

ICT and eHealth in HORIZON 2020

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HORIZON 2020: structure



HORIZON 2020





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HORIZON 2020 in connection with

Strategic Initiatives



HORIZON 2020



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FIRST WORK PROGRAMME OF

SOCIETAL CHALLENGE 1

HEALTH, DEMOGRAPHIC CHANGE AND WELLBEING

2014 – 2015

Better health for all

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Topics for that call fall into 7 areas of interest:

‘Prevention’

‘Diagnosis’

‘Delivering
integrated,
sustainable and
citizen
centered care’

‘Understanding
health’

‘Improved health
information and data
exploitation’

‘Advancing active
and healthy
ageing’



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AREAS

1. Understanding health, ageing and disease
 2. Effective health promotion, disease prevention, preparedness and screening
 3. Improving diagnosis
 4. Innovative treatments and technologies
 5. Advancing active and healthy ageing
 6. Integrated, sustainable, citizen-centred care
 7. Improving health information, data exploitation and providing an evidence base for health policies and regulation
- Co-ordination activities – 10 topics
 - Other activities

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5/Advancing Active and Healthy Ageing - ICT

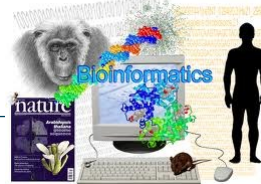
- **PHC 19 – 2014: Advancing active and healthy ageing with ICT: Service robotics within assisted living environments**
- **PHC 20 – 2014: Advancing active and healthy ageing with ICT: ICT solutions for independent living with cognitive impairment**
- **PHC 21 – 2015: Advancing active and healthy ageing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



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

- **PHC 31 – 2015: Digital representation of health data to improve disease diagnosis and treatment**
- **PHC 32 – 2014: Foresight for health policy development and regulation**
- **PHC 33 – 2014: Advancing bioinformatics to meet biomedical and clinical needs**
- **PHC 34 – 2015: New approaches to improve predictive human safety testing**
- **PHC 35 – 2014: eHealth interoperability**
- **PHC 36 – 2015: Inducement prize – topic TBD**



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Co-ordination activities



- **HCO 1 – 2014: Innovation Partnership: Support for the European Innovation Partnership on Active and Healthy Ageing (AHA)**
- **Scope:** The aim is to provide coordinated support to the activities of the European Innovation Partnership on Active and Healthy Ageing concerning the following aspects:
- **Support the existing action groups in implementing their action plans.** The support may relate for example to coordination of action group activities, communication among partners and dissemination of results;
- **Work together with the European Commission,** with relevant legislative and standardisation initiatives and with national, regional and local authorities in developing recommendations for more favourable regulatory and standardisation conditions, **innovative procurement and incentive mechanisms.**

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• **HCO 2 – 2014: Joint Programming: Coordination Action for the Joint Programming Initiative (JPI) "More Years, Better Lives - the Challenges and Opportunities of Demographic Change,"**

• **Scope**

- The action will ensure the coordination of exchange on national programmes on demographic change as well as facilitate the effective governance of the JPI. It will also monitor national research activities in the area and provide support for the implementation of the Strategic Research Agenda of the JPI MYBL in particular through;
- Coordination and organisation of potential joint calls;
- Alignment of national research programmes and activities to the JPI's Strategic Research Agenda;
- Integration and enhanced accessibility of national data related to active and healthy ageing, demographics, and statistics, to support evidence-based policy making and effective cross-policy actions; common usage of databases and infrastructures where appropriate;

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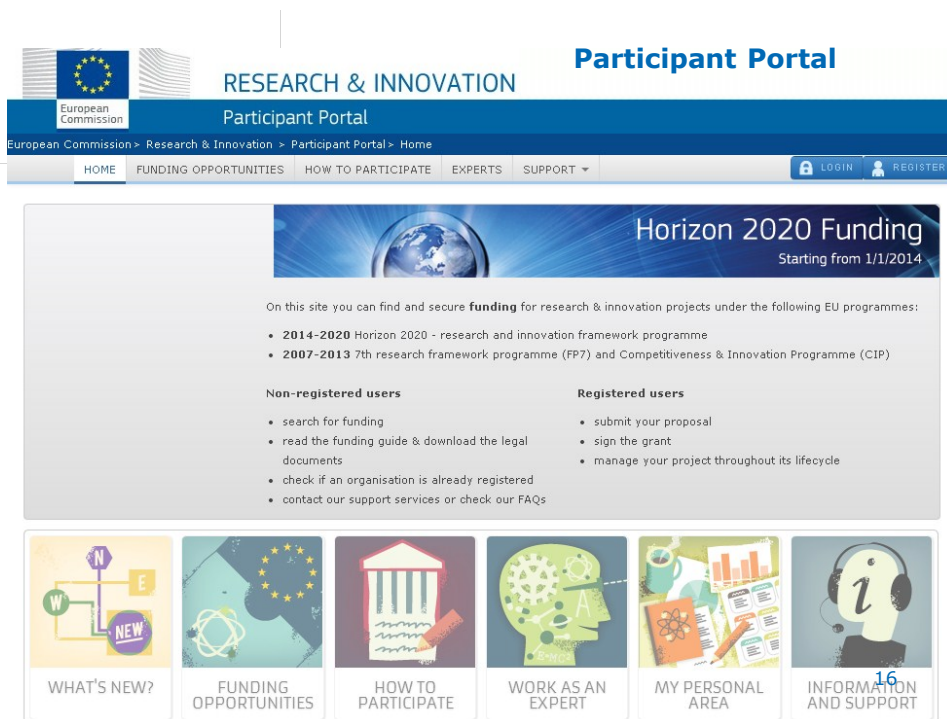
Co-ordination activities

• **HCO 3 – 2015: Support for the European Reference Networks: Efficient network modelling and validation**



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- **HCO 5 – 2014: Global Alliance for Chronic Diseases: prevention and treatment of type 2 diabetes**
- **HCO 6 – 2015: Global Alliance for Chronic Diseases: subject to be confirmed**

The screenshot shows the top part of the Horizon 2020 Participant Portal. At the top left is the European Commission logo. The main header reads "RESEARCH & INNOVATION Participant Portal". Below this is a navigation bar with links: HOME, FUNDING OPPORTUNITIES, HOW TO PARTICIPATE, EXPERTS, SUPPORT, LOGIN, and REGISTER. A prominent banner for "Horizon 2020 Funding" is displayed, stating "Starting from 1/1/2014". Below the banner, text explains that users can find and secure funding for research and innovation projects under EU programmes: 2014-2020 Horizon 2020 and 2007-2013 FP7 and CIP. The page is divided into sections for "Non-registered users" and "Registered users".

Non-registered users

- search for funding
- read the funding guide & download the legal documents
- check if an organisation is already registered
- contact our support services or check our FAQs

Registered users

- submit your proposal
- sign the grant
- manage your project throughout its lifecycle

At the bottom, there is a row of six icons representing different portal features: WHAT'S NEW?, FUNDING OPPORTUNITIES, HOW TO PARTICIPATE, WORK AS AN EXPERT, MY PERSONAL AREA, and INFORMATION AND SUPPORT.



BREAKDOWN OF PROPOSALS PER TOPIC

Number of Proposals	Topic Number	Topic
359	PHC-01	Understanding health, ageing and disease: factors and pathways
120	PHC-05	Health promotion and disease prevention: tailored and stratified approaches
84	PHC-06	Evaluating existing screening and prevention strategies
462	PHC-10	Development of new diagnostic tools and technologies: devices, assays and platforms
296	PHC-13	New therapies for chronic non-communicable diseases
136	PHC-17	Comparing the effectiveness of existing health care interventions for the elderly
108	PHC-23	Developing and comparing new models for prevention oriented health and care systems



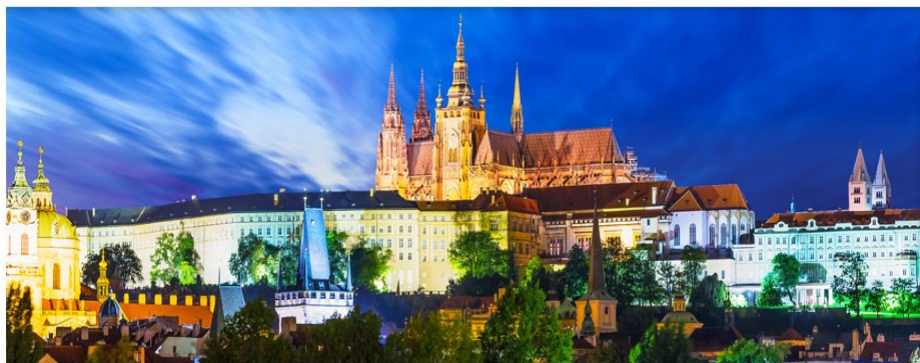
http://ec.europa.eu/research/horizon2020/index_en.cfm



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UPCP2014
Up Close and Personalized
3. mezinárodní kongres personalizované
medicíny
26.-29. červen 2014, Praha, Česká
republika



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List of Topics

- Diabetes, Obesity and Cancer
- Genetics, Epigenetics and Nutrigenetics in the Pathophysiology of Diseases
- Pharmacogenetics Metabolomics and Proteomics
- Informatics – Data Mining, Artificial Intelligence, Decision Support System
- Personalized Diagnostics Platforms
- Personalized Medicine: From Theory to Practice
- Targeted Therapy – Diabetes, Obesity CVD and Cancer
- **Imaging**
- Health Policy

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**You are welcome to participate
still time to register and submit your
abstract**

•<http://2014.upcp.org/>

- Judita Kinkorová
- Ondřej Topolčan
- Local and scientific organizing committee

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Horizont 2020 otevírá možnost široké mezinárodní spolupráce

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