



New funding opportunities in the Health area and support at UiB

**Societal Challenge 1 Work Programme
“Health, Demographic Change and Wellbeing”**

Corina Guder
Research Advisor FA, BOA-Team

UNIVERSITY OF BERGEN





Support from the BOA Team

- Mobilisation & positioning
- **Advice and support throughout the application phase**
- Contract negotiations
- Budgeting and financial reporting
- IPR
- Employment terms: charter & code
- Researcher profile and outreach
- CV & bibliometrics

<http://www.uib.no/boa>





UiBs Local Contact Points

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Support for your EU application

- Reading & interpreting call text
- Underpinning policy (how/ by whom the call was developed)
- Matchmaking, partner searching & consortium building
- Support and advice throughout the writing process
- Impact, output & research exploitation
- Ethics and RRI
- Developing a business plan
- Communication and dissemination
- Data management plan
- Thorough pre-submission application review
- Budget & finance





SC1- Health demographic change and wellbeing

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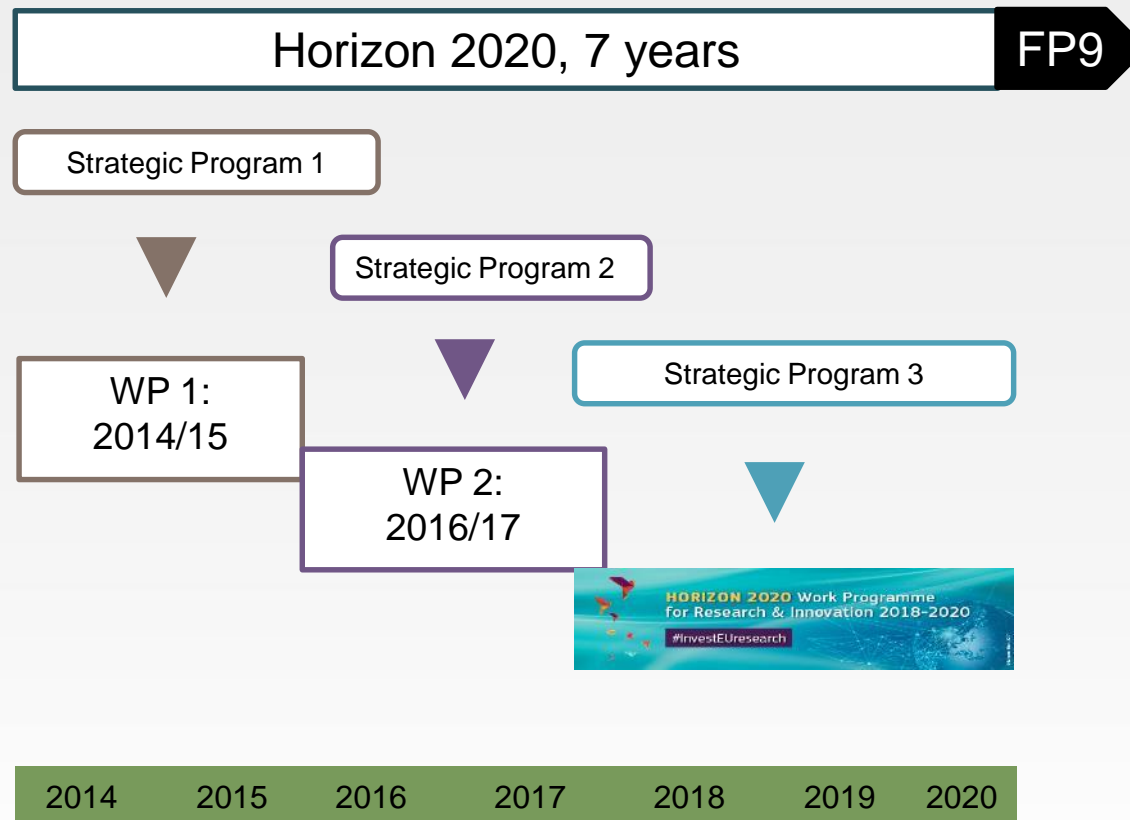
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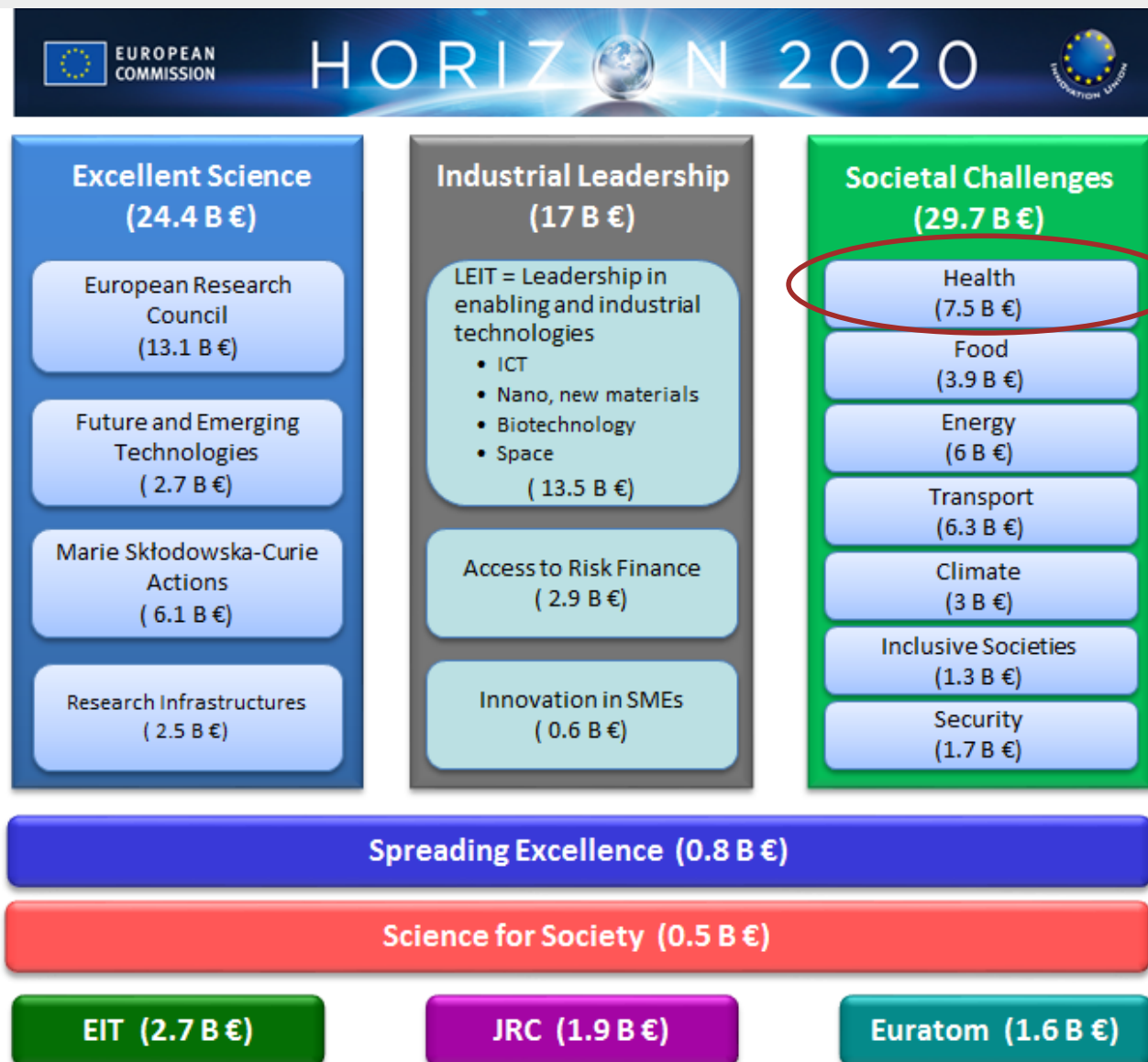




H2020; Work programs, topics



Structure of Horizon 2020





How to apply?

Research Participant Portal

- Application
- Project administration
- Information on funding opportunities
- Support
- Expert registration and evaluation process

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



Excellent Science

European Research Council ERC

Attractive, long-term funding to support excellent investigators and their research teams to pursue ground-breaking, high-gain/high-risk research.

Scheme	Eligible PIs	Contribution	Deadline 2018
Starting Grant	2-7 y after PhD	1,5 mill EUR/5y	17.10.2017
Consolidator Grant	7-12 yafter PhD	2 mill EUR/5y	15.02.2018
Advanced Grant	no restriction	2,5 mill EUR/5y	30.08.2018
Synergy Grant	no restriction, 2-4 PIs	10 mill EUR/6y	(14.11.2017)
Proof-of-Concept	for ERC grantees	150.000 EUR/18m	4 cut-off dates



Excellent Science

Marie Skłodowska-Curie Actions

Equipping researchers with the new knowledge, skills and international and intersectoral exposure to fill the top positions of tomorrow and solve current and future societal challenges.

Mobility!

MSCA-ITN-2018: **Innovative Training Networks**: ESRs (PhD level)
Deadline: January

MSCA-IF-2018: **Individual Fellowships**: ERs (Post doc level)
Deadline: September
→ Bergen MSCA Master Class pilot



Societal Challenges: top-down

Societal Challenges approach:

Not

“Where can I find funding for my research?”

but

“How can I use my competence to solve the challenge described in this call?”

(Simula)



Project types

RIA = Research and Innovation Action

→ establish new knowledge and/or to explore the feasibility of a new or improved technology, product, process, service or solution. Basic and applied research

100% funding

IA = Innovation Action

→ new/improved products, processes or services

100% funding for non-profit legal entities, else 70%

CSA = Coordination and Support Actions

→ Standardisation, dissemination, awareness-raising and communication, networking, coordination or support services, policy dialogues and mutual learning exercises and studies.

100% funding



Minimum requirements

- At least 3 partner countries (EU, AC)
- Clinical Trials: extra template to be filled

Success factors

- New idea/solution
- Address all aspects in the Call (Scope)
- Address all Expected Impacts
- Carefully built consortium addressing all aspects
- Long-term collaboration between core partners
- Good time for project development/proposal preparation
- Experienced coordinator
- SME participation
- Building on earlier EU projects



SC1 2018-2020; Structure and themes

1) Better Health and care, economic growth and sustainable health systems

- 1.1 Personalised 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, including climate change, for health and well-being

2) Digital transformation in Health and Care

3) Trusted digital solutions and Cybersecurity in Health and Care



Call : Better health and care, economic growth and sustainable health systems, 1.1., 1.2, 1.3, 1.4, 1.5

06 FEB 2018 (First stage),
04 SEPT 2018 (second stage)

02 Oct 2018, (First stage),
16 APR 2019 (second stage)


18 APR 2018
16 APR 2019

Calls Digital Transformation *and* Trusted Digital Solutions

24 APR 2018
14 NOV 2018
24 APR 2019

1.1 Personalised medicine 2018/2019



SC1 TOPICS title	Type	Single Stage/2-Stage	Budg./topic	Budg./prop.	deadline	Prop to be funded appr.
SC1-BHC-01-2019: Understanding causative mechanisms in co- and multimorbidities 	RIA	2-stage	70 mill	6 mill	02.10.2018 (16.april 2019)	12
SC1-BHC-02-2019 Systems approaches for the discovery of complex di	RIA	2 stage	50 mill	4-6 mill	02.10.2018 16 april 2019	10
SC1-BHC-05-2019 collaborative storage, inte personalise						7
SC1-HCO-01-2018 of the Inter Personalise						5
SC1-BHC-03-2018 and applica microbiome prevention						4
SC1-BHC-04-2018 (ex-10): Rare Disease Joint Programme Co-Fund	EJP	Singlestage	55mill	45-50mill	18.04.2018	1
SC1-HCO-02-2018 (ex-CSA9): Data integration and data-driven in-silico models for enabling personalised medicine - a European standardization framework	CSA	single-stage	2,00		18.04.2018	1
SC1-HCO-04-2018 (ex-NEW CSA12): ERA-NET to support the Joint Programming in Neurodegenerative Diseases strategic plan (JPND)	ERA-NETCo-Fund	single stage	5,00	5mill	18.04.2018	1

Areas of application include chronic, rare and communicable diseases.

Targets any type of population, including children, the ageing population and high-risk groups



1.2 Innovative health and care industry **2018/2019**

SC1 TOPICS title	Type	Single Stage/2-Stage	Budg. / topic	Budg./pro	deadline	Prop to be funded appr
SC1-BHC-07-2019: Regenerative medicine: from new insights to new applications	RIA	Single stage	50 mill	6-8 mill	16.04.2019	7
SC1-BHC-09-2018: Innovation platforms for advanced therapies of the future	RIA	Single stage	54 mill	12-15 mill	18.04.2018	4
SC1-BHC-10-2019: Innovation Procurement: Next generation sequencing (NGS) for routine diagnosis	PCP/PPI	PCP	40 mill	9-11 mill	16.04.2019	10
SC1-HCO-05-2018: Strengthen Regulatory Sciences and support for successful regulatory Scientific Advice	CSA	single-stage	2,00		18.04.2018	1

- *innovative diagnostics and therapeutics,*
- *advanced therapies*
- *SME focus*

1.3 Infectious diseases and improving global health 2018/2019

SC1 TOPICS title	Type.	Single Stage/2-Stage	Budg./ topic	Budg./prop	deadline	Prop to be funded, appr
SC1-BHC-13-2019: Mining big data for early detection of infectious disease threats driven by climate change and other factors	RIA	single-stage	30 mill	12-15 mill	16.04.2019	3
SC1-BHC-14-2019: Stratified host-directed approaches to improve prevention, treatment and/or cure of infectious diseases	RIA	2-Stage	95 mill	6-10 mill	02.10.2018 16.april 2019	13
SC1-BHC-15-2018: Treatment of neglected diseases					sept	6
SC1-BHC-16-2018: Interventions at the management of infectious diseases						6
SC1-BHC-18-2018: Europe and the Caribbean (CELAC)						7
SC1-BHC-19-2018: Health						7
SC1-BHC-21-2018: (HCV) in patients in context of foster care						4
SC1-HCO-06-2018: Sciences Research Centres to help address governance and other challenges in the preparedness for and the response to infectious threats						1
SC1-HCO-08-2019 : Creation of a European wide sustainable clinical research networks for infectious diseases	CSA	single-stage	3,00	2-3 mill	16.04.2019	1
SC1-HCO-09-2018 : Building international efforts on cohorts	CSA	single-stage	2,00		18.04.2018	1
SC1-HCO-10-2018 : Coordinating European brain research and developing global initiatives	CSA	single-stage	2,00		18.04.2018	1
SC1-HCO-11-2018: Strategic collaboration in health research and innovation between EU and China	CSA	single-stage	1,00	1,00	18.04.2018	1

- *public health emergencies*
- *poverty-related and neglected diseases*
- *maternal and newborn health*
- *global collaboration on non-communicable diseases*
- *brain research*



1.4 Innovative health and care systems- Integration of care 2018/2019

- *management of chronic diseases and health promotion*
- *development of health technology assessment methods*
- *evaluation of community- and population-based intervention strategies*
- *new financing and business models*
- *integration of the care dimension*

SC1-
based healthcare



SC1-HCO-12-2018 : Innovation in health care - towards using pre-commercial procurement and public procurement of innovative solutions in health care systems

CSA

single-stage


2 mill



2 mill

18.04.2018

1




1.5 Decoding the role of the environment, including climate change, for health and wellbeing **2018/2019**



SC1 TOPICS title	Type	Single Stage/2-Stage	Budg. / topic	Budg./pro	deadline	Prop to be funded, appr
SC1-BHC-27-2018 :New testing and screening methods to identify endocrine disrupting chemicals	RIA	Single stage	52 mill	4-6 mill	18.04.2018	8
SC1-BHC-28-2019: The Human Exposome Project: a toolbox for assessing and addressing the impact of environment and climate change on health 	RIA	Single stage	50 mill	8-12 mill	16.04.2019	6
SC1-HCO-13-2018 :Setting the priorities for a European environment, climate and health research agenda 	CSA	single-stage	3,00	2-3 mill	18.04.2018	1



Digital transformation in health and care **2018/2019**

SC1 TOPICS title	type	Single Stage/2-Stage	Budg./ topic	Budg./prop	deadline	Prop to be funded, appr
SC1-DTH-01-2019 : Big data and Artificial Intelligence for monitoring health status and quality of life after the cancer treatment	RIA	single stage	25 mill	3-5 mill	24.04.2019	6
SC1-DTH-03-2018 : Adaptive smart working and living environments supporting active and healthy ageing 	RIA	Single stage	25 mill	3-4 mill	24.04.2018	7
SC1-DTH-05-2019 : Large scale implementation of digital innovation for health and care in an ageing society	PPI	Single stage	10 mill	2-5 mill,	24.04.2019	3
SC1-DTH-07-2018 : Exploiting the full potential of in-silico medicine research for personalised diagnostics and therapies in cloud-based environments	RIA	single stage	35,00	10-15 mill	24.04.2018	3
SC1-DTH-08-2018 : Prototyping a European interoperable Electronic Health Record (EHR) exchange 	RIA	single stage	20 mill	6-10 mill	24.04.2018	3
SC1-DTH-09-2019: Scaling up the univocal Identification of Medicinal Products	IA	single stage	19 mill	5-8 mill	24.04.2019	3
SC1-DTH-10-2019-2020 Digital health and care services	PCP	single stage	22 mill	5-6 mill	14.11.2018	4
SC1-DTH-11-2019: Large Scale pilots of personalised & outcome based integrated care 	IA	single-stage	20,00	4-6 mill	24.04.2019	5
SC1-HCC-01-2018 : Supporting investment in smart living environments for ageing well through certification	CSA	single-stage	1,00	1 mill	24.04.2018	1
SC1-HCC-02-2019 : Support for the large scale uptake of open service platforms in the Active and Healthy Ageing domain	CSA	single-stage	1,50	1,5 mill	24.04.2019	1
SC1-HCC-03-2018 : Support to further development of international cooperation in digital transformation of health and care	CSA	single-stage	2,00	2 mill	24.04.2018	1
SC1-HCC-04-2018: Digital health and care services – support for strategy and (early) adoption	CSA	single-stage	1,00	1,00	24.04.2018	1
SC1-HCC-05-2018: Support to a Digital Health and Care Innovation initiative in the context of Digital Single Market strategy	CSA	single-stage	4 mill	4 mill	24.04.2018	1



eHealth in Horizon 2020

The goals of the EU have been translated into research priorities and we find ICT & health in the areas of:

- ICT for personalised and predictive medicine, including advanced modelling and simulation.
- Big data, advanced analytics → diagnostics and decision making
- Web and mobile technologies and digital instruments
- eHealth systems and services with strong user involvement



The ageing society

"The Silver Economy is the new gold, Silicon Valley gurus tell us. Large new public and consumer markets of ICT products and services for ageing well are developing. Our ageing populations are drivers of economic growth." European Commission.

Challenges

- Increased prevalence of chronic diseases
- Financial pressure on the health system
- Dependency ratio and personal care


Opportunities

- Increased prevalence of chronic diseases
- Empowerment: active aging
- New care models
- Growth and new markets





Trusted digital solutions and Cybersecurity in health and care **2018/2019**

SC1 TOPICS title	Instrum.	Single Stage/2-Stage	Budg./t opic	Budg./pro	deadline	Prop to be funded, appr
DT-TDS-01-2019: Smart and healthy living at home 	IA	Single stage	60,00	15-20	14.11.2018	3
SU-TDS-02-2018: Toolkit for assessing and reducing cyber risks in hospitals and care centres to protect privacy/data/infrastructures	RIA	Single stage	35 mill	3-5 mill	24.04.2018	7
SU-TDS-03-2018: Raising awareness and developing training schemes on cybersecurity in hospitals	CSA	single-stage	1,00	1,00	24.04.2018	1



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1.1 Personalised medicine:

"a medical model using characterization 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".
(Advisory group to the PC, SC1)

“Personalised medicine uses information specific to an individual to target therapeutic and prevention strategies more accurately, putting citizens and patients at the centre of healthcare and innovation. Recent developments in areas such as molecular profiling, medical imaging and diagnostics are making personalised medicine a reality in healthcare “

Action Plan

Actionable Research and Support Activities
Identified by the International Consortium for Personalised Medicine

