



AGÊNCIA NACIONAL
DE INOVAÇÃO



HEALTH TOPICS FOR 2020

PATRÍCIA CALADO



HEALTH, DEMOGRAPHIC CHANGE AND WELL-BEING

Health collaborative research

7 priorities for 2018-2020



Personalised medicine



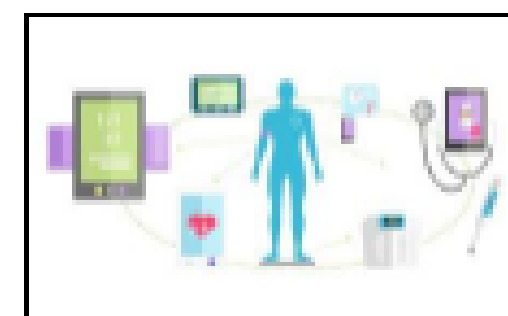
Decoding the role of the environment for health and well-being



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



685 M€



BUT PLEASE READ THE WORK PROGRAMME!





STRATEGIC PRIORITIES, OBJECTIVES, POLICY DRIVERS

RELEVANT BACKGROUND

[2030 Agenda for Sustainable Development and its Sustainable Development Goals](#)

[COP211](#)

[Ostrava declaration on environment and health](#)

[Digital Single Market](#)

[European One Health Action Plan against Antimicrobial Resistance](#)

[Cross-border healthcare directive](#) (and its support to the European Reference Networks)

[Commission Communication on upgrading the single market](#)

[Council Conclusions on Personalised Medicine](#) and on [Pharmaceuticals](#)



FUNDING SCHEMES

RIA

Research and Innovation Action (RIA)

100% direct costs | Indirect costs: 25% direct costs

Fundamental and applied research; Development and integration of technology; Testing and small prototype validation, in laboratory or relevant environment

IA

Innovation Action [IA]

70% direct costs | Indirect costs: 25% direct costs

Exception for non-profit organizations (e.g., academia, public entities) - 100%. Prototyping, testing, demonstration activities, pilots; market replication.

CSA

Coordination and Supporting Action [CSA]

100% direct costs | Indirect costs: 25% direct costs

Networking; policy dialogue, dissemination, communication, awareness, research and innovation alignment



WP 2020: 3 CALLS FOR PROPOSALS

BETTER HEALTH AND CARE, ECONOMIC GROWTH AND SUSTAINABLE HEALTH SYSTEMS

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Personalised medicine

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Innovative health and care industry

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Infectious diseases and improving global health

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Innovative health and care systems – Integration of care

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

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DIGITAL TRANSFORMATION IN HEALTH AND CARE

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TRUSTED DIGITAL SOLUTIONS AND CYBERSECURITY IN HEALTH AND CARE

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CALL BETTER HEALTH AND CARE, ECONOMIC GROWTH AND SUSTAINABLE HEALTH SYSTEMS

Priority 1.1 Personalised medicine

Strategic goals :

- ☐ Delivering personalised health and care solutions to benefit citizens;
- ☐ Generate and translate knowledge on disease aetiology and technological innovation into personalised health and care solutions;
- ☐ Areas of application include chronic, rare and communicable diseases;
- ☐ Any type of population, including children, the ageing population and high-risk groups;
- ☐ Relevant links with the European Reference Networks will be sought;
- ☐ Develop an understanding of the economic impact and the potential of personalised medicine to transform health systems.





CALL BETTER HEALTH AND CARE, ECONOMIC GROWTH AND SUSTAINABLE HEALTH SYSTEMS

Priority 1.2 Innovative health and care industry

Strategic goals :

- ☐ Turning innovative knowledge and technologies into practical applications benefiting citizens, healthcare systems and businesses;
- ☐ Areas of research include innovative diagnostics and therapeutics, including advanced therapies;
- ☐ SMEs are an important component and target of this priority;
- ☐ Actions must demonstrate clear exploitation potential and socioeconomic benefits for patients and sustainable health systems;
- ☐ Complementarity with activities under the SME Instrument, the Fast Track to Innovation and the Innovative Medicines Initiative.





CALL BETTER HEALTH AND CARE, ECONOMIC GROWTH AND SUSTAINABLE HEALTH SYSTEMS

Priority 1.3 Infectious diseases and improving global health



Strategic goals :

- ☐ Tackle infectious diseases and the health of vulnerable groups;
- ☐ “One Health” and more personalised approach to target the improvement of risk assessment and surveillance tools, the development of innovative medical countermeasures addressing AMR, emerging and re-emerging infectious diseases and poverty-related and neglected diseases, low-vaccine uptake;
- ☐ Maternal and newborn health, global collaboration on NCD and brain research;
- ☐ Up-scaling interventions in specific diseases to populations in LMIC and in vulnerable populations of HIC;
- ☐ Connection between global health and extensive migration waves
- ☐ Links to the EDCTP, the EU and WHO Global AMR action plans, the European One Health Action Plan against AMR, etc.



CALL BETTER HEALTH AND CARE, ECONOMIC GROWTH AND SUSTAINABLE HEALTH SYSTEMS

Priority 1.4 Innovative health and care systems - Integration of care



Strategic goals :

- ☐ Developing effective, accessible and sustainable health interventions and integrated care systems;
- ☐ Particularly relevant in the context of personalised medicine, management of chronic diseases and health promotion;
- ☐ Development of health technology assessment methods and evaluation of community- and population-based intervention strategies;
- ☐ Management of elderly multimorbid patients;
- ☐ New financing and business models, requiring contributions from SSH;
- ☐ Integration of the healthcare dimension by better coordinating primary and community care with the specific needs of the patient.



CALL BETTER HEALTH AND CARE, ECONOMIC GROWTH AND SUSTAINABLE HEALTH SYSTEMS

Priority 1.5 Decoding the role of the environment, including climate change, for health and well-being

Strategic goals :

- ☐ Access the impact of environment on health and well-being, and the related socio-economic impacts;
- ☐ Development of new testing and screening methods to identify endocrine disrupting chemicals;
- ☐ Development of the 'human exposome', allowing the assessment of the totality of the life-long environmental influences that individuals are exposed to and their health impacts;
- ☐ Understanding the impact of micro- and nano-plastics on human health;
- ☐ Development of a European environment and health research agenda for the future;
- ☐ Innovative actions for improving urban health and wellbeing;
- ☐ Contribution to the Ostrava Declaration on Environment and Health and the EU chemical and other sectoral policies;
- ☐ Build on existing results from projects funded under previous EU research framework programmes and create links to the European Human Biomonitoring.





CALL DIGITAL TRANSFORMATION IN HEALTH AND CARE



Strategic goals :

- ☐ Supporting the management of health and wellbeing while empowering the participation of citizens and facilitating the transformation of health and care services to more digitised, person-centred and community-based care models;
- ☐ Enabling better access to healthcare and the sustainability of health and care systems;
- ☐ Secure and interoperable data as an enabler together with state of the art technologies such as Artificial Intelligence and Big Data analytics are essential building blocks for the digital transformation of health and care;
- ☐ Relevant to the Commission priorities 'A new boost for jobs, growth and investment' and 'A connected Digital Single Market' , as well as to the European Cloud Initiative and the European Free Flow of Data Initiative;
- ☐ Maximising the potential of the digital economy in the health and care sectors aiming at sustainable development to the benefit of society, environment and citizens.



CALL TRUSTED DIGITAL SOLUTIONS AND CYBERSECURITY IN HEALTH AND CARE

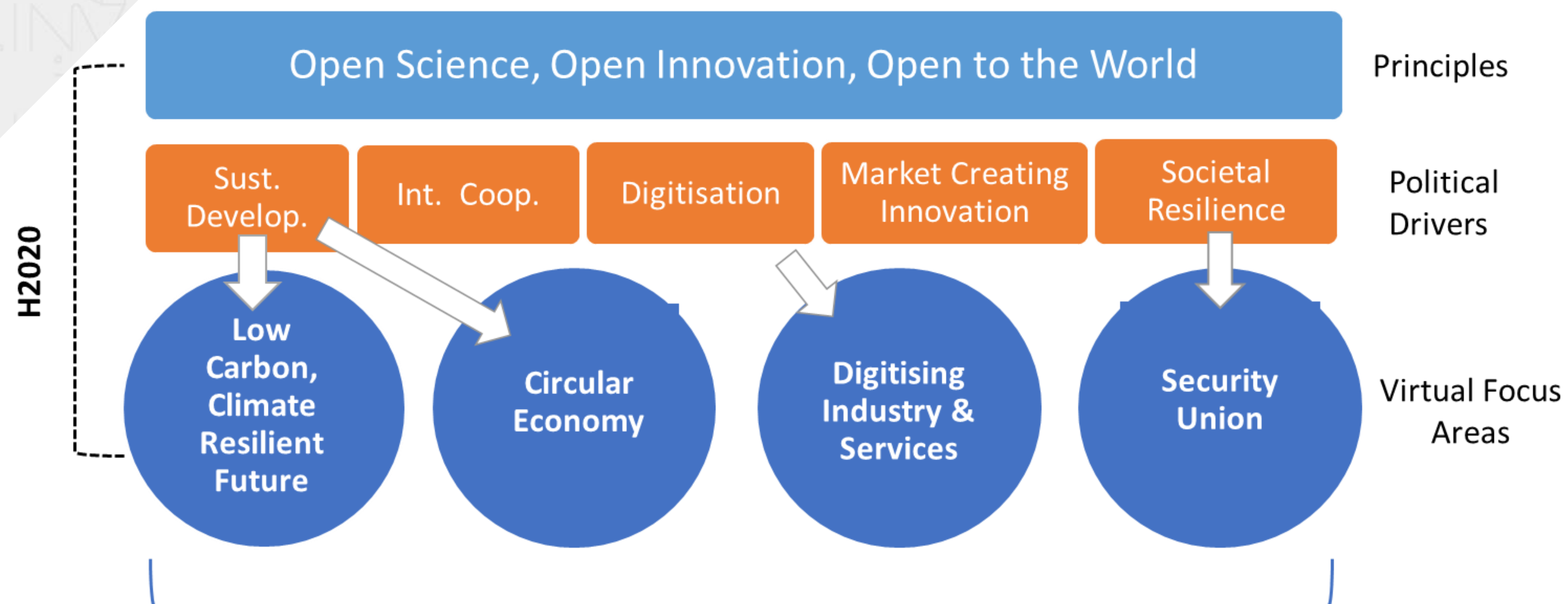
Strategic goals :

- ☐ Multidisciplinary technologies and solutions in health and care with a focus on Artificial Intelligence, High Performance Computing and cybersecurity to assure data privacy, security and protection of health and care infrastructures;
- ☐ Addresses the need for secure and user-driven ICT-based solutions in early risk detection and interventions with big data approaches that enable aggregation of a variety of new and existing data sources such as medical records, registries, social platforms and other environmental, physiological and behavioural data, including data from large scale pilots on smart living environments;
- ☐ Contribute to the Focus Areas on 'Digitising and transforming European industry and services' and 'Boosting the effectiveness of the Security Union'.





CALL TRUSTED DIGITAL SOLUTIONS AND CYBERSECURITY IN HEALTH AND CARE



4 FOCUS AREAS



HEALTH INFO DAY AND BROKERAGE EVENT

3 July

[Home](#) > [Research and Innovation](#) > [Events](#)

Save the date! Open Info Day, Horizon 2020 - 'Health, demographic change and wellbeing'

Brussels (Charlemagne building), Belgium

4 July



4 July 2019
Brussels, Belgium

**Horizon 2020 Health
Partnering Day 2019**

[Home](#) [How it works?](#) [Timetable](#) [Flash presentations](#) [Venue](#) [Contact](#)

Get involved in the next H2020 Health proposals!

The launch of the 2020 call is planned for June 2019; this will be the last call of Horizon 2020 before the new Framework Programme starts in 2021.

The European action Health NCP Net 2.0, in partnership with *Enterprise Europe Network*, are organizing the next Horizon 2020 Partnering Day on the 2020 Health call for proposals.

This international partnering event will help you to build your consortium for the upcoming 2020 calls of the 2018-2020 Health work programme, which will be open until April 2020.

Don't miss this opportunity!

This event will target a wide spectrum of companies, universities and researchers from Europe and beyond interested in sharing new project ideas.

One day before, on the 3rd of July 2019, the European Commission is organizing an **Open Info Day** dedicated to "Health, Demographic Change & Wellbeing (SC1)" challenge in Horizon 2020 and focusing on the 2020 call.

Do not miss an opportunity to attend both of these events and establish valuable contacts with other experts as well as European Commission representatives!

Register now
Open until 31 May 2019

LOCATION

Crowne Plaza Brussels - Le Palace

ORGANISED BY





HEALTH RELATED PROGRAMMES

(CO-FUNDED BY SC1)



EDCTP funds clinical research to accelerate the development of new or improved drugs, vaccines, microbicides and diagnostics against HIV/AIDS, tuberculosis and malaria as well as other poverty-related infectious diseases in sub-Saharan Africa, with a focus on phase II and III clinical trials.

Contact: ricardo.pereira@fct.pt



AAL funds projects that work towards creating market-ready products and services for older people. Each project consists of SMEs, research bodies and end-user organisations. Time-to-market maximum 2-3 years after the end of the project.

Contact: pedro.ruivo@fct.pt



IMI is a partnership between the European Union and the European pharmaceutical industry. IMI facilitates open collaboration in research to advance the development of, and accelerate patient access to, personalised medicines for the health and wellbeing of all, especially in areas of unmet medical need.

Contact: patricia.calado@ani.pt



The EIP on AHA aims to promote healthy and active ageing. Its overarching target is to increase the average healthy lifespan of EU citizens by 2 years by the year 2020. It pursues a Triple Win for Europe:

- Improving the health and quality of life of Europeans with a focus on older people;
- Supporting the long-term sustainability and efficiency of health and social care systems;
- Enhancing the competitiveness of EU industry through business and expansion in new markets.



Last opportunities in H2020

PATHFINDER PILOT BUILDS ON FET OPEN AND PROACTIVE!!

Pathfinder



> supports future and emerging
breakthrough technologies
with a **one-off grant**



> a project can apply
for Accelerator funding
as it matures

- Collaborative projects up to 3M€
- **TRL 1-3/4** (RIA, 100%)
- **Proposals 1+15 pages**



FETOPEN SPIRIT: “LET’S TRY EVEN IF IT MAY FAIL!”



*Go far beyond what
is considered a
standard
technology*

*From new
knowledge...*

*...to new
technologies*

Sofia.Azevedo@ani.pt



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Thank you!

Patrícia Calado

patricia.calado@ani.pt