

Decoding the role of the environment, including climate change, for health and well-being

Aim: improving the **risk assessment of environment on health** and well-being, and the related socio-economic impact and developing mitigation measures

Focus: **new testing/screening methods** to identify **endocrine disrupting chemicals**, the development of the **'human exposome'** (to allow the assessment of lifelong environmental influences on individuals) and to set the priorities for a new research agenda



Call „Better Health and care, economic growth and sustainable health systems”

- BHC-27-2018: New testing and screening methods to identify endocrine disrupting chemicals

Type: RIA

Budget: **52 million EUR**

Budget/application: **4-6 million EUR**

Deadline: **2018.04.18.**

- BHC-28-2019: The Human Exposome Project: a toolbox for assessing and addressing the impact of environment on health

Type: RIA

Budget: **50 million EUR**

Budget/application: **8-12 million EUR**

Deadline: **2019.04.16.**

- HCO-13-2018: Setting the priorities for a European environment, climate and health research agenda

Type: CSA

Budget: **3 million EUR**

Budget/application: **2-3 million EUR**

Deadline: **2018.04.18.**



Call „Digital transformation in Health and Care”

Aim:

- Better access to healthcare and **sustainability** of health and care systems
- to **empower the participation of citizens** and facilitate the transformation of health and care services to more digitised, person – centred and community – based care models
- **eHealth** and mHealth
- **ICT for Active and Healthy Ageing**



Focus: to maximise the potential of the digital economy in the health and care sectors



Call „Digital transformation in Health and Care”

- DTH-01-2019: Big data and Artificial Intelligence for monitoring health status and quality of life after the cancer treatment

Type: RIA

Budget: **35 million EUR**

Budget/application: **3-5 million EUR**

Deadline: **2019.04.24.**

- DTH-03-2018: Adaptive smart working and living environments supporting active and healthy ageing

Type: RIA

Budget: **25 million EUR**

Budget/application: **3-4 million EUR**

Deadline: **2018.04.24.**

- DTH-05-2019: Large scale implementation of digital innovation for health and care in an ageing society

Type: PPI

Budget: **10 million EUR**

Budget/application: **2-5 million EUR**

Deadline: **2019.04.24.**

- DTH-07-2018: Exploiting the full potential of in-silico medicine research for personalised diagnostics and therapies in cloud-based environments

Type: RIA

Budget: **35 million EUR**

Budget/application: **10-15 million EUR**

Deadline: **2018.04.24.**



Call „Digital transformation in Health and Care”

- DTH-08-2018: Prototyping a European interoperable Electronic Health Record (EHR) exchange

Type: RIA

Budget: **30 million EUR**

Budget/application: **6-10 million EUR**

Deadline: **2018.04.24.**

- DTH-09-2019: Scaling up the univocal Identification of Medicinal Products

Type: IA

Budget: **19 million EUR**

Budget/application: **5-8 million EUR**

Deadline: **2019.04.24.**

- DTH-10-2019-2020: Digital health and care services

Type: PCP

Budget: **22 million EUR**

Budget/application: **5-6 million EUR**

Deadline: **2018.11.14.**

- DTH-11-2019: Large Scale pilots of personalised & outcome based integrated care

Type: IA

Budget: **20 million EUR**

Budget/application: **4-6 million EUR**

Deadline: **2019.04.24.**



Call „Digital transformation in Health and Care”

- HCC-01-2018: Supporting investment in smart living environments for ageing well through certification

Type: CSA

Budget: **1 million EUR**

Budget/application: **1 million EUR**

Deadline: **2018.04.24.**

- HCC-02-2019: Support for the large scale uptake of open service platforms in the Active and Healthy Ageing domain

Type: CSA

Budget: **1.5 million EUR**

Budget/application: **1.5 million EUR**

Deadline: **2019.04.24.**

- HCC-03-2018: Support to further development of international cooperation in digital transformation of health and care

Type: CSA

Budget: **2 million EUR**

Budget/application: **2 million EUR**

Deadline: **2018.04.24.**

- HCC-04-2018: Digital health and care services – support for strategy and (early) adoption

Type: CSA

Budget: **3 million EUR**

Budget/application: **3 million EUR**

Deadline: **2018.04.24.**



Call „Digital transformation in Health and Care”

- SC1-HCC-05-2018: Support to a Digital Health and Care Innovation initiative in the context of Digital Single Market strategy

Type: **CSA**

Budget: **4 million EUR**

Budget/application: **1 million EUR**

Deadline: **2018.04.24.**



Call „Trusted digital solutions and Cybersecurity in Health and Care”

Aim:

- Multidisciplinary technologies and solutions in health and care with a focus on **cybersecurity**
- Secure and user-driven ICT-based solutions in **early risk detection and interventions**
- Aggregation of a variety of new and existing data sources

Focus:

- Digitising and transforming European industry and services
- Boosting the effectiveness of the Security Union



Call „Trusted digital solutions and Cybersecurity in Health and Care”:

- TDS-01-2019: Smart and healthy living at home

Type: IA

Budget: **30 million EUR**

Budget/application: **15-20 million EUR**

Deadline: **2018.11.14.**

- TDS-02-2018: Toolkit for assessing and reducing cyber risks in hospitals and care centres to protect privacy/data/infrastructures

Type: RIA

Budget: **30 million EUR**

Budget/application: **3-5 million EUR**

Deadline: **2018.04.24.**

- TDS-03-2018: Raising awareness and developing training schemes on cybersecurity in hospitals

Type: CSA

Budget: **30 million EUR**

Budget/application: **1 million EUR**

Deadline: **2018.04.24.**



Clinical studies

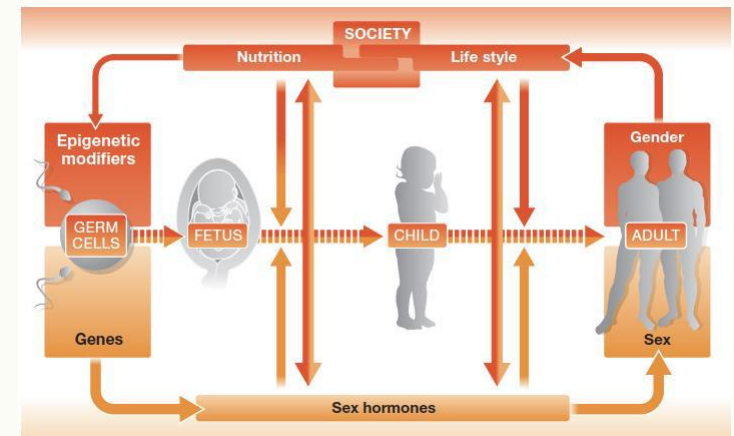
- can be funded (phase 0 to phase 4)
- „**Template** for essential information to be provided for proposals including clinical trials / studies / investigations” is mandatory (Providing structured information to experts for evaluation, detailed information about clinical studies without page limitation)
- **Unit costs** can be reimbursed
- **Mandatory deliverables**
- „Extensions of project duration can generally not be granted in H2020. Significantly delayed key study milestones (e.g. 'first patient/first visit') might lead to the termination of the grant agreement.”

http://ec.europa.eu/research/participants/data/ref/h2020/other/legal/templ/h2020_tmpl-clinical-studies_en.pdf



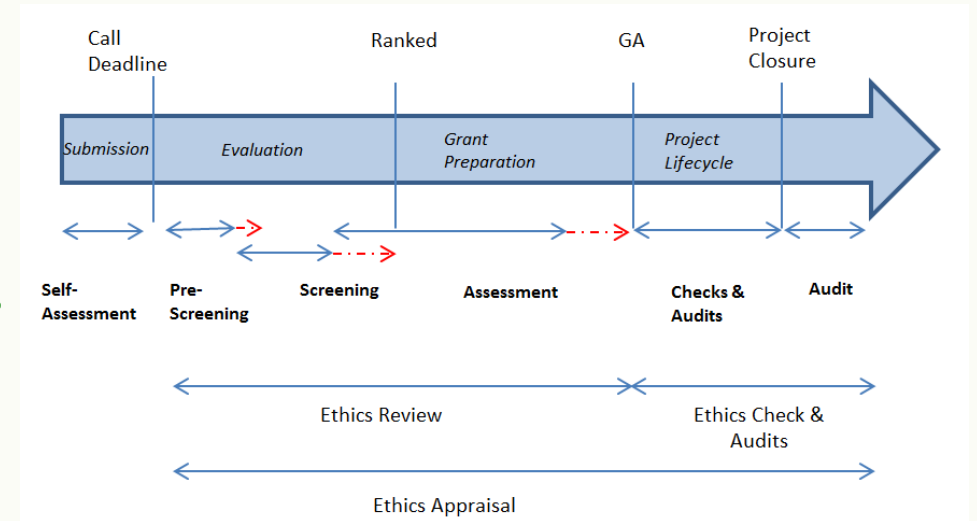
Cross cutting issues

- **Inclusion of Social Sciences and Humanities (SSH):**
- SSH disciplines: Sociology, psychology, anthropology, cultural studies, demography, education, religion, history, economics, administration, political science, philosophy, ethics, law
- Important that SSH scientists are **fully involved** in projects
- Help achieving **impact** through SSH
- **Gender:**
- Integrating the gender dimension in research content means taking into account the **biological characteristics** of both females and males (sex) and the **evolving social and cultural features** of women and men, girls and boys (gender)



Cross cutting issues

- **Ethics:**
 - **Ethics issues** to be carefully considered in proposals
 - Check on **EU guiding principles**
 - **Ethics evaluation** of all proposals included in priority lists
 - **Ethics requirements** to be implemented in funded projects
- **Communication:**
 - Start at the outset, continue through **entire lifetime**
 - Plan strategically
 - Identify and set clear communication objectives
 - **Target audiences** beyond own community
 - Use the right medium and means



Open Research Data Pilot (ORDP)

ORDP:

- Horizon 2020 grantees are required to: **deposit** underlying research data and other research data of their choice in a repository and take measures to grant **open access** to this research data
- **Type of data concerned:**
- Data **underlying scientific publications** (raw/individual patient data (IPD) not concerned)
- Additional data **defined and agreed by the consortium in the Data Management Plan (DMP)** (avoiding potential IP and confidentiality infringements)
- A **DMP** provides information on:
- **The data** the research will generate
- **How** to ensure its curation, preservation and sustainability
- **What parts of that data** will be open (and **how**)
- **'Opt-out' option** only for specific and well justified reasons



Partner search

Launch a partner request for a topic

An organisation representative (**LEAR/AA**) can launch a request for partners under a call topic for:

- an expertise request
- an expertise offer



Release in stages

Stage 1: organisation can launch a request for partners related to a call topic including details about the expertise sought or offered (**December 2017**)

Stage 2: individual can launch a request for partners related to a call topic including details about the expertise sought or offered (**July 2018**)



Stage 3: automatic matching of requests for partners with profiles (**December 2018**)





Partner search

EU Programmes 2014-2020

Search Topics

Updates  


Calls  

- H2020
- 3rd Health Programme
- Asylum, Migration and Integration Fund
- Consumer Programme
- COSME
- European Statistics Programme
- Hercule III Programme
- Internal Security Fund - Borders
- Internal Security Fund - Police
- Justice Programme
- Pilot Projects & Preparatory Actions
- Promotion of Agricultural Products
- Research Fund for Coal & Steel
- Rights, Equality and Citizenship Programme
- Union Civil Protection Mechanism

TOPIC : Adaptive smart working and living environments supporting active and healthy ageing

Topic identifier: SC1-DTH-03-2018
Publication date: 27 October 2017

Types of action: RIA Research and Innovation action
DeadlineModel: single-stage
Opening date: 07 November 2017
Deadline: 24 April 2018 17:00:00
Time Zone : (Brussels time)

 Horizon 2020
Pillar: Societal Challenges [H2020 website](#)
Work Programme Year: H2020-2018-2020
Work Programme Part: [Health, demographic change and wellbeing](#)
Call : H2020-SC1-DTH-2018-2020 [Call budget overview](#)

Topic Description [+ More](#)

Specific Challenge:
Demographic change and the ageing of the population create new heterogeneous challenges for age-friendly living, recreational and working environments such as a shrinking workforce and increasing

Topic conditions and documents [+ More](#)

1. Eligible countries: described in [Annex A](#) of the Work Programme.
A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon 2020 projects.

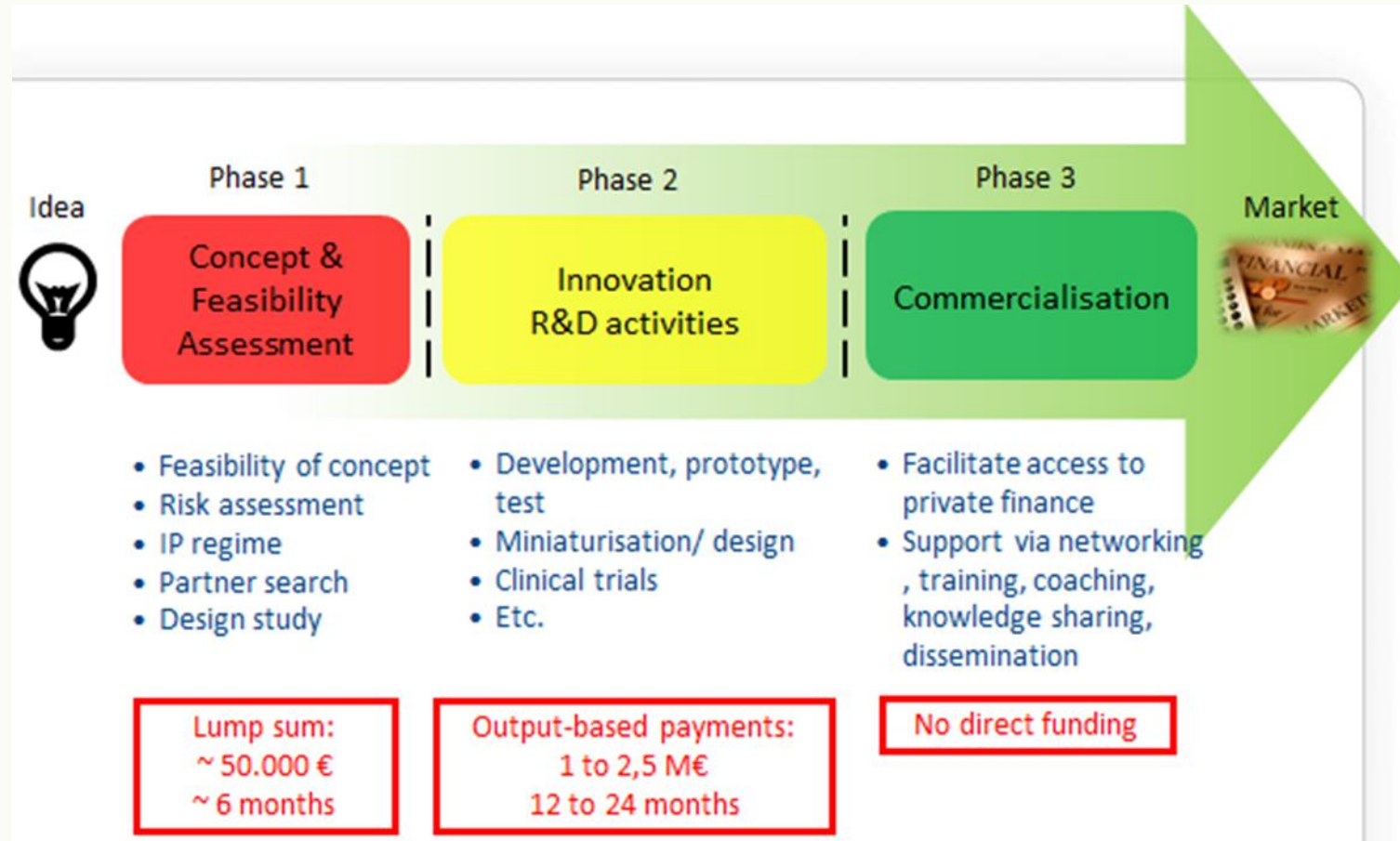
Partner Search

11 Organisations are looking for collaborating partners for this topic. [VIEW/EDIT PARTNER SEARCH](#)

LEARs, Account Administrators or self-registrants can publish partner requests for open and forthcoming topics after logging into the Participant Portal.



SME instrument



SME instrument

- No more thematically-driven topics
- No TRL-specifics for phase 1 project submissions
- Uniform EU funding rate: **70%** for all
- The submission forms speak business language now
- A larger pool of evaluators with technology and financial/commercial background
- The evaluation criteria stress potential for market-creating innovation
- Phase 2:
- Fully bottom-up: no predefined topics
- Threshold raised to **13**
- Interviews in second step phase 2
- All SMEs in these programmes: coaching, including on finance, and mentoring



EIC Horizon Prizes

European Innovation Council Horizon Prize:

- **Early Warning for Epidemics**
- Challenge: develop a scalable, reliable and cost-effective early warning system to forecast, monitor and ultimately prevent outbreaks of one or more vector-borne diseases
- **5 million EUR**
- Closure: **2020**



Active and Assisted Living (AAL)



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**

Call 2018: “Smart Solutions for Ageing well”

Hu partners: 500 000 € +

Deadline: 2018.05.28.

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



European & Developing Countries Clinical Trials Partnership 2 (EDCTP 2)

The **European & Developing Countries Clinical Trials Partnership (EDCTP)** is a public-public partnership between countries in Europe and sub-Saharan Africa, and the European Union.



Mission:

EDCTP aims to support collaborative research that accelerates the clinical development of new or improved interventions to prevent or treat HIV/AIDS, tuberculosis, malaria and neglected infectious diseases in sub-Saharan Africa.



European & Developing Countries Clinical Trials Partnership 2 (EDCTP 2)



EDCTP2 Participating States (PSs):

14 European Countries

Austria, Denmark, Finland, France, Germany, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden and UK

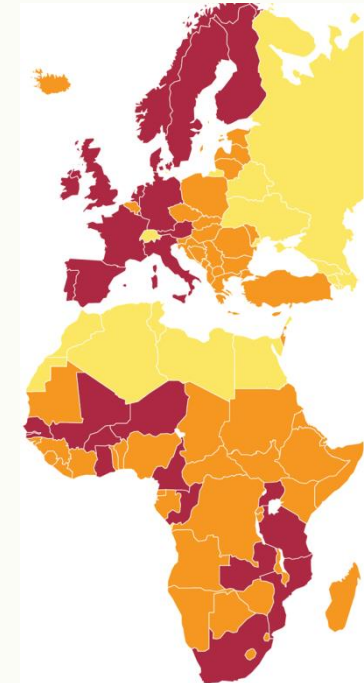
14 African Countries

Cameroon, Burkina Faso, Rep of Congo, Gabon, Ghana, Mali, Mozambique, Niger, Senegal, South Africa, Tanzania, Gambia, Uganda, Zambia

Countries that can receive funding:

- All sub-Saharan African countries
- All EU MSs and Associated Countries

Open call: Senior Fellowships program



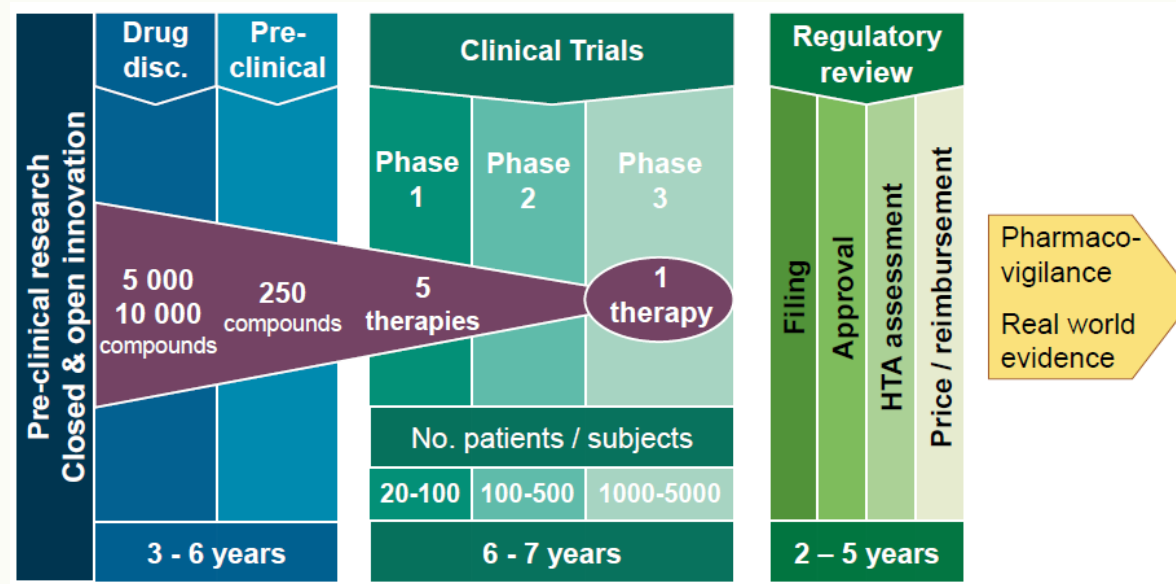
<http://www.edctp.org/>



Innovative Medicines Initiative 2 (IMI 2)



Public-Private Partnership between EU and EFPIA (European Federation of Pharmaceutical Industries and Associations)

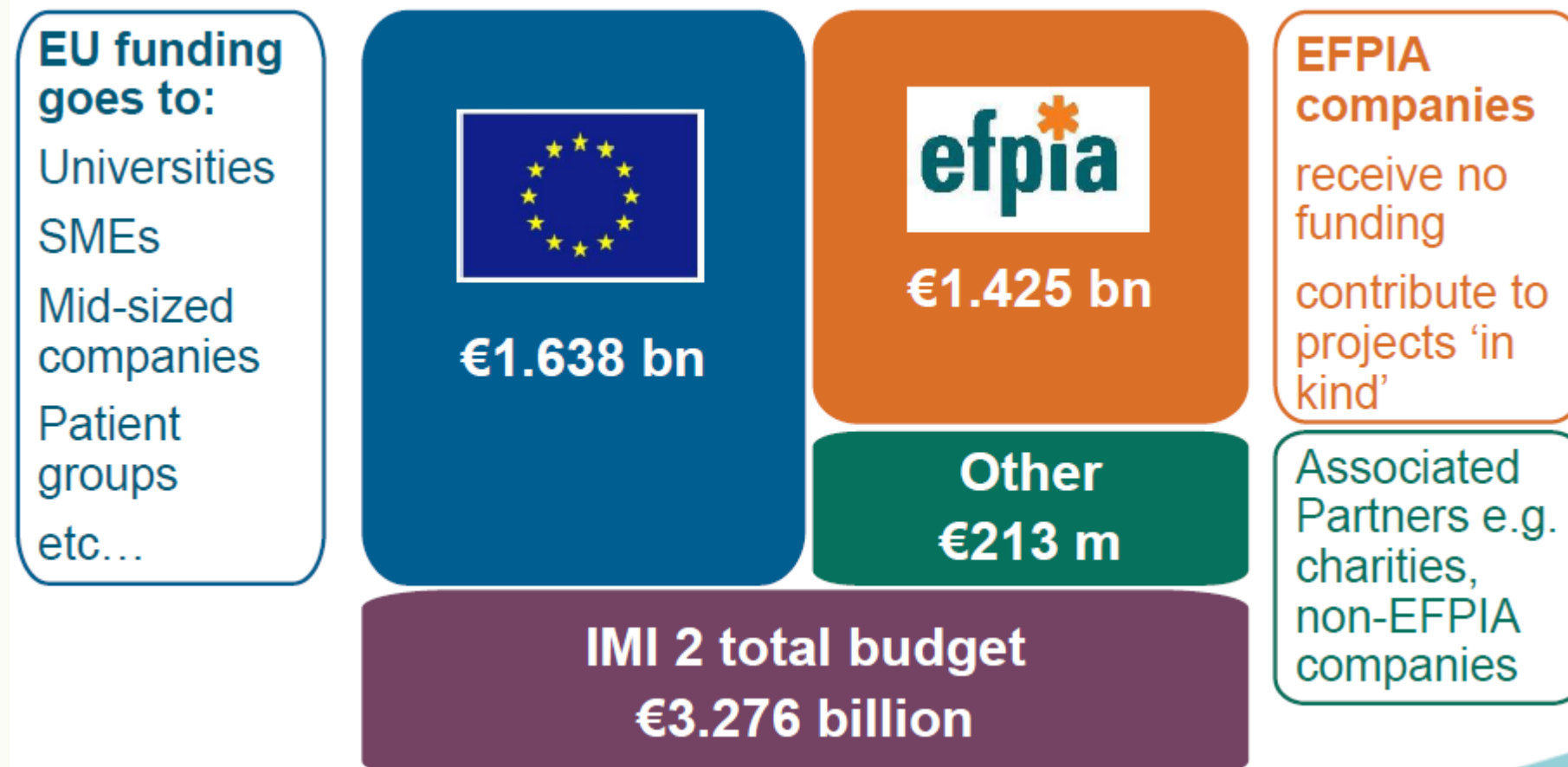


Goal:

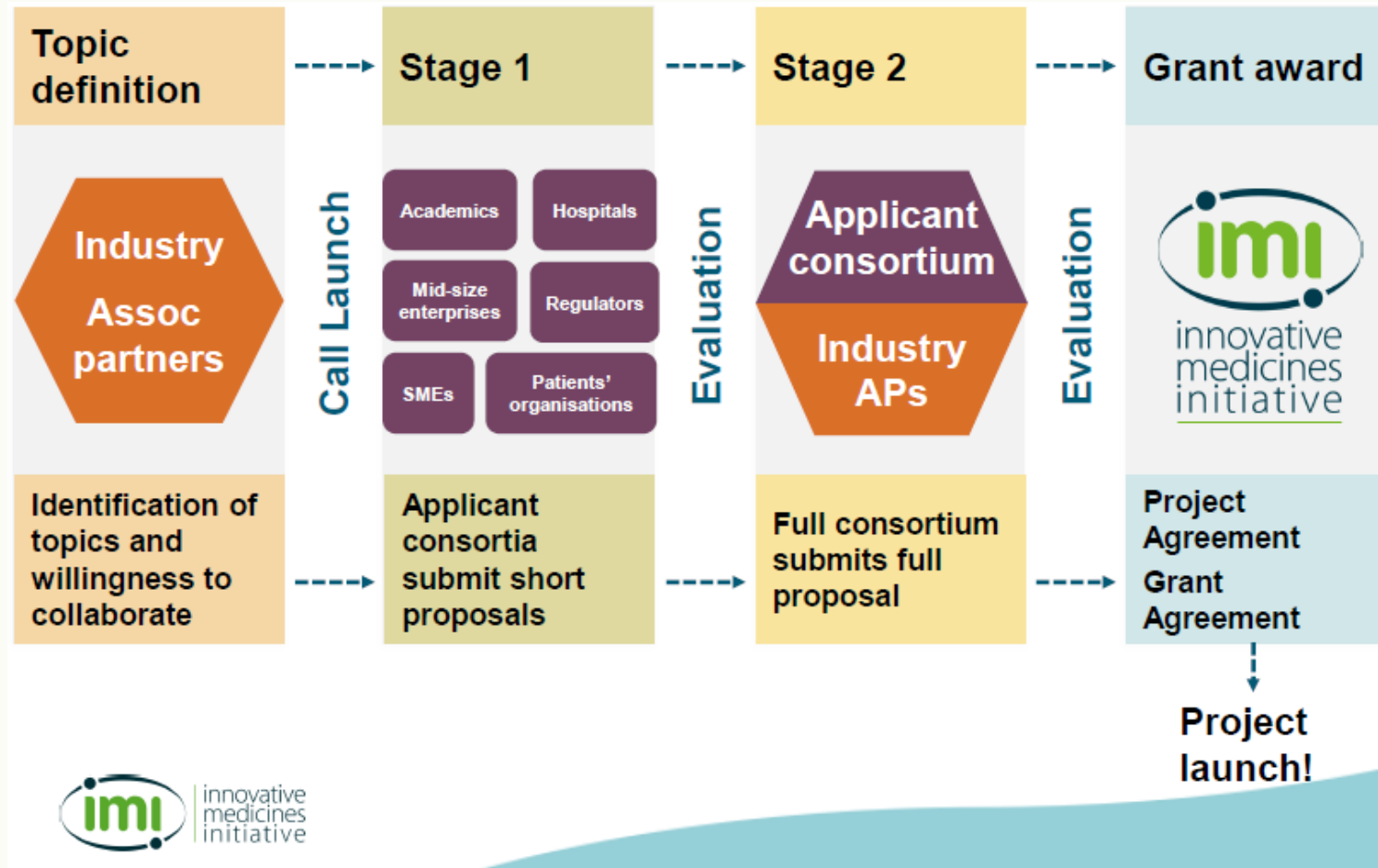
Provide faster access to better medicines through identifying promising drug candidates with greater certainty at an earlier stage.



Innovative Medicines Initiative 2 (IMI 2)



Innovative Medicines Initiative 2 (IMI 2)



Innovative Medicines Initiative 2 (IMI 2)



Call 13:

- Assessment of the uniqueness of **diabetic cardiomyopathy** relative to other forms of heart failure using unbiomarker mapping approaches
- Genome-Environment Interactions in **Inflammatory Skin Disease**
- The value of diagnostics to combat **antimicrobial resistance** by optimising antibiotic use
- Mitochondrial Dysfunction in **Neurodegeneration**
- Support and coordination action for the projects in the **neurodegeneration** area of the Innovative Medicines Initiative
- A sustainable European induced **pluripotent stem cell platform**
- Linking digital assessment of mobility to clinical endpoints to support regulatory acceptance and clinical practice
- **Human tumour microenvironment** immunoprofiling
- ConcePTION – Continuum of Evidence from **Pregnancy Exposures**, Reproductive Toxicology and Breastfeeding to Improve Outcomes Now
- Improving the preclinical prediction of **adverse effects** of pharmaceuticals on the **nervous system**
- Translational Safety Biomarker Pipeline (TransBioLine): Enabling development and implementation of **novel safety biomarkers** in clinical trials and diagnosis of disease
- Pilot programme on a Clinical Compound Bank for Repurposing: **Cardiovascular diseases and diabetes**
- Pilot programme on a Clinical Compound Bank for Repurposing: **Respiratory diseases**
- Pilot programme on a Clinical Compound Bank for Repurposing: **Neurodegenerative diseases**
- Pilot programme on a Clinical Compound Bank for Repurposing: **Rare/orphan diseases**



Innovative Medicines Initiative 2 (IMI 2)



Call 13: Deadline: **February 28.**

Future topics:

- Targeted **immune intervention** for treatment of non-response and remission
- Non-invasive clinical **molecular imaging** of immune cells
- Development of a platform for federated and privacy-preserving machine learning in support of drug discovery
- Centre of excellence – **remote decentralised clinical trials**

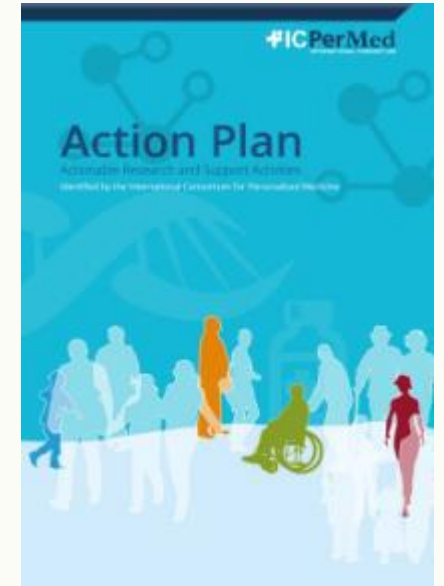
- More information: webinars

<http://www.imi.europa.eu/about-imi>



PerMed ERA-NET Cofund

- **IC PerMed:** International Consortium for Personalised Medicine
- Strategic Research and Innovation Agenda, ICPedMed Action Plan
- **Cofunded call:** Research projects on personalised medicine – smart combination of **preclinical and clinical research** with **data and ICT solutions**
- **Objectives:**
 - to support **translational research projects** in the field of Personalised Medicine
 - to encourage and enable **interdisciplinarity**, in combining pre-clinical and/or clinical research with computational components and;
 - to encourage **collaboration between academia** (research teams from universities, higher education institutions, public research performing institutions), **clinical/public health research** (research teams from hospital/ public health institutions, healthcare settings and other healthcare organisations) and **private partners** (e.g. SMEs).



PerMed ERA-NET Cofund

Research Area 1

Validation, pre-clinical and clinical biomedical research –“Translating Basic to Clinical Research and Beyond”.

Module 1A: Preclinical Research

Module 1B: Clinical Research



Research Area 2

Data analysis, management and protection, including ethical, legal and social implications –“Integrating Big Data and ICT Solutions”.

Module 2A: Data and ICT – Enabling Technology

Module 2B: Data and ICT - Towards application in health care

Conditions:

- min 3 max 7 partners
- Two-stage calls: deadline of first stage: **2018. April**
- Hungarian partners: **NEMZ_16 pályázati felhívás!**
- Total budget: **27 million EUR**
- HU budget: **335 000 EUR +**

http://www.icpermed.eu/media/content/ERA_PerMed_2018_pre-announcement_FV.pdf

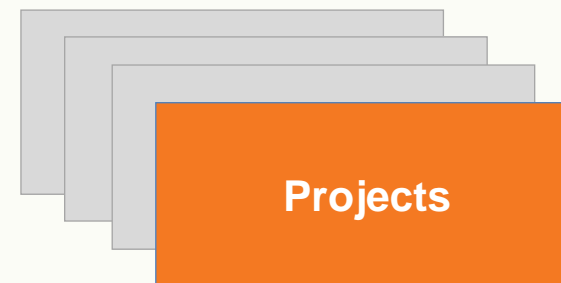
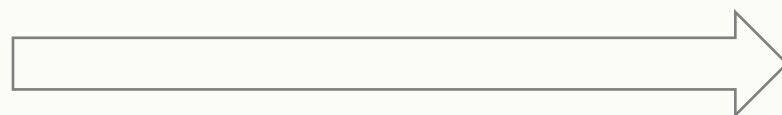


InnovFin Infectious Diseases

- A New Financial Instrument for Infectious Diseases R&D launched in 2015
- Jointly developed by the **European Commission** and **European Investment Bank**
- Broad range of products - standard debt instruments to risk sharing instruments with forgiveness options
- Provides loans between **7.5 million EUR** and **75 million EUR** to innovative players active in developing vaccines, drugs, medical and diagnostic devices, and research infrastructures for combatting infectious diseases



+



Useful links

Information:

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

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

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



Experts:

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

IPR:

http://ec.europa.eu/invest-in-research/pdf/ip_recommendation_en.pdf

Template for clinical studies:

https://ec.europa.eu/research/health/pdf/infoday_2015/template.pdf

Ethics self assessment:

http://ec.europa.eu/research/participants/portal4/doc/call/h2020/h2020-msca-if-2015/1645175-h2020_-_guidance_ethics_self_assess_en.pdf



Köszönöm a megtisztelő figyelmüket!

Dr. Horváth Klára

Nemzeti Kutatási, Fejlesztési és Innovációs Hivatal

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