

Horizon Europe 2021-2027

- what to expect as a health researcher or innovator

Jan Skriwanek National Contact Point for Health, Germany
DLR Project Management - jan.skriwanek@dlr.de

Kim L. Kryger, National Contact Point for Health, Denmark
Danish Ministry of Higher Education and Science - klk@ufm.dk



National Contact Points (NCPs)

- How can National Contact points help you to innovate?
- Identifying the right funding programme Finding the right topic – making your idea fit to the call topic
- Consulting on structure and wording of your application document Assist in strategic and administrative questions
- Communicating with the European Commission
- Networking with NCPs and delegates of other MS & Connecting people
- Information events, dedicated workshops, partnering events, newsletters, etc.

National Contact Point Health Germany



National Contact Points in Denmark



- NCP organisation, EuroCenter, is part of the Ministry of Research & HE
- NCPs are also members of the H2020 Programme Committees
- Our primary clients are research support offices of DK universities



Societal Challenges

- > Health
Kim L. Kryger
7231 8288
klk@ufm.dk
- > Energy
Tina Gaard Sander
7231 8369
tgs@ufm.dk
- > Bioeconomy
Stefanie Bondy
Jørgensen
7231 8217
stbj@ufm.dk
- > Transport
Anne Maibohm Haridt
7231 8261
amma@ufm.dk

Ministry of Higher Education
and Science

Main menu ▾ Dansk Search Site 🔍

Proposal & project

- Idea and Choice of Call
- Find Project Partners
- Budgeting
- Writing a Proposal
- EU Grant and Project Start
- Project Implementation
- Project Completion
- The European Commissions Funding & Tenders Portal

Where are you in the Horizon 2020 Process?

The seven steps from idea to project completion

- 1 Idea and choice of call
- 2 Find project partners
- 3 Budgeting
- 4 Writing a proposal
- 5 EU grant and project start
- 6 Project implementation
- 7 Project completion

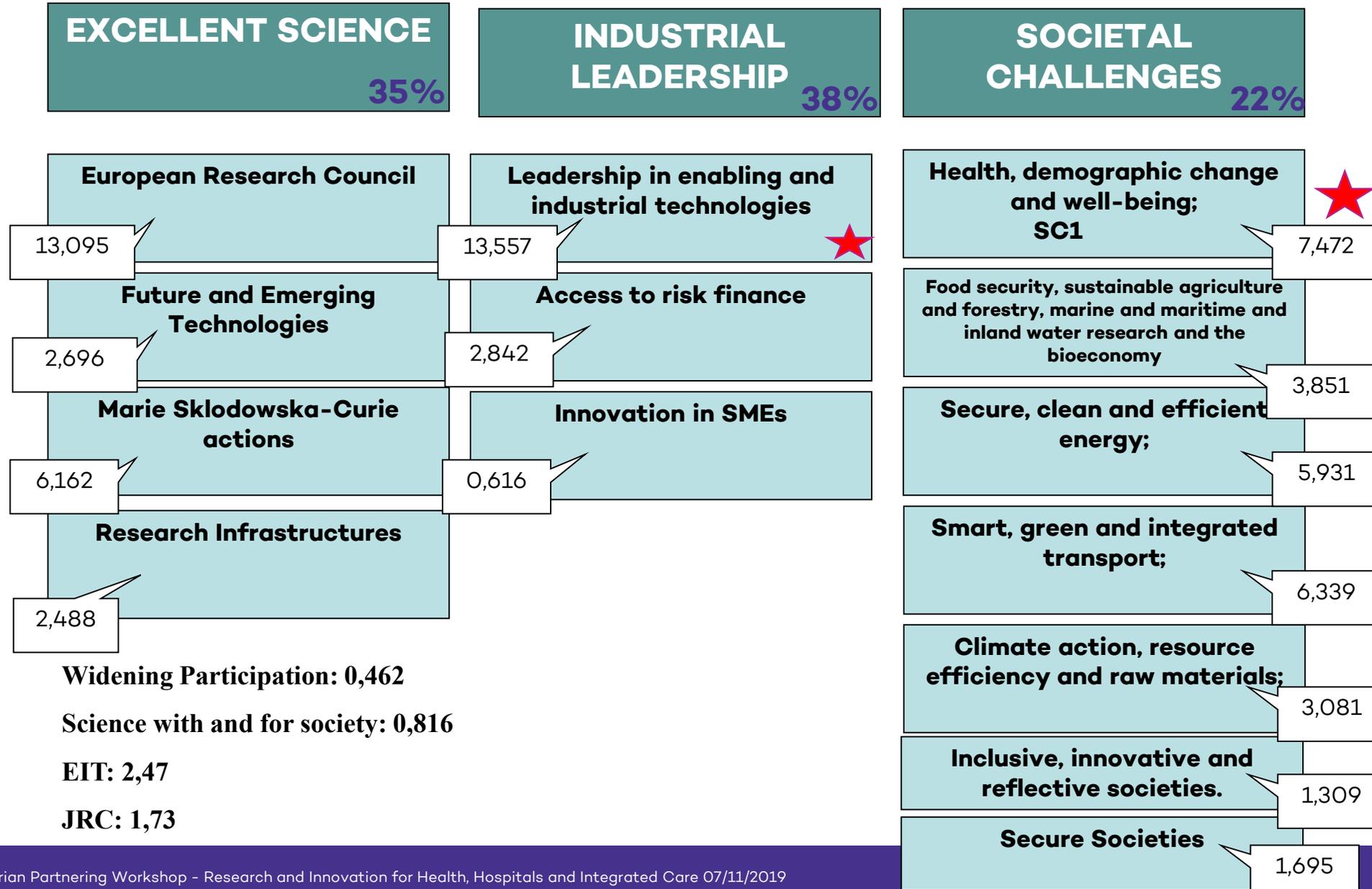
Address Aspects like Gender, Impact and Ethics in your Application

- Gender+**
♂ ♀
> Read more about Gender
- Impact**
> Read more about Impact
- Ethics**

Some important Horizon Europe questions

- *How will Horizon Europe differ from Horizon 2020 (and how will this affect me)?*
- *Will there be more funding for Health R&I under Horizon Europe?*
- *When and where should I look for opportunities /topics?*
- *What are the Health R & I priorities of the Health cluster/programme?*
- *“A new approach to partnerships” – what does it mean for Health R & I?*
- *What are Horizon Europe “Missions” – and what can you expect of a mission on cancer?*

Horizon 2020 – 79.4 billion EUR



Horizon Europe (2021-2027) : 94.1 bn Euro

25.8 bn EUR

52.7 bn EUR

13.5 bn EUR



Pillar 1 Excellent Science

European Research Council

Marie Skłodowska-Curie
Actions

Research Infrastructures



Pillar 2 Global Challenges and European Industrial Competitiveness

- Clusters
- Health **★ 7.7 bn. EUR**
 - Culture, Creativity and Inclusive Society
 - Civil Security for Society
 - Digital, Industry and Space
 - Climate, Energy and Mobility
 - Food, Bioeconomy, Natural Resources, Agriculture and Environment

Joint Research Centre



Pillar 3 Innovative Europe

European Innovation Council **★**

European innovation
ecosystems

European Institute of
Innovation
and Technology

Widening Participation and Strengthening the European Research Area

Widening participation and spreading excellence

Reforming and Enhancing the European R&I system

3-4 % of total budget

European Innovation Council



Pillar 3
Innovative Europe

Pathfinder

FET Open

FET
Proactive

10 bn. EUR

Accelerator

SME Inst.
incl. blended
finance

Other actions

Fast Track to
innovation FTI

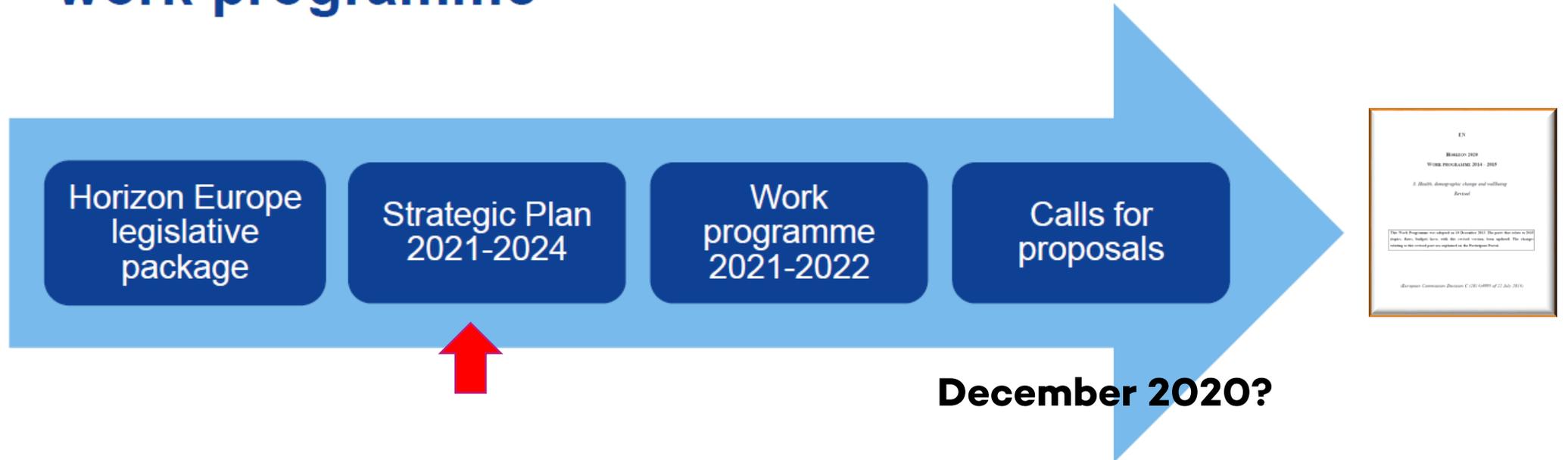
Horizon Prizes

Explorative
actions

Support
Actions



Strategic plan gives direction to the work programme



Main Features

- Early involvement and extensive exchanges with Member States
- Extensive exchanges with the European Parliament
- Consultations with stakeholders and public at large

Summing up (1)

- Horizon Europe will have a Health Cluster (programme) . There will topics published in a deicated work programmes and on the funding and tenders portal
- There will be an increased focus on cross–cluster priotrities. Topics of interest could be found in other clusters in (eg climate energy mobility)
- Strategic planning: workprogrammes and topics will be more policy–driven. It will be clearer to applicants what the driving policies and impact goals are behind prioritised areas and topics
- The EIC: There will be enhanced opportunities and support for businesses and innovation –. Grant financed bottom–up and competitive schemes with opportunities for blended financing for close-to-market activities.

The Health cluster priorities – “Areas of intervention”

- Health throughout the Life Course
- Environmental and Social Health Determinants
- Non-Communicable and Rare Diseases
- Infectious Diseases, including Poverty-related and Neglected Diseases
- Tools, Technologies and Digital Solutions for Health and Care, including Personalised Medicine
- Health Care Systems

Horizon Europe Cluster Health

What's new?

- Digitization and personalized health and care as overarching topic for all „areas of Intervention“
- Health economy and Health systems as important end users of results – higher expected Impact
- Patient-centric solutions and technologies for health and care
- Stronger role of DG SANTE - DG for Health and Food Safety

Horizon Europe – funding instruments

Strong continuity of existing instruments:

- Research and Innovation Actions (RIA)
- Innovation Actions (IA)
- Coordination and Support Actions (CSA)
- Pre-commercial Procurement Action (PCP)
- Public Procurement of Innovative Solutions Action (PPI)
- Inducement Prizes
- Recognition Prizes

A new partnership approach – what does it mean for Health R & I

Rationalisation and reform (EC policy): Overall number reduced, reformed continuations of current partnerships & partnerships that would build on existing actions or merge existing partnerships, a major part of the Cluster Health budget will finance the future partnerships

What is the nature of the different partnerships? Mix of very big partnerships like the Innovative Health Initiative (Public Private Partnership, EC &+ Industry) and smaller partnerships (public public partnerships, EC + MS)

Why should I look at these partnerships? Additional funding opportunities for transnational health research, look for topics not included in HE Cluster 1 Work Programme, work with industry, etc.

Where should I look for open calls? Calls planned to be included in the EC funding & tender portal, individual websites

Cluster Health – proposed future partnerships

Horizon Europe – proposed partnerships		Horizon 2020 – existing partnerships
EU-Africa Global Health Partnership	←	European and Developing Countries Clinical Trials Partnership (EDCTP)
Innovative Health Initiative	←	Innovative Medicines Initiative (IMI)
Chemicals Risk Assessment	←	Human Biomonitoring
(Pre-)Clinical Health Research	←	Merging of existing disease specific ERA Nets
Large-scale innovation and transformation of health systems in a digital and ageing society	←	Ambient Assisted Living JPI More Years, Better Lives and others
Personalised Medicine	←	IC Permed
Rare Diseases	←	E-RARE
AMR	←	JPI AMR
EIT Health	←	EIT Health

The Horizon Europe "Missions"

R&I Missions are...

Portfolios of actions
across disciplines

intended to achieve a **bold**,
inspirational and measurable
goal within a **set**
timeframe

with **impact** for society
and policy making as well as
relevance for a significant
part of the European
population and wide range of
European citizens.



Identified Mission areas

**Mission Area 1: Adaptation
to Climate Change,
including Societal
Transformation**

Mission Area 2: Cancer

**Mission Area 3: Healthy
Oceans, Seas and
Incoming Waters**

**Mission Area 4: Climate-
Neutral and Smart Cities**

**Mission Area 5: Food and
Soil Health**

Missions : the set-up

Mission boards (max 15 people)

Mission Assemblies (max 30 people)

National representation: Mission sub-groups
(to the strategic shadow committee)

Timeline

Meetings : 3. september Oct. Nov....

Extensive outreach?

Candidate missions by end 2019

Missions identified in Strategic Plan in
early 2020

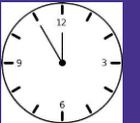


Challenges and open questions

- Getting from Mission-area (and sub-areas) to actual "Missions"
 - Prevention - treatment - survivorship
- Funding (1 bn EUR per Mission?)
 - leveraging other funding sources
- A European "cancer moonshot"?
 - linking to EU and MS policies
 - The European Action plan on Cancer
- How will the portfolio approach work?
 - Bottom-up, open and competitive?
- Will there be a specific Missions work-programme?
 - Visible but not isolated ? (from Cluster Health)

R&I mission:

- A measurable goal
- A set timeframe
- Impact on European society and policy making at national level
- Relevant for European citizens



Summing up (2)

- Digitization and personalized health and care as overarching ambition for all „areas of Intervention“ in the Cluster Health
- Strong continuity of exiting funding instruments in Horizon Europe
- Partnerships will play a stronger role in Horizon Europe – look for additional funding opportunities
- Horizon Europe Missions are an exciting novelty and a headache (at this stage) They will offer exciting research opportunities and quite possibly impact Member states R&I agendas and related policies and actions.

