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#InvestEUresearch

Horizon 2020 Work Programme for Research & Innovation 2018-2020

2019 topics

The societal challenge 'Health, demographic change and well-being'

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Health Info Day, Warsaw, 6 Sept 2018

Research and
Innovation

Research and innovation – a growing priority for the EU Horizon 2020 supports Commission priorities



- Jobs, growth & investment
- Digital single market
- EU – a stronger global actor



- Couple research to innovation
- Provide evidence-base for addressing societal challenges, supporting EU policies and better regulation
- Strengthen research capacities and innovation strategies across all Member States
- Multidisciplinary and synergies
- Address people's concerns

Health collaborative research – 7 priorities for 2018–2020



Personalised medicine



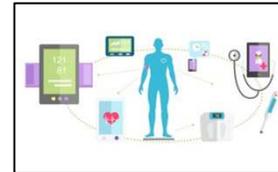
Decoding the role of the environment for health and well-being



Infectious diseases and improving global health



Innovative health and care industry



Innovative health, and care systems - Integration of care



Digital transformation in Health and Care



Trusted Big Data solutions and Cybersecurity for Health and Care

Priority 1

Priority 1 – Personalised medicine

- Personalised health and care solutions
- Improved health outcomes
- Chronic, rare and communicable diseases, including children, the ageing population and high-risk groups
- Understanding of the economic impact and the potential of personalised medicine to transform health systems

IMPACT: Improved health outcomes for the citizens

POLICY DRIVERS + SUPPORT FOR:

[Council conclusions on Personalised Medicine](#)

[International Consortium on Personalised Medicine](#)

[Commission communication on Digital Health and Care](#)

[European Reference Networks](#)



Personalised medicine definition

Personalised medicine refers to a medical model using characterisation of individuals' phenotypes and genotypes (e.g. molecular profiling, medical imaging, lifestyle data) for tailoring the right therapeutic strategy for the right person at the right time, and/or to determine the predisposition to disease and/or to deliver timely and targeted prevention.



BHC-01-2019: Understanding causative mechanisms in co- and multimorbidities combining mental and non-mental disorders

Scope

- Identify and validate the causative mechanisms in co- and multimorbidities combining mental and non-mental disorders
- Integrate fundamental, pre-clinical and/or clinical research*
- Maximise the use of available data, registries, cohorts and biobanks
- Include different etiological models of comorbid conditions: from disease(s), treatment(s), risk factor(s) - common or correlated, or any other pathways

Expected impact

- Elucidate the underlying pathophysiological mechanisms of co- and multimorbidities
- Enable new directions of clinical research to improve diagnosis, prevention, therapy and management of co- and multimorbidities
- Establish biomarkers for more accurate and earlier diagnosis as well as monitoring (where relevant)

Practical aspects

Research and Innovation Action, 70 M€ – 4-6 M€/proposal

* Clinical trials are excluded

BHC-02-2019: Systems approaches for the discovery of combinatorial therapies for complex disorders

Scope

- Proof-of-concept of combinatorial therapies tailored to the needs of individuals or stratified patient groups
- Focusing on marketed/approved therapeutic interventions or currently in late stages of development
- Integrate multidimensional and longitudinal patient data using systems approaches

Expected impact

- New concepts for combinatorial therapies for complex diseases
- Improved cost-effectiveness in comparison to established clinical practice with monotherapies
- Enable the development of personalised medicine

Practical aspects

Research and Innovation Action, 50 M€ – 4-6 M€/proposal

SC1-BHC-30-2019: Towards risk-based screening strategies for non-communicable diseases

Scope

- Develop new or refined, targeted population-based screening interventions aiming at identifying populations or groups at high risk of developing disease
- Stratification by health risk factors and determinants

Expected impact

- Established risk-based screening strategies, which have demonstrated to be effective, affordable, acceptable to the population, cost-effective and suitable for implementation.
- Demonstrated potential to improve health outcomes and equity across Europe.

Practical aspects

Research and Innovation Action, 40 M€ – 4-6 M€/proposal

SC1-BHC-31-2019: Pilot actions to build the foundations of a human cell atlas

Scope

- Demonstrate the utility of an interdisciplinary technological/biological platform to generate and integrate data sets
- Primary focus on healthy tissues, though comparison between healthy and diseased tissues possible
- Should provide detailed plans for quality management of tissue procurement and data in compliance with the relevant EU legislation.

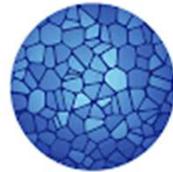
Expected impact

- Timely contribution of project results to the HCA
- Effective and sustainable biological and/or technological platforms.
- Competitive and sustainable European role in HCA
- Strong involvement of European technology SMEs
- Laying the groundwork for improving diagnosis and treatment of disease

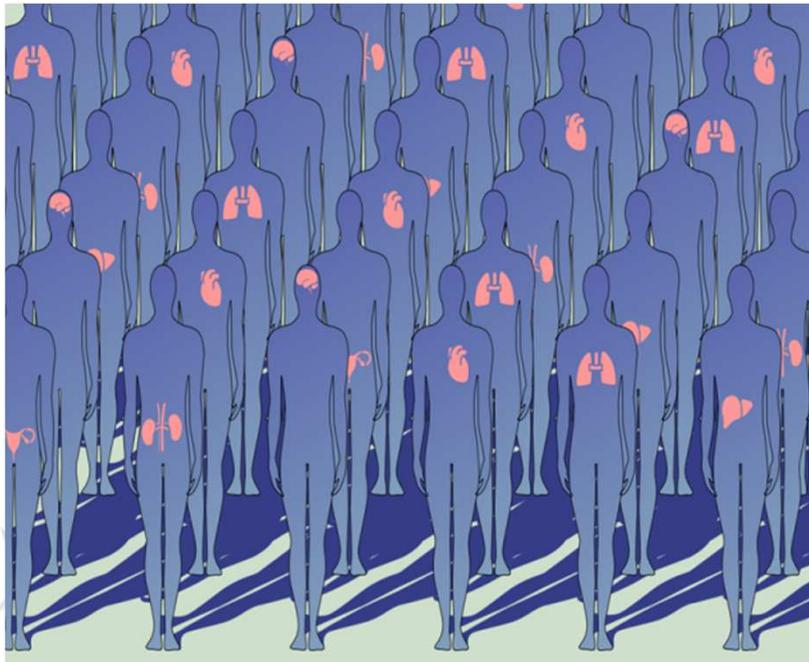
Practical aspects

- Research and Innovation Action, 15 M€ – 3-5 M€/proposal – Duration of 2 years
- Proposals supported under this topic must strictly adhere to the values, standards and practices of the HCA
- Commission will ensure an overall coordination mechanism between the projects
- Proposals are expected to budget for the attendance of co-ordinators to regular meetings





**HUMAN
CELL
ATLAS**

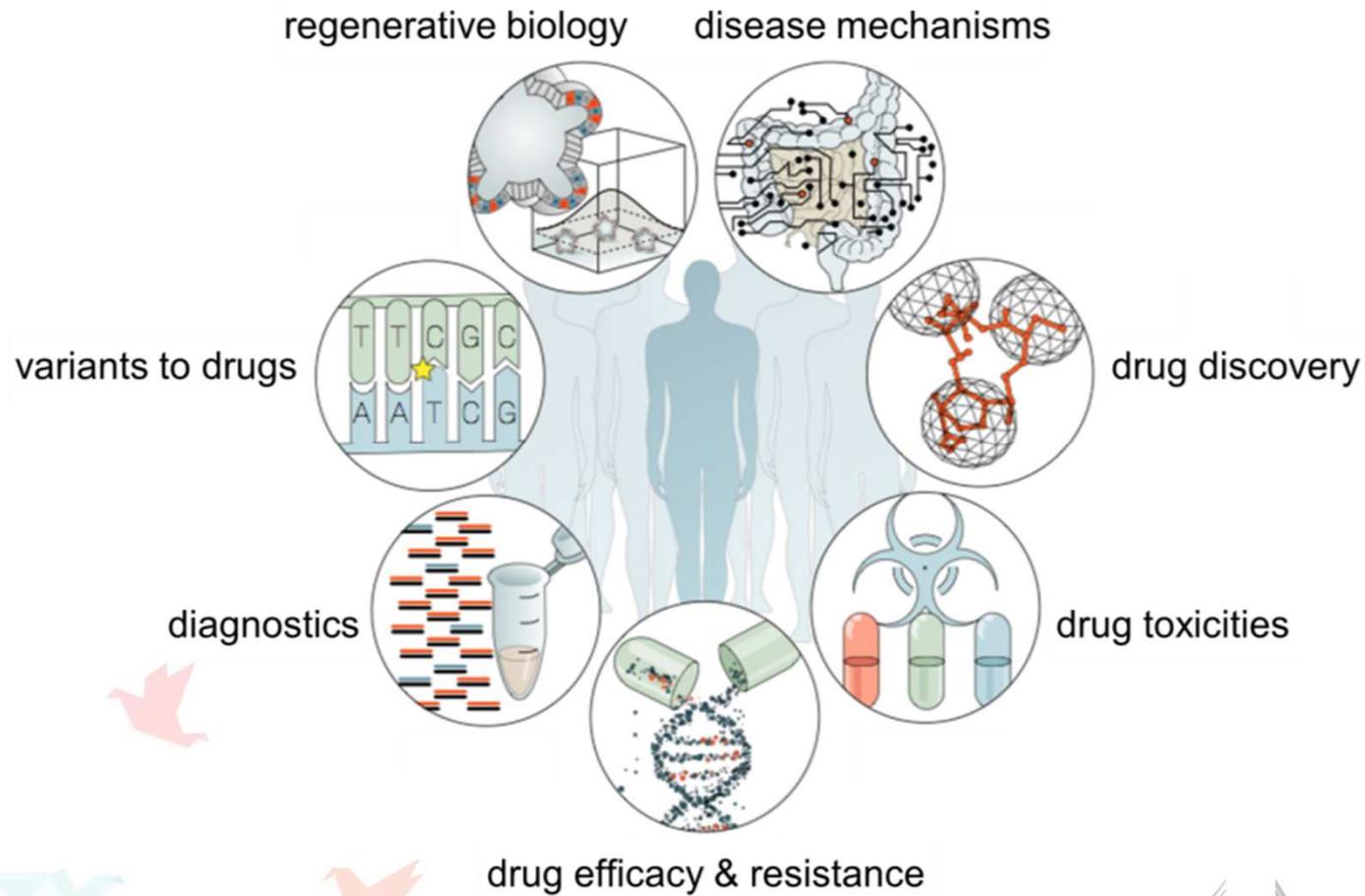


To create comprehensive reference maps of all human cells—the fundamental units of life—as a basis for both understanding human health and diagnosing, monitoring, and treating disease.



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Applications



Activities that could be supported

Biological networks

- **Biobanks-tissue acquisition**
- **Data generation for sub-atlases**
- **Organoids and iPS cells**

Technical Forum

- **Technology development**
- **Benchmark**
- **training;**

Data Coordination

- **Software development**
- **Support data portals**
- **Data storage**
- **Computational resources**

Data Analysis

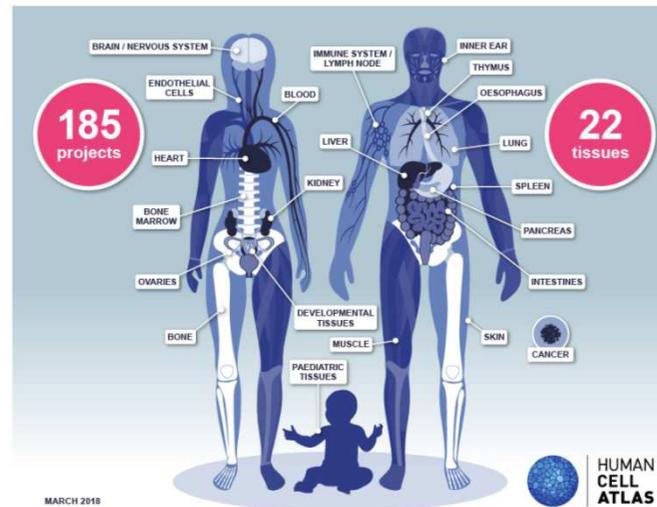
- **Computational methods development**
- **Software dissemination**
- **Method comparison, testing, and training;**

HCA shared Values

- Transparency and open data sharing
- Quality
- Flexibility
- Community
- Diversity, inclusion and equity
- Privacy and ethics
- Technological innovation and excellence
- Computational innovation and excellence



no longer a concept.....



- 185 potential HCA projects registered (status March 2018)
- Data coordination platform launch 2nd of April 2018
- Subatlas creation: lung, tumours, placenta (10-50k cells)



H2020 REGISTER OF INTEREST

Please enter the user name and password to access this page.

To contact us, please email: ECH2020@humancellatlas.org

We also have a [Slack](#) channel for discussions within the HCA EC H2020 community. Please visit [this link](#) to join up.

USER NAME

PASSWORD

> SUBMIT



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

Scope

Support the implementation of the IC PerMed Action Plan including actions such as:

- Support the building of PM networks with third countries (for the 2019 call: China).
- Develop new clinical trial designs for PM that facilitate the approval by regulatory and reimbursement authorities.

Expected impact

Support the implementation of the IC PerMed goals. Strengthen links between EU and China for personalised medicine healthcare approaches

Practical aspects

Coordination and support action, 4 M€ – 1.5-2 M€/proposal



Priority 2

Priority 2 – Innovative health and care industry

- Turning innovative knowledge and technologies into practical applications benefiting citizens, healthcare systems and businesses
- Innovative diagnostics and therapeutics, including advanced therapies
- Clear exploitation potential and socioeconomic benefits for patients and sustainable health systems
- Complementarity with the SME instrument, the Fast Track to Innovation and the Innovative Medicines Initiative (IMI).

IMPACT: To stimulate the healthcare industry

POLICY DRIVERS + SUPPORT FOR:

Upgrading the single market



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

Scope

- Translational research to develop regenerative processes towards the ultimate clinical goal of addressing an unmet clinical need of public health importance
- Not including devices or pharmaceuticals alone
- Focus on any stage or stages of the innovation chain from early testing of regenerative mechanisms to pre-clinical research, proof of concept to first-in-man trial

Expected impact

- Establish the basis of potential new regenerative therapies
- Strengthen Europe's position in translational regenerative medicine
- Address unmet needs of public health importance

Practical aspects

Research and Innovation Action, 50 M€ – 6-8 M€/proposal

SC1-BHC-10-2019: Innovation Procurement: Next generation sequencing (NGS) for routine diagnosis

Scope

- Promote the implementation of NGS tests in routine diagnostics for personalised medicine, from a technical, clinical, organisational and/or economic point of view.
- Develop and implement NGS standards and quality assurance schemes.
- Develop tools and methods for data collection, management, analysis and interpretation of NGS results.

Expected impact

Strengthen the implementation of personalised medicine and thus contribute to more effective healthcare systems.

Practical aspects

Pre-commercial procurement, 30 M€ – 9-11 M€/proposal

Priority 3

Priority 3 – Infectious diseases and improving global health

- Infectious diseases and the health of vulnerable groups
- 'One Health' approach
- Antimicrobial resistance, emerging and re-emerging infectious diseases and poverty-related and neglected diseases
- Maternal and newborn health, global collaboration on non-communicable diseases and on brain research

IMPACT: To prevent, detect and treat of priority diseases worldwide

POLICY DRIVERS + SUPPORT FOR:

GLPID-R
Global Research
Collaboration for
Infectious Disease
Preparedness



European One Health
Action Plan against
Antimicrobial Resistance


EDCTP
European &
Developing
Countries Clinical
Trials Partnership

 **World Health Organization**
Global Action Plan
on antimicrobial
resistance

 **GACD**
GLOBAL ALLIANCE FOR CHRONIC DISEASES
AN ALLIANCE OF HEALTH RESEARCH FUNDERS
Global Alliance for
Chronic Diseases



SC1-BHC-13-2019: Mining big data for early detection of infectious disease threats driven by climate change and other factors

Scope

- Develop the technology to enable the pooling, access, analysis and sharing of relevant data including next generation sequencing
- Provide innovative bio-informatics and modelling technologies that enable risk modelling and mapping
- Create analytical tools for early warning, risk assessment and monitoring of (re-) emerging infectious disease threats

Expected impact

Strengthening EU preparedness against (re-)emerging infectious diseases threats enabling the digital transformation of health and care while underpinning the European One Health action plan against antimicrobial resistance and contributing to achieving Sustainable Development Goals

Practical aspects

Research and innovation action, 30 M€ – 12-15 M€/proposal



SC1-BHC-14-2019: Stratified host-directed approaches to improve prevention, treatment and/or cure of infectious diseases

Scope

- To test emerging concepts in drug and/or vaccine development to address the problem of antimicrobial drug resistance to optimize therapeutic, curative or preventive measures against infectious diseases.
- Utilization of knowledge on host factors, immune-modulators or host-pathogen interaction + use of cohorts and stratification of patients.
- Late pre-clinical and/or early clinical research to support proof-of-concept.

Expected impact

- Enrich the product development pipelines with novel, potentially more effective, targeted treatments, cures and/or preventive measures for IDs
- Contribute to the EU impact towards the Sustainable Development Goal 3.
- Contribute to the implementation of the European One Health Action Plan against Antimicrobial Resistance

Practical aspects

Research and innovation action, 95 M€ – 6-10 million EUR/proposal

SC1-BHC-19-2019: Implementation research for maternal and child health

Scope

- Implementation research that focus on first 1000 days of life (from conception to 2 years of age) to cover:
 - New health service delivery interventions (including introduction of new approved technologies), and/or scaling-up and/or uptake of existing interventions in new contexts
 - Integrating care: e.g. valuing interdependent relationship of mother & child, communicable and non-communicable diseases (e.g. diabetes), prevention & treatment, physical & mental health
- Consider contexts, equity, end-users
- Specific attention for collection of quality data
- Pre-clinical and clinical studies for product development: out of scope

Expected impact

- Evidence for policy: Guidance for ensuring routine quality care for pregnant women, neonates and children up to 2y of age
- EU Contribution towards the Sustainable Development Goals 2, 3, 5 and 10

Practical aspects

Research and innovation action, 25 M€ – 2-4 M€/proposal



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SC1-BHC-32-2019: Towards a next generation influenza vaccine to protect citizens worldwide – an EU-India collaboration

Scope

- Pre-clinical and/or early clinical research supporting proof of concept for next-generation flu vaccine(s).
- Candidate(s) should be suitable to different populations and to LMICs.
- Work should be included on human challenge model.

Expected impact

- Further the development of a flu vaccine effective against more strains and/or effective at the outset of a pandemic.
- Utilisation and/or improvement of human challenge influenza model.
- Reduction of burden of flu outbreaks, especially in Europe and India.
- India-specific impacts, to boost national initiatives by developing affordable biopharmaceuticals.

Practical aspects

- Research and innovation action, 15 M€ – 6-10 M€/proposal
- Minimum 3 participants from India – see <http://www.dbtindia.nic.in/funding-mechanism/call/#>



SC1-HCO-15-2019: Support for the functioning of the Global Research Collaboration for Infectious Disease Preparedness (GloPID-R)

Scope

- Administrative and organisational support to GloPID-R.
- Will include meeting organisation, information dissemination, communication (internal and external), support to Industry Stakeholder Group, Scientific Advisory Group, and Chairs of GloPID-R.
- Technical support on more specific issues.

Expected impact

- Effective operation of the network for at least 3 years.
- Reinforced international cooperation in funding of research in new and emerging infectious diseases.
- Improvements during outbreaks in areas such as data sharing, social science, clinical trial networks and others.
- Improved communication of GloPID-R activities.

Practical aspects

- Coordination and support action, 1M€ – Around 1 M€/proposal



Priority 4

Priority 4 – Innovative health and care systems – Integration of care

- Personalised medicine, management of chronic diseases and health promotion
- Effective, accessible and sustainable health interventions and integrated care systems
- Development of Health technology assessment methods
- Development of sustainable and resilient health systems

IMPACT: better evidence for the development of more sustainable and resilient health systems, resulting in increased access to quality care for everyone and better health promotion.

POLICY DRIVERS + SUPPORT FOR:

[Upgrading the single market](#)

[Cross-border healthcare Directive](#)



BHC-22-2019: Mental health in the workplace

Scope

To develop effective interventions to promote mental health in the workplace and assess them for health outcomes and cost-effectiveness. Co-morbidities in mental and physical health should be addressed. Stigma, as well as social, cultural and gender aspects and ethics should be addressed where relevant.

Expected impact

- Broadened evidence base of effective interventions to promote mental health in the workplace, improved basis for policy making.
- Improved mental health and reduced sickness absence in the EU working population
- Positive impact on productivity and economic results of workplaces by improved policies and action to promote mental health

Practical aspects

Research and Innovation Action, 30 M€ – 2-4 M€/proposal

BHC-25-2019: Demonstration pilots for implementation of personalised medicine in healthcare

Scope

- Demonstrate the benefit for patients as well as implementability and economic viability of personalised medicine in real life healthcare.
- Develop prediction, prevention or treatment solutions for diseases with high burden for society.
- Coordinate with national, regional or local authorities and help link different institutions (e.g. hospitals, public health authorities, payers, etc.).

Expected impact

- Evidence for personalised medicine as a new way of care organisation.
- Demonstration of the feasibility and the viability of personalised medicine in real-life settings and at a large scale.

Practical aspects

Innovation Action, 60 M€ – 18-20 M€/proposal

Priority 5

Priority 5 – Decoding the role of the environment, including climate change, for health and well-being

Assessment of the impact of environment on health and well-being, and the related socio-economic impacts

- New testing and screening methods to identify endocrine disrupting chemicals
- The 'human exposome' – the impact of life-long environmental influences
- A European environment and health research agenda

IMPACT: Improved risk assessment and mitigation measures, health and well-being as a driver for changes required to achieve a sustainable society

POLICY DRIVERS + SUPPORT FOR:

	Sustainable Development Goals
	UNEA Ministerial Declaration & Resolution on Environment and Health
	The UNFCCC Paris Agreement
	WHO Environment and Health Process (since 1989)
	The 7th Environment Action Programme (EAP)
	EU policies and regulations: Chemicals, (e.g. REACH Plant Protection Biocides), air/water quality, noise, occupational health

The definition of the exposome

“The Exposome (Chris Wild, IARC): The totality of environmental exposure an individual is subjected to from conception to death...”

Health and disease are influenced by the genome and the exposome, including lifestyle factors.



'Genetics loads the gun but environment pulls the trigger'

Dr Francis Collins, NIH Director

The complexity of exposures

What type of Stressor?

Physical, Chemical, Biological, Psycho-social

Which Source?

Air, Water, Soil, Food, Consumer Products, Drugs

Where?

Home, School, Work, Neighborhood, City, Region



What type of effect?

Organs, Tissues, Biological pathways, Adverse pathways

When?

Fetal, Child, Adolescent, Adult, Elderly

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

Scope

- Agnostic or targeted approaches to identify and assess environmental risk factors
- Target a long standing policy/regulatory need -> proposals for preventive actions
- Use new technologies to collect, combine and analyse large data sets of environmental exposures and health impacts
- Connections with industry for sensors, omics, biomarkers

Expected Impact

- Innovation in environmental health sciences, in particular for exposure assessments and data management
- Enable researchers and policy makers to continuously include new knowledge in the policy making processes by using the toolbox to generate data and information
- Better predict disease risk by acquisition of new knowledge on the influence of external exposures on biological pathways at different life-stages

Practical aspects

- Research and Innovation action, 50M€ - 8-12M€/proposal
- Open data pilot
- International collaboration welcomed!
- **Consortium agreement between successful proposals**



Under FP7: the Exposome cluster



- ❖ Total budget: €38M, EU contribution: € 29M
- ❖ 13 EU countries (DE, DK, EL, ES, FI, FR, IT, LT, NL, PL, PT, SI, UK)+ CH+ NO+ USA

HEALS: Health and environment-wide associations based on large population surveys, 2013-2018

EXPOSOMICS: Enhanced exposure assessment and omic profiling for priority environmental exposures in Europe, 2012-2017

HELIX: The early-life exposome, novel tools for integrating early-life environmental exposures and child health across Europe, 2013-2017

- ❖ First proof of principle (HELIX and EXPOSOMICS)
- ❖ Scientific progress
- ❖ Created enthusiasm worldwide (references in PubMed↑ ↑ ↑) and a new community
- ❖ Enhanced awareness of exposure science
- ❖ EU leadership (would this have happened without EU support?)

Under Horizon 2020



Lifecourse biological pathways underlying social differences in healthy ageing, 2015-2019

Early-life stressors and LifeCycle health, 2017-2021



Priority 6

CALL – Digital transformation in Health and Care

- 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 Health Ageing

IMPACT: To maximise the potential of the digital economy in the health and care sectors

POLICY DRIVERS + SUPPORT FOR:



Connected Digital
Single Market



European Cloud
Initiative



European Free Flow
of Data initiative



Silver Economy
initiative



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

Scope

how to better acquire, manage, share, model, process and exploit big data to effectively monitor health status of individual patients, provide overall actionable insights at the point of care and improve quality of life after the cancer treatment.

Expected impact

- Mapping comprehensive big data in a reachable and manageable way (for sharing and reusability); Creating a network of knowledge by linking heterogeneous data sources;
- Data driven analytics/simulation methods for forecasts of trajectories
- Better and faster means of high quality response to prevent or timely address development of new medical conditions and/or improve the quality of life; Improved patient counselling.
- Providing the evidence base for the development of policy strategies;
- Improving quality of life after cancer treatment, strengthening personal confidence and enhancing employability.

Research and Innovation action, 35 M€ - 3-5M€/proposal



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

Scope

- Contribute to the Scaling-Up Strategy of the European Innovation Partnership on Active and Healthy Ageing and Reference Sites;
- Target large-scale deployment of digital health and care solutions across different regions in Europe
- Specify, purchase and deploy ICT based solutions for active and healthy ageing in the health and care field
- Engage public and/or private procurers that have responsibilities and budget control in the relevant area of care or supply of services;

Expected impact

- Growing awareness on the successful use of public procurement to boost ICT innovation applied to active and healthy ageing, ultimately benefiting the growing ageing population across Europe;
- Contribution with data and experiences to addressing potential barriers (regulatory and other) to procurement of innovative solutions for active and healthy ageing.
- Support forward-looking, concerted public-sector investment strategies
- ...

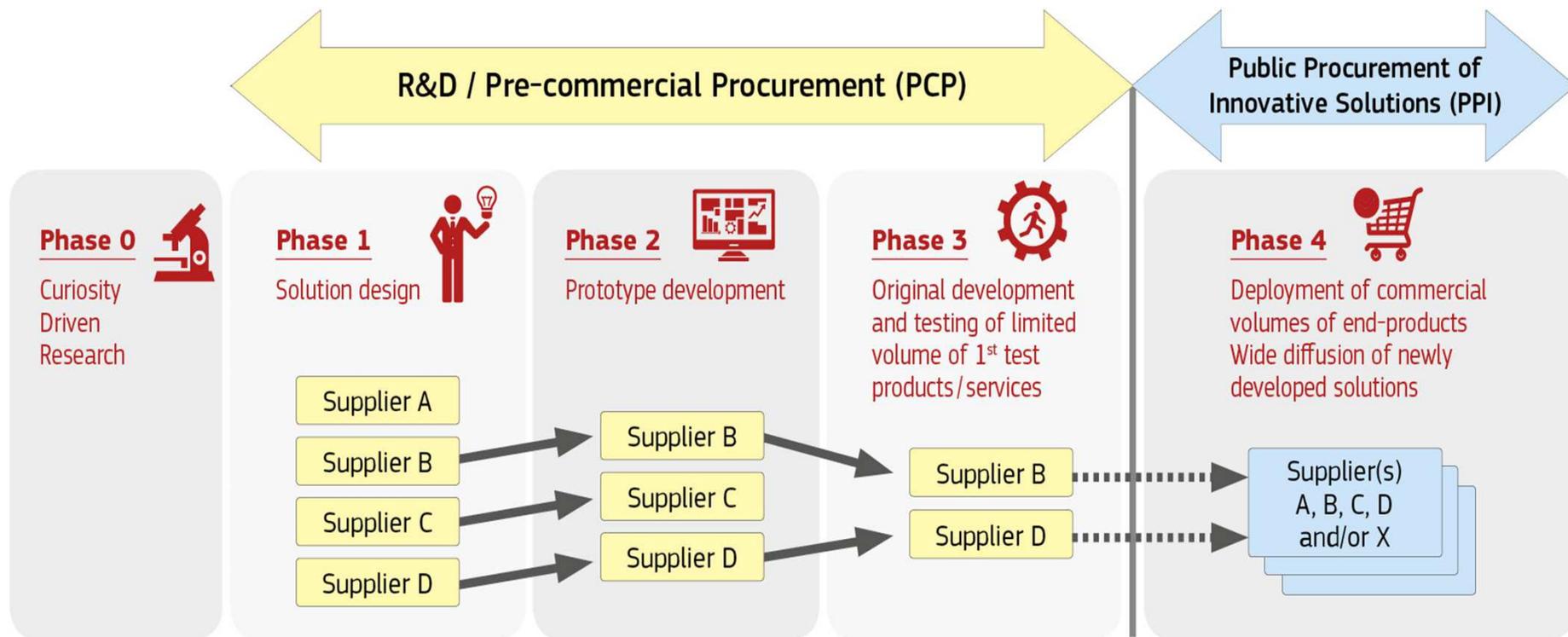
Public Procurement of Innovative solutions, 10 M€ - 2-5M€/proposal



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Innovation Procurement: PCP + PPI Complementarity

- **PCP** to steer the development of solutions towards concrete public sector needs, whilst comparing/validating alternative solution approaches from various vendors
- **PPI** to act as launching customer / early adopter / first buyer of innovative commercial end-solutions newly arriving on the market



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

Scope

- Foster the use and dissemination of the IDMP standards set to support the cross-border mobility of European patients by offering safer eDispensations across borders
- Support the standards implementation in national sources (and its possible linkage to a central EMA database) to allow the identification of locally available equivalent medicinal products and ensuring EU SPOR data can be safely used by the ePrescription/eDispensing systems
- Support integration with existing cross-border ePrescription services

Expected impact

- Improved quality of care resulting in enhanced patient safety; Extend the healthcare service provision continuum across borders for patients
- Better address adverse events/effects and safety issues by enhanced development of standard vocabulary
- Better health data access across Europe for patients and healthcare providers

Innovation action, 19 M€ – 5-8 M€/proposal



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

Scope

- Support the health and care service provider to procure the development and testing of digital services and processes that can facilitate the transition to integrated care models across health and social services and country-specific cross-institutional set-ups, including decentralised procurement environments.
- Address key challenges like patient empowerment, self-management and safety, chronic disease management, diagnosing, hospital logistics, skills and independent living by applicable ICT domains e.g., telemedicine, mHealth, IoT, shared open source IT-based platforms,
- Early adoption and demonstration of the potential for scaling-up

Expected impact

- Established path to innovation, improved user and market engagement, strengthened procurement community, evidence of healthy innovation ecosystem, ...
- Increased opportunities for solution uptake across wider international procurement markets by aiming at interoperable solutions across Europe

Pre-Commercial Procurement, 22 M€ – 5-6 M€/proposal



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

Scope

- Large-scale pilots for deployment of trusted and personalised digital solutions dealing with Integrated Care
- Ensuring secure and efficient sharing and processing of all data and information involved in the supply chain
- Flexibility and replicability of service delivery patterns to combine personalization and large scale adoption of services
- Improvement of quality of life for patients and also of working conditions of all health care and social care providers
- Efficiency gains in terms of resource utilization and coordination of care

Expected impact

- Progress towards a common vision of technical prerequisites and framework to ensure users trust with regard to health and social data and information in IT supported environment
- Contribute to an evidence-based minimum data set (clerical and clinical) on key points of integrated care pathway
- Harmonisation, certification, approval labelling ,reliable identification of adequate solutions, replicable business models for IT

Innovation action, 20 M€ – 4-6 M€/proposal

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

Scope

- Analyse the use of open service platforms (OP) in the AHA domain, covering both open platforms and partly-open/proprietary platforms developed by industry, and also interactions between platforms
- Study the use of OPs by collecting and processing data from running and recently ended projects –including EU- and initiatives that use the referred platforms, with special focus on UniversAAL and Fiware
- Develop and implement a methodology that monitors OP development, adoption and spread across Europe with relevant KPI's, factors that support or hinder the uptake of open platforms in Europe

Impact

- Identification of the critical success factors of OP development, deployment, and spread;
- Evidence for the socioeconomic benefit of open service platforms;
- Engagement of required stakeholders to ensure data reliability
- Increased knowledge on the differences and synergies between open platforms regarding features and their interoperability on different levels (data / information / applications / services)

Coordination and support action, 1,5 M€ - Up to 1,5 M€/proposal



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Priority 7

CALL – Trusted digital solutions and Cybersecurity in Health and Care

- 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 AREAS:

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

POLICY DRIVERS + SUPPORT FOR:



Connected Digital
Single Market



Big Data in
healthcare



European Data
Protection Regulation



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

Scope

Pilots to build on open platforms, standardised ontologies, APIs and results from IoT-based smart living environments, service robotics and smart wearable & portable systems;

- Intelligent and personalised solutions for sustaining and extending healthy and independent living support to older individuals at risk of temporary or permanently reduced functionality and capabilities

OR

- Personalised early risk detection and intervention Innovative solutions for prevention and treatments based on early risk detection for people facing increased health and social risks

Expected impact

- European-led platforms for smart and healthy and independent living at home;
- Improved quality of life and health status for involved users and carers, with demonstrated added-value of underlying technologies

Innovation action, 60 M€ – 15-20 M€/proposal (SC1-ICT-LEIT)



Call deadlines

Better Health and care, economic growth and sustainable health systems

BHC + HCO call topics

1st stage call deadline: 2 October 2018

Single-stage and 2nd stage deadline: 16 April 2019



Call deadlines

Digital transformation in Health and Care

Trusted digital solutions and Cybersecurity in Health and Care

DTH and HCC call topics

Calls open: 16 October 2018

Calls close: 24 April 2019

Exceptions

DTH-10-2019 (PCP)

Call TDS

Calls open: 26 July 2018

Calls close: 14 November 2018



Participant portal – one-stop shop

- Call topics
- NCPs
- Expert registration
- Documents
- Project officers' list for questions
- FAQs
- Rules for participation
- Upload project reports

The screenshot shows the 'RESEARCH & INNOVATION Participant Portal' website. The header includes the European Commission logo and navigation links: HOME, FUNDING OPPORTUNITIES, HOW TO PARTICIPATE, EXPERTS, SUPPORT, a search bar, and LOGIN/REGISTER buttons. The main content area features a 'Horizon 2020 Funding' banner starting from 1/1/2014. Below the banner, it states: 'On this site you can find and secure **funding** for projects under the following EU programmes:'. It lists three main categories: 2014-2020 Horizon 2020, 2007-2013 7th research framework programme (FP7) and Competitiveness & Innovation Programme (CIP), and 3rd Health Programme, Asylum, Migration and Integration Fund, Consumer Programme, COSME, Internal Security Fund Borders, Internal Security Fund Police, Justice Programme, Promotion of Agricultural Products Programme, Rights, Equality and Citizenship Programme and Research Fund for Coal & Steel. It also lists services for 'Non-registered users' (search for funding, read the H2020 Online Manual, check registration status, contact support) and 'Registered users' (submit proposal, sign grant, manage project lifecycle, register as expert).

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

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

Participation of UK entities

- until the UK leaves the EU, EU law continues to apply to and within the UK, when it comes to rights and obligations; this includes the eligibility of UK legal entities to fully participate and receive funding in Horizon 2020 actions
- eligibility criteria must be complied with for the entire duration of the grant
- **if the United Kingdom withdraws from the EU during the grant** period without concluding an agreement with the EU ensuring in particular that British applicants continue to be eligible, they will cease to be eligible to receive EU funding (while continuing, where possible, to participate) or be required to leave the project on the basis of Article 50 of the grant agreement

Do's and don'ts

- Start early.
- Ensure the eligibility conditions are met.
- Read and understand the call topic (scope AND impact).
- Respond to the call topic, be ready to adapt when necessary.
- Ensure you are in scope and can deliver the requested impacts.
- Read and understand the evaluation rules.
- Know the state-of-the-art and explain how you will go beyond.
- Be clear about your objectives and how you plan to achieve them.
- Be ambitious yet realistic. Convince the evaluators you can deliver.
- Plan for efficient management including progress monitoring.
- Think of data management.
- Think of risk management.
- Involve partners in preparation, avoid surprises later.
- Write your proposal in a clear and understandable manner.
- Explain why you need EU funds for your R&I.
- Stay within page limits.
- Ask your peers for critical reading and feedback.
- Don't delay submission until the very last moment.
- ...

Only the adopted Work Programme has legal value.

Thank you!

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