

Cluster 1 - Health

Horizon Europe

Framework programme for research and innovation 2021–2027

The Horizon framework programme is a **POLITICAL INSTRUMENT** where research and innovation are needed to achieve political priorities



Horizon Europe 2021–2027

Evolution not a revolution

to strengthen the
EU's scientific and
technological bases

to boost Europe's
innovation capacity,
competitiveness
and jobs

to deliver on
citizens' priorities and
sustain our
socio-economic
model and values

Innovative, high-quality
health technology and
methodology

advancing knowledge and
capabilities

Increasing productivity

Sustainability

Digital transformation

Available, accessible and
affordable innovative high-
quality health care

Sustainability

Horizon Europe

Missions

Pillar 1

Excellent Science

European Research Council

Marie Skłodowska-Curie
Actions

Research Infrastructures

Pillar 2

Global Challenges and
European Industrial
Competitiveness

Clusters

- Health
- 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

Partnerships

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

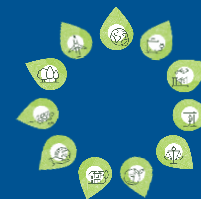
Cluster Health aims

- to better understand and manage health and diseases
- sustainable digital transformation
- delivery of integrated, person-centered and equitable health and care
- reliable supply chains



Cluster 1 – Destinations

1. Staying healthy in a rapidly changing society
2. Living and working in a health-promoting environment
3. Tackling diseases and reducing disease burden
4. Ensuring access to innovative, sustainable and high-quality health care
5. Unlocking the full potential of new tools, technologies and digital solutions for a healthy society
6. Maintaining an innovative, sustainable and globally competitive health-related industry



Related European initiatives

“The cluster health will promote and foster synergies with public health policies at national and regional level, with other EU programmes and policies, as well as with health-related European infrastructures.”



EU4Health



Europe's Beating Cancer Action Plan Mission Cancer



European Green Deal

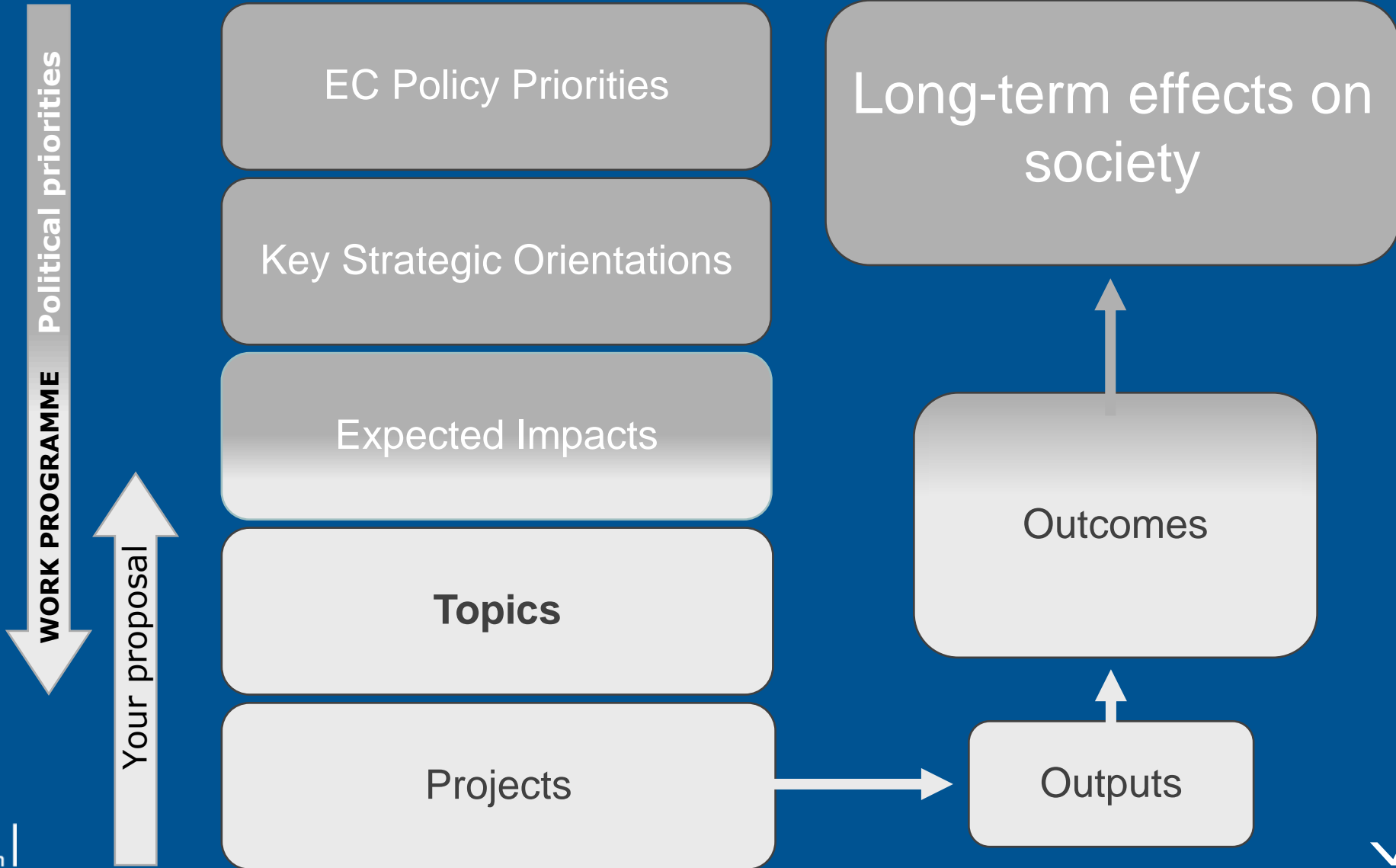
- One Health initiative on AMR
- Impact of pollution and climate change on health and well-being



Europe fit for the digital age

- convergence of pharmaceutical, digital and medical technologies
- digital transformation of health and care

Pathways to Impact



IMPACT DESIGN IN HORIZON EUROPE

THREE TYPES OF IMPACT BASED ON OBJECTIVES



Scientific impact

Promote scientific excellence, support the creation and diffusion of high-quality new fundamental and applied knowledge, skills, training and mobility of researchers, attract talent at all levels, and contribute to full engagement of Union's talent pool in actions supported under the Programme.



Societal impact

Generate knowledge, strengthen the impact of R&I in developing, supporting and implementing Union policies, and support the uptake of innovative solutions in industry, notably in SMEs, and society to address global challenges, inter alia the SDGs



Economic impact

Foster all forms of innovation, facilitate technological development, demonstration and knowledge transfer, and strengthen deployment of innovative solutions

Today's favorites

- **HORIZON-HLTH-2021-STAYHLTH-01-02:** Towards a molecular and neurobiological understanding of mental health and mental illness for the benefit of citizens and patients
- **HORIZON-HLTH-2021-CARE-05-02:** Data-driven decision-support tools for better health care delivery and policy-making with a focus on cancer
- **HORIZON-HLTH-2021-TOOL-06-02:** Next generation advanced therapies to treat highly prevalent and high burden diseases with unmet medical needs

Possible European partnerships

Health

- EU-Africa Global Health
- Innovative Health Initiative (IHI)
- Chemicals Risk Assessment
- Fostering an ERA for Health research
- Large-scale innovation and transformation of health systems in a digital and ageing society
- Personalised Medicine
- Rare Diseases
- One Health AMR
- Pandemic preparedness

Climate, energy and mobility

- Transforming Europe's rail system
- Integrated Air Traffic Management
- Clean Aviation
- Clean Hydrogen
- Built environment and construction
- Towards zero-emission road transport
- Mobility and Safety for Automated Road Transport
- Batteries
- Clean Energy Transition
- Driving Urban Transition
- Smart and zero-emission waterborne transport

Digital, industry and space

- High Performance Computing
- Key Digital Technologies
- Smart Networks and Services
- AI, data and robotics
- Photonics Europe
- Clean Steel - Low Carbon Steelmaking
- European Metrology
- Made in Europe
- Carbon Neutral and Circular Industry
- Global competitive space systems

Food, bioeconomy, natural resources, agriculture and environment

- Accelerating farming systems transition
- **Animal health: Fighting infectious diseases**
- Environmental Observations for a sustainable EU agriculture
- Rescuing biodiversity to safeguard life on Earth
- A climate neutral, sustainable and productive Blue Economy
- Safe and Sustainable Food System for People, Planet & Climate
- Circular bio-based Europe
- Water4All: Water security for the planet

Pillar III

Cross-Pillar

- *EIT Climate KIC*
- *EIT Health*
- *EIT Food*
- *EIT InnoEnergy*
- *EIT Raw Materials*
- *EIT Digital*
- *EIT Urban Mobility*
- *EIT Cultural and Creative Industries*
- *Innovative SMEs*
- *European Open Science Cloud (EOSC)*

Mission areas

Missions are not about R&I - they are about delivering a public good. They are used to agree on a European level what we want to change and deliver it in society.

1



**Adaptation to
Climate Change,
including Societal
Transformation**

2



Cancer

3



**Healthy Oceans,
Seas, Coastal and
Inland Waters**

4



**Climate-Neutral and
Smart Cities**

5



**Soil Health and
Food**

NCP



National EU-node



NCP

National contact points

Answers questions on Horizon Europe

Helps to find matching calls and topics

Legal and financial advice

Spreads information

Strategic advice

Information from SE system to EC
via NCP networks, experts and PC



Nadine Schweizer

Vinnova – Swedish Innovation Agency

National contact point for Horizon Europe Cluster 1 - Health

Horizon Europe Cluster 6 - Food, Bioeconomy, Natural resources, Agriculture and Environment

nadine.schweizer@vinnova.se

+46 8 473 30 99

Find all NCPs on [Vinnova's contact website](#).

Horizon Europe summarized on [Vinnova's website](#) and on the [EC website](#).

Pre-published work programme draft for [Cluster 1 - Health](#)

[EC seminar](#) on proposal writing 21 April 2021