Health Funding Opportunities in Horizon Europe

Presented by your UK National Contact Points for Horizon Europe Health
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Jo Frost - contact for industry (ncp-health@innovateuk.ukri.org)
If you are from another sector (e.g. Charity, Government, NHS) please copy both Jo and Katie into your email

Please sign up for our newsletter by emailing ncp-health@innovateuk.ukri.org for the latest Horizon Europe opportunities news
KTN & UK Health NCP website including calls and events information available here

PLEASE NOTE – THE WEBINAR MAY BE RECORDED

Info based on DRAFT Work Programme and is subject to change
Slides happily shared!
Agenda

• Introduction to Horizon Europe and the UK’s Association
• Health Funding Opportunities
  • Health Cluster
  • Health Cluster’s Partnerships
  • Elsewhere in Horizon Europe
• How to get started
• National Contact Point (NCP) Support Available to Applicants
• Q&A
What is a National Contact Point (NCP)?

**UK NCP network:** Team of sector specific public servants whose role it is to provide free support to UK participants to Horizon Europe.

**International NCP network:** support in Europe and the rest of the World.

NCP services vary in each country/sector, but typically include:

- **Informing, awareness raising** – on Horizon Europe and other EU programmes
- **Assisting, advising and training** – to improve the quality of Horizon Europe proposals
- **Signposting and cooperation** – direct to relevant support and work with each other to support consortium development
Introduction to Horizon Europe and the UK’s Association
European Framework Programmes

- EU research and innovation funding programmes (FPs)
- Began in 1984 and each lasts for 7 years

**Horizon 2020** ran from 2014 until 2020

- The previous Framework Programme (FP) with a total budget of €80 billion.

**Horizon Europe** will run 2021 to 2027

- The 9th FP and successor to Horizon 2020 with a **€95.5 billion budget**
- Work Programmes due to be published in May 2021 (tbc) although a few calls have already been launched.
The UK has agreed to associate to Horizon Europe

UK entities will have **equivalent participation rights** to those from Member States*

* **Only two very rare** exceptions:
  - The equity fund part of the EIC Accelerator, as the UK decided not to take part in this (the UK can still take part in the rest of the EIC including the grants part of the EIC Accelerator)
  - Work Programme level exclusions only in exceptional and justifiable cases (e.g. some Defence & Security)

UK entities **can lead projects as coordinator**

UK experts **can continue to take part in peer review** (register as an expert [here](#))

The UK can also still participate in the **governance** of Horizon Europe (e.g. Programme Committees)

There will be no role for UK Government or UKRI in the application or grant management process
UK ‘Association’ means continued UK participation

EU confirmation of UK participation

European Commission Q&A on the UK’s Participation in Horizon Europe

“UK participants will have the same rights as EU participants…”

“UK entities are eligible for funding at the same rates and under the same conditions”

“They can lead project consortia”

Can UK entities take part in the first calls for proposals of Horizon Europe?

Yes. UK entities including universities, research centres, scientists, innovative businesses, industry, etc. will have full rights to participate in the first calls for proposals of Horizon Europe as soon as they are published on the European Commission’s website.

This is also true for calls which may be published before the adoption of the Horizon Europe Regulation, such as early COVID-19 calls or those of the European Research Council (ERC) and the European Innovation Council (EIC), apart from the EIC Fund (see below).

In duly justified exceptional cases, restrictions may apply and these will be clearly specified in the calls for proposals.

The ‘Associated Countries’ concept is not new

• Horizon 2020 had 16 Associated Countries: Albania, Armenia, Bosnia and Herzegovina, Faroe Islands, Georgia, Iceland, Israel, Moldova, Montenegro, North Macedonia, Norway, Serbia, Switzerland, Tunisia, Turkey, Ukraine

• Horizon Europe Associated Countries: exact list is tbc
Horizon Europe structure

THREE PILLARS FOR IMPLEMENTATION

Pillar I
EXCELLENT SCIENCE

Pillar II
GLOBAL CHALLENGES & EUROPEAN INDUSTRIAL COMPETITIVENESS

Pillar III
INNOVATIVE EUROPE

€24.9bn

€95.5bn total funding agreed for 2021-2027

€53.8bn

Budget figures exclude UK and other Associate Country contributions so will be higher

Others likely to associate include Switzerland, Norway & Israel

Canada, Japan, Australia etc. Interested status (TBC)

European Research Council

Marie Skłodowska-Curie

Research Infrastructures

Clusters

- Health

- Culture, Creativity & Inclusive Society
- Civil Security for Society
- Digital, Industry & Space
- Climate, Energy & Mobility
- Food, Bioeconomy, Natural Resources, Agriculture & Environment

Joint Research Centre**

European Innovation Council

European innovation ecosystems

European Institute of Innovation & Technology*

WIDENING PARTICIPATION AND STRENGTHENING THE EUROPEAN RESEARCH AREA

Widening participation & spreading excellence

Reforming & Enhancing the European R&I system

Horizon Europe Webinars
Intro to Horizon Europe: recording, slides, FAQs
Overview of Horizon Europe Clusters - Webinar Series

For info on opportunities for Health researchers across Horizon Europe see the ‘related funding’ section here
Project Types (in Health Cluster)

Research and innovation actions (RIA)
- Activities aiming primarily to **establish new knowledge or to explore the feasibility** of a new or improved technology, product, process, service or solution.
- May include basic and applied research, technology development and integration, testing, demonstration and validation on a small-scale prototype in a laboratory or simulated environment.

Innovation actions (IA)
- Activities directly aimed at **producing plans and arrangements or designs** for new, altered or improved products, processes or services
- Possibly including prototyping, testing, demonstrating, piloting, large-scale product validation and market replication.

Coordination and support actions (CSA)
- Activities contributing to the objectives of the Horizon Europe Programme, excluding R&I activities (with some exceptions – see the General Annexes to the Work Programme)

- Pre-commercial procurement actions (PCP)
- Public procurement of innovative solutions actions (PPI)

Main Types of Project
- **RIA** – all participants receive **100%** of (eligible direct costs + indirect costs at flat rate of 25% of direct costs*). Page limit usually 45 pages
- **IA** – for profit participants receive **70%** of (eligible direct costs + indirect costs at flat rate of 25% of direct costs*). Page limit usually 45 pages – non-profit organisations receive **100%** of (eligible direct costs + indirect costs at flat rate of 25% of direct costs*).
- **CSA** – all participants receive **100%** of (eligible direct costs + indirect costs at flat rate of 25% of direct costs*). Page limit usually 30 pages

*indirect costs are a flat rate of 25% of the total eligible direct costs, excluding eligible direct costs for subcontracting, financial support to third parties and any unit costs or lump sums which include indirect costs
A portfolio of actions across disciplines intended to achieve a **bold and 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.
Missions: Cancer Mission

Progress so far

- The Cancer ‘Mission Board’ interim report ‘Conquering cancer, mission possible’ (Sept 2020)
  - Proposes an ambitious goal “By 2030, more than 3 million lives saved, living longer and better”
  - Five intervention areas (+ cross cutting actions)
  - Plus 13 recommendations

Next steps

- Missions are currently in a preparatory phase
- Further detail from the Commission in July (which missions to move into the next phase)
- The Horizon Europe work programmes will be updated (in Q4?) to include calls for the selected missions - first funding for preparatory activities to help shape future Missions
Eligibility and funding rates

Eligibility

Eligibility for funding is usually (unless otherwise stated in the call):

- Any type of legal entity established in EU Member State (MS) or Associated Country (AC)
- Legal entities from many Low & Middle Income Countries (LMICs) if country listed in the Horizon Europe Programme Guide
- International European research organisations
- You can also get funding for organisations in other higher income countries occasionally:
  - If it is specified in your call topic, or
  - If their participation is essential for the project.

Info based on DRAFT Work Programme, so is subject to change
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- Legal entities from outside EU MS/AC (known as ‘third countries’) can often participate too, although they would normally need to fund their own participation unless one of the above exceptions applies

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Minimum consortium size

- Collaborative projects (incl. RIAs, IAs): Usually a consortium must have a minimum of 3 independent legal entities, each established in different EU Member States (MS) or Associated Countries (AC), with at least 1 of them established in a MS
- Coordination & Support Actions: One or more legal entities, which may be established in a MS, AC, or in exceptional cases and if provided for in the specific call conditions, in another third country.

Info based on DRAFT Work Programme, so is subject to change
How to apply

For Pillar 2:

**Award Criteria**

- Excellence
- Impact
- Quality and Efficiency of implementation

- The [Work Programme 2021-2022 General Annexes](#) are essential reading for applicants.
  - Info on submission, page limits, eligibility, project types, peer review criteria, evaluation, TRL levels and more
- Proposal submission and grant management – all electronically, via the [EU portal](#)
Health Funding Opportunities in the Health Cluster

Info based on DRAFT Work Programme and is subject to change

Slides happily shared!
Health Cluster

THE PAST: Horizon 2020 Health Challenge
• €5.45 billion funding awarded
• €791 million (15%) to the UK
  • incl. €113m to UK for profit orgs
• 1450 UK participations (of which 399 for profit orgs)

THE FUTURE: Horizon Europe Health Cluster
• €8.3 billion funding available

Key Opportunities
• Not just for work with the EU, also funding for:
  • Associated countries
  • Many low and middle income countries
• European Partnerships
• Cancer Mission

Data Source: EU Horizon Dashboard, 18 Jan 2021
Health Cluster 2021-2022 Work Programme ~€1.75 billion

- Draft Health Work Programme for 2021-2022 published 12/3/21, remains subject to change.
- Divided into six ‘destinations’ [research themes], each containing a number of topics [funding opportunities]

1. Staying healthy in a rapidly changing society (€289 million)
2. Living and working in a health-promoting environment (€350 million)
3. Tackling diseases and reducing disease burden (€489.5 million)
4. Ensuring access to innovative, sustainable and high-quality healthcare (€289 million)
5. Unlocking the full potential of new tools, technologies and digital solutions for a healthy society (€270 million)
6. Maintaining an innovative, sustainable and globally competitive health related industry (€113 million)

- Deadlines (tbc): 21 Sept 2021, 1 Feb 2022 or 21 April 2022, dependent on topic
Health Cluster
Destination 1 - Staying healthy in a rapidly changing society

Focus: new evidence, methodologies and tools to understand the transition from health to disease, preventing disease and promoting health

Expected impacts:

- Promotion of healthier lifestyles, behaviours and environments
- Innovative evidence-based services, policies and guidelines
- Accessible, equitable and effective co-designed digital solutions
- Collaborations across sectors and with other Horizon Europe clusters to transform the healthcare systems from reacting to illness to proactively promoting health and preventing disease
## Health Cluster
### Destination 1 - Staying healthy in a rapidly changing society

2021 funding opportunities

<table>
<thead>
<tr>
<th>Call: Staying Healthy (2021)</th>
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</thead>
<tbody>
<tr>
<td>HORIZON-HLTH-2021...</td>
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<tr>
<td>STAYHLTH-01-03</td>
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<table>
<thead>
<tr>
<th>Topic Title</th>
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<tbody>
<tr>
<td>Healthy Citizens 2.0 – Supporting digital empowerment and health literacy of citizens</td>
<td>CSA</td>
<td>3</td>
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</tr>
</tbody>
</table>

The Work Programme 2021-2022 General Annexes explains type of action (pages 8-10)

Info based on DRAFT Work Programme, so is subject to change
## Call: Staying Healthy (2021) - €69 million

<table>
<thead>
<tr>
<th>HORIZON-HLTH-2021...</th>
<th>Topic Title</th>
<th>Type of Action</th>
<th>Overall Budget (EUR million)</th>
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</tr>
</thead>
<tbody>
<tr>
<td>STAYHLTH-01-02</td>
<td>Towards a molecular and neurobiological understanding of mental health and mental illness for the benefit of citizens and patients</td>
<td>RIA</td>
<td>60</td>
<td>10</td>
<td>6</td>
</tr>
<tr>
<td>STAYHLTH-01-03</td>
<td>Healthy Citizens 2.0 – Supporting digital empowerment and health literacy of citizens</td>
<td>CSA</td>
<td>3</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>STAYHLTH-01-04</td>
<td>A roadmap for personalised prevention</td>
<td>CSA</td>
<td>3</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>STAYHLTH-01-05</td>
<td>Mobilising a network of National Contact Points (NCPs) for the Health Cluster</td>
<td>CSA</td>
<td>3</td>
<td>3</td>
<td>1</td>
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Launch: tbc

Deadline (single stage): 21 Sept 2021?

**Info based on DRAFT Work Programme, so is subject to change**
## Call: Staying Healthy (Two stage 2022) - €170 million

<table>
<thead>
<tr>
<th>HORIZON-HLTH-2022...</th>
<th>Topic Title</th>
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<th>Overall Budget (EUR million)</th>
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</thead>
<tbody>
<tr>
<td>STAYHLTH-01-01-two-stage</td>
<td>Boosting mental health in Europe in times of change</td>
<td>RIA</td>
<td>50</td>
<td>7</td>
<td>7</td>
</tr>
<tr>
<td>STAYHLTH-01-04-two-stage</td>
<td>Trustworthy artificial intelligence (AI) tools to predict the risk of chronic non-communicable diseases and/or their progression</td>
<td>RIA</td>
<td>60</td>
<td>6</td>
<td>10</td>
</tr>
<tr>
<td>STAYHLTH-01-05-two-stage</td>
<td>Prevention of obesity throughout the life course</td>
<td>RIA</td>
<td>60</td>
<td>10</td>
<td>6</td>
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</table>

Launch: 6 Oct 2021?
Deadlines: 1 Feb 2022? (first stage) / 6 Sept 2022? (second stage)

## Call: Staying Healthy (Single stage 2022) - €50 million

<table>
<thead>
<tr>
<th>HORIZON-HLTH-2022...</th>
<th>Topic Title</th>
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<th>Overall Budget (EUR million)</th>
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</thead>
<tbody>
<tr>
<td>STAYHLTH-02-01</td>
<td>Personalised blueprint of chronic inflammation in health-to-disease transition</td>
<td>RIA</td>
<td>50</td>
<td>7</td>
<td>7</td>
</tr>
</tbody>
</table>

Launch: 6 Oct 2021?
Deadline (single stage): 21 Apr 2022?

Info based on DRAFT Work Programme, so is subject to change
The environment we live and work in has direct or indirect and beneficial or adverse impacts on human health and well being. It is a major determinant of health and well being.

Expected impacts:

• knowledge to identify and assess the risks and benefits for health of living and working environments to enable the design of health promoting and disease preventive policy actions and dissemination of best practices

• solid scientific evidence and uptake of research results
  • into relevant environmental, occupational, social, economic, fiscal and health policies at EU, national and regional level

• new / improved health interventions, technologies, tools and services for care and health
### Health Cluster

**Destination 2 - Living and working in a health-promoting environment**

#### 2021 funding opportunities

**Call: Environment and health (2021) - €130 million**

<table>
<thead>
<tr>
<th>HORIZON-HLTH-2021...</th>
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<tbody>
<tr>
<td>ENVHLTH-02-01</td>
<td>Exposure to electromagnetic fields (EMF) and health</td>
<td>RIA</td>
<td>30</td>
<td>8</td>
<td>4</td>
</tr>
<tr>
<td>ENVHLTH-02-02</td>
<td>Indoor air quality and health</td>
<td>RIA</td>
<td>40</td>
<td>8</td>
<td>5</td>
</tr>
<tr>
<td>ENVHLTH-02-03</td>
<td>Health impacts of climate change costs and benefits of action and inaction</td>
<td>RIA</td>
<td>60</td>
<td>10</td>
<td>6</td>
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</tbody>
</table>

**Call: Partnerships in Health (2021) - €200 million**

<table>
<thead>
<tr>
<th>HORIZON-HLTH-2021...</th>
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</thead>
<tbody>
<tr>
<td>ENVHLTH-03-01</td>
<td>European partnership for the assessment of risks from chemicals (PARC)</td>
<td>COFUND</td>
<td>200</td>
<td>200</td>
<td>1</td>
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</tbody>
</table>

Launch: tbc

Deadline (single stage): 21 Sept 2021?

Info based on DRAFT Work Programme, so is subject to change
## Health Cluster
### Destination 2 - Living and working in a health-promoting environment

#### 2022 funding opportunities

**Call:** Environment and health (Single stage 2022) - €20 million

<table>
<thead>
<tr>
<th>HORIZON-HLTH-2022...</th>
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</thead>
<tbody>
<tr>
<td>ENVHLTH-04-01</td>
<td>Methods for assessing health-related costs of environmental stressors</td>
<td>RIA</td>
<td>20</td>
<td>4</td>
<td>5</td>
</tr>
</tbody>
</table>

Launch: 6 Oct 2021?
Deadline (single stage): 21 Apr 2022?

Info based on DRAFT Work Programme, so is subject to change
Health Cluster
Destination 3 - Tackling diseases and reducing disease burden

Expected impacts:

• For health burden of diseases in the EU and worldwide to be reduced through effective disease management, including through the development and integration of innovative diagnostic and therapeutic approaches, personalised medicine approaches, digital and other people-centres solutions for health and care

• Patients should be diagnosed early and accurately and receive effective cost-efficient and affordable treatment, including for rare diseases

• Premature mortality from non-communicable diseases reduced by one third by 2030

• Health care systems should be better prepared to respond to health emergencies

• Patients and citizens should be knowledgeable about disease threats, involved and empowered to make and shape decisions for their health
**Health Cluster**

**Destination 3 - Tackling diseases and reducing disease burden**

2021 funding opportunities

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**Call: Tackling Diseases (2021) - €262.50 million**

<table>
<thead>
<tr>
<th>HORIZON-HLTH-2021...</th>
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</thead>
<tbody>
<tr>
<td>DISEASE-04-01</td>
<td>Improved supportive, palliative, survivorship and end-of-life care of cancer patients</td>
<td>RIA</td>
<td>50</td>
<td>6</td>
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<tr>
<td>DISEASE-04-02</td>
<td>Building a European innovation platform for the repurposing of medicinal products</td>
<td>RIA</td>
<td>50</td>
<td>25</td>
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<tr>
<td>DISEASE-04-03</td>
<td>Innovative approaches to enhance poverty related diseases research in sub-Saharan Africa</td>
<td>RIA</td>
<td>40</td>
<td>8</td>
<td>5</td>
</tr>
<tr>
<td>DISEASE-04-04</td>
<td>Clinical validation of artificial intelligence (AI) solutions for treatment &amp; care</td>
<td>RIA</td>
<td>60</td>
<td>6</td>
<td>10</td>
</tr>
<tr>
<td>DISEASE-04-07</td>
<td>Personalised medicine and infectious diseases: understanding the individual host response to viruses (e.g. SARS-CoV-2)</td>
<td>CSA</td>
<td>60</td>
<td>7</td>
<td>9</td>
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<tr>
<td>DISEASE-04-05</td>
<td>A roadmap towards the creation of the European partnership on One Health antimicrobial resistance (OH AMR)</td>
<td>CSA</td>
<td>0.5</td>
<td>0.5</td>
<td>1</td>
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<tr>
<td>DISEASE-04-06</td>
<td>Building a European partnership for pandemic preparedness</td>
<td>CSA</td>
<td>2</td>
<td>2</td>
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</table>

Info based on DRAFT Work Programme, so is subject to change

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Launch: tbc

Deadline (single stage): 21 Sept 2021?
# Health Cluster

## Destination 3 - Tackling diseases and reducing disease burden

### 2022 funding opportunities

**Call:** Tackling diseases (Two stage 2022) - €160 million

<table>
<thead>
<tr>
<th>HORIZON-HLTH-2022...</th>
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<tbody>
<tr>
<td>DISEASE-06-02-two-stage</td>
<td>Pre-clinical development of the next generation of immuno-therapies for diseases or disorders with unmet medical needs</td>
<td>RIA</td>
<td>60</td>
<td>6</td>
<td>10</td>
</tr>
<tr>
<td>DISEASE-06-03-two-stage</td>
<td>Vaccines 2.0 - developing the next generation of vaccines</td>
<td>RIA</td>
<td>40</td>
<td>8</td>
<td>5</td>
</tr>
<tr>
<td>DISEASE-06-04-two-stage</td>
<td>Development of new effective therapies for rare diseases</td>
<td>RIA</td>
<td>60</td>
<td>8</td>
<td>8</td>
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</tbody>
</table>

**Launch:** 6 Oct 2021?

**Deadlines:** 1 Feb 2022? (first stage) / 6 Sept 2022? (second stage)

**Info based on DRAFT Work Programme, so is subject to change**

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**Call:** Tackling diseases (Single stage 2022) - €37 million

<table>
<thead>
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<th>HORIZON-HLTH-2022...</th>
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<tr>
<td>DISEASE-07-02</td>
<td>Pandemic preparedness – Placeholder</td>
<td>RIA</td>
<td>10</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>DISEASE-07-03</td>
<td>Non-communicable diseases risk reduction in adolescence and youth</td>
<td>RIA</td>
<td>25</td>
<td>3</td>
<td>8</td>
</tr>
<tr>
<td>DISEASE-07-01</td>
<td>Support for the functioning of the Global Research Collaboration for Infectious Disease Preparedness (GloPID-R)</td>
<td>CSA</td>
<td>2</td>
<td>2</td>
<td>1</td>
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**Launch:** 6 Oct 2021?

**Deadline (single stage):** 21 April 2022?

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**Call:** Partnerships in Health (2022) - €30 million

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<tbody>
<tr>
<td>DISEASE-03-01</td>
<td>European partnership fostering a European Research Area (ERA) for health research</td>
<td>COFUND</td>
<td>30</td>
<td>30</td>
<td>1</td>
</tr>
</tbody>
</table>

**Launch:** 6 Oct 2021?

**Deadline (single stage):** 21 April 2022?
Expected impacts:

- Health and social care services and systems that have improved governance and are more effective, efficient, accessible, resilient, trusted and sustainable, with health promotion and disease prevention at their heart.
- Health care providers that are trained and equipped with the skills and competencies suited to the future needs of health care systems.
- People enabled to play a key role in managing their own health and care and specific needs of more vulnerable groups are recognised and addressed.
- People can also benefit from improved access to health care services, including safe, effective and affordable essential medicines and vaccines.
## Health Cluster
### Destination 4 - Ensuring access to innovative, sustainable and high-quality health care

2021 funding opportunities

### Call: Ensuring access to innovative, sustainable and high-quality health care (2021) - €70 million

<table>
<thead>
<tr>
<th>HORIZON-HLTH-2021...</th>
<th>Topic Title</th>
<th>Type of Action</th>
<th>Overall Budget (EUR million)</th>
<th>Expected EU Contribution per Project (EUR million)</th>
<th>Expected no. of Projects funded</th>
</tr>
</thead>
<tbody>
<tr>
<td>CARE-05-01</td>
<td>Enhancing quality of care and patient safety</td>
<td>RIA</td>
<td>25</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>CARE-05-02</td>
<td>Data-driven decision-support tools for better health care delivery and policy-making with a focus on cancer</td>
<td>RIA</td>
<td>40</td>
<td>10</td>
<td>4</td>
</tr>
<tr>
<td>CARE-05-04</td>
<td>Health care innovation procurement network</td>
<td>CSA</td>
<td>5</td>
<td>5</td>
<td>1</td>
</tr>
</tbody>
</table>

Launch: tbc
Deadline (single stage): 21 Sept 2021?

Info based on DRAFT Work Programme, so is subject to change
## Destination 4 - Ensuring access to innovative, sustainable and high-quality health care

### 2022 funding opportunities

**Call:** Ensuring access to innovative, sustainable and high-quality health care (Single stage 2022) - €70 million  
**Launch:** 6 Oct 2021  
**Deadline (single stage):** 21 April 2022

<table>
<thead>
<tr>
<th>HORIZON-HLTH-2022...</th>
<th>Topic Title</th>
<th>Type of Action</th>
<th>Overall Budget (EUR million)</th>
<th>Expected EU contribution per Project (EUR million)</th>
<th>Expected no. of Projects funded</th>
</tr>
</thead>
<tbody>
<tr>
<td>CARE-08-02</td>
<td>Pre-commercial research and innovation procurement (PCP) for building the resilience of health care systems in the context of recovery</td>
<td>PCP</td>
<td>25</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>CARE-08-03</td>
<td>Public procurement of innovative solutions (PPI) for building the resilience of health care systems in the context of recovery</td>
<td>PPI</td>
<td>15</td>
<td>5</td>
<td>3</td>
</tr>
<tr>
<td>CARE-08-04</td>
<td>Better economic foresight, financial planning, and procurement/contractual strategies for health systems</td>
<td>RIA</td>
<td>30</td>
<td>5</td>
<td>6</td>
</tr>
</tbody>
</table>

**Call:** Partnerships in Health (2022) - €100 million  
**Launch:** 6 Oct 2021  
**Deadline (single stage):** 21 April 2022

<table>
<thead>
<tr>
<th>HORIZON-HLTH-2022...</th>
<th>Topic Title</th>
<th>Type of Action</th>
<th>Overall Budget (EUR million)</th>
<th>Expected EU contribution per Project (EUR million)</th>
<th>Expected no. of Projects funded</th>
</tr>
</thead>
<tbody>
<tr>
<td>CARE-10-01</td>
<td>European partnership on transforming health and care systems</td>
<td>COFUND</td>
<td>100</td>
<td>100</td>
<td>1</td>
</tr>
</tbody>
</table>
Expected impacts:

- Contribute to Europe’s scientific and technological expertise and know-how, its capabilities for innovation in new tools, technologies and digital solutions and its ability to take-up, scale-up and integrate innovation in health and care.

- Enable researchers, innovators and health care providers to use health data and AI-supported decision-making in a secure, ethical, acceptable and trustworthy manner.

- Citizens should benefit from targeted and faster research resulting in safer, more efficient, cost-effective and affordable tools, technologies and digital solutions for effective personalised disease preventions, diagnosis, treatment and monitoring for better patient outcome and well-being, in particular through increasingly shared health resources.
# Health Cluster

**Destination 5 - Unlocking the full potential of new tools, technologies & digital solutions for a healthy society**

2021 funding opportunities

## Call: **Tools and technologies for a healthy society (Single stage 2021)** – €115 million

<table>
<thead>
<tr>
<th>HORIZON-HLTH-2021…</th>
<th>Topic Title</th>
<th>Type of Action</th>
<th>Overall Budget (EUR million)</th>
<th>Expected EU Contribution per Project (EUR million)</th>
<th>Expected no. of Projects funded</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOOL-06-01</td>
<td><strong>Smart medical devices and their surgical implantation</strong>&lt;br&gt;for use in resource-constrained settings</td>
<td>IA</td>
<td>25</td>
<td>6</td>
<td>4</td>
</tr>
<tr>
<td>TOOL-06-02</td>
<td><strong>Next generation advanced therapies</strong>&lt;br&gt;to treat highly prevalent and high burden diseases&lt;br&gt;with unmet medical needs</td>
<td>RIA</td>
<td>60</td>
<td>6</td>
<td>10</td>
</tr>
<tr>
<td>TOOL-06-03</td>
<td><strong>Innovative tools for use and re-use of health data</strong>&lt;br&gt;(in particular of electronic health records and/or patient registries)</td>
<td>RIA</td>
<td>30</td>
<td>8</td>
<td>4</td>
</tr>
</tbody>
</table>

Launch: tbc

Deadline (single stage): 21 Sept 2021?

Info based on DRAFT Work Programme, so is subject to change
### Health Cluster

**Destination 5 - Unlocking the full potential of new tools, technologies & digital solutions for a healthy society**

#### 2022 funding opportunities

**Call:** Tools and technologies for a healthy society (Single stage 2022) – €95 million

<table>
<thead>
<tr>
<th>HORIZON-HLTH-2022...</th>
<th>Topic Title</th>
<th>Type of Action</th>
<th>Overall Budget (EUR million)</th>
<th>Expected EU contribution per Project (EUR million)</th>
<th>Expected no. of Projects funded</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOOL-11-01</td>
<td>Optimising effectiveness in patients of existing prescription drugs for major diseases (except cancer) with the use of biomarkers</td>
<td>RIA</td>
<td>60</td>
<td>10</td>
<td>6</td>
</tr>
<tr>
<td>TOOL-11-02</td>
<td>New methods for the effective use of real-world data and/or synthetic data in regulatory decision-making and/or in health technology assessment</td>
<td>RIA</td>
<td>35</td>
<td>7</td>
<td>5</td>
</tr>
</tbody>
</table>

**Call:** Tools and technologies for a healthy society (Two stages 2022) – €60 million

<table>
<thead>
<tr>
<th>HORIZON-HLTH-2022...</th>
<th>Topic Title</th>
<th>Type of Action</th>
<th>Overall Budget (EUR million)</th>
<th>Expected EU contribution per Project (EUR million)</th>
<th>Expected no. of Projects funded</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOOL-12-01-two-stage</td>
<td>Computational models for new patient stratification strategies</td>
<td>RIA</td>
<td>60</td>
<td>6</td>
<td>10</td>
</tr>
</tbody>
</table>

*Info based on DRAFT Work Programme, so is subject to change*
Health Cluster
Destination 6 - Maintaining an innovative, sustainable and globally competitive health industry

Expected impacts:

- **Health industry should be more competitive, sustainable and growing,**
  - providing high-value jobs and contributing to economic growth, in particular SMEs,
  - by tapping into **new markets** and
  - providing European **leadership on health technologies and innovations**

- **Citizens, health care providers and health systems** should benefit from **swift uptake of innovative health technologies and services** offering significant improvements

- **Health industry should work more effectively along the value chain**
  - from the identification of needs to the scale-up of solutions
  - at **national, regional and local level**
  - including through **early engagement with all stakeholders** to ensure suitability and acceptance of solutions
## Call: A competitive health-related industry (2021) - €44 million

<table>
<thead>
<tr>
<th>HORIZON-HLTH-2021...</th>
<th>Topic Title</th>
<th>Type of Action</th>
<th>Overall Budget (EUR million)</th>
<th>Expected EU Contribution per Project (EUR million)</th>
<th>Expected no. of Projects funded</th>
</tr>
</thead>
<tbody>
<tr>
<td>IND-07-01</td>
<td>Green pharmaceuticals</td>
<td>RIA</td>
<td>40</td>
<td>8</td>
<td>5</td>
</tr>
<tr>
<td>IND-07-02</td>
<td>Development, procurement and responsible management of new antimicrobials</td>
<td>CSA</td>
<td>2</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>IND-07-03</td>
<td>Promoting a trusted mHealth label in Europe: uptake of technical specifications for quality and reliability of health and wellness apps</td>
<td>CSA</td>
<td>2</td>
<td>2</td>
<td>1</td>
</tr>
</tbody>
</table>

Launch: tbc
Deadline (single stage): 21 Sept 2021?

Info based on DRAFT Work Programme, so is subject to change
**Health Cluster**

**Destination 6 - Maintaining an innovative, sustainable and globally competitive health industry**

2022 funding opportunities

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**Call: A competitive health-related industry (2022) - €69 million**

<table>
<thead>
<tr>
<th>HORIZON-HLTH-2022...</th>
<th>Topic Title</th>
<th>Type of Action</th>
<th>Overall Budget (EUR million)</th>
<th>Expected EU contribution per Project (EUR million)</th>
<th>Expected no. of Projects funded</th>
</tr>
</thead>
<tbody>
<tr>
<td>IND-13-01</td>
<td>Enhancing cybersecurity of connected medical devices</td>
<td>RIA</td>
<td>20</td>
<td>6</td>
<td>3</td>
</tr>
<tr>
<td>IND-13-02</td>
<td>Scaling up multi-party computation, data anonymisation techniques, and synthetic data generation</td>
<td>RIA</td>
<td>30</td>
<td>7</td>
<td>4</td>
</tr>
<tr>
<td>IND-13-03</td>
<td>New pricing and payment models for cost-effective and affordable health innovations</td>
<td>RIA</td>
<td>15</td>
<td>5</td>
<td>3</td>
</tr>
<tr>
<td>IND-13-04</td>
<td>Setting up a European Smart Health Innovation Hub</td>
<td>CSA</td>
<td>2</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>IND-13-05</td>
<td>Setting up a European Electronic Health Record Exchange Format (EEHRxF) Ecosystem</td>
<td>CSA</td>
<td>2</td>
<td>2</td>
<td>1</td>
</tr>
</tbody>
</table>

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Launch: 6 Oct 2021?  
Deadline (single stage): 21 April 2022?

Info based on DRAFT Work Programme, so is subject to change
Health Funding Opportunities in the Health Cluster’s Partnerships

Info based on DRAFT Work Programme and is subject to change
Slides happily shared!
Horizon Europe – Health - Partnerships

Partnerships bring together the European Commission and private and/or public partners together to tackle pressing challenges

- 9 European ‘Partnerships’ in Health are proposed for the first half of Horizon Europe (with further partnerships in later years)

Institutionalised Partnerships

- These partnerships (once established by the European Commission) will hold calls for proposals. First calls are expected ~Q4 of 2021.
  - Innovative Health Initiative - successor to the Innovative Medicines Initiative - but also broadened to include prevention, diagnostics, treatment and disease management incl. Pharma, Biotech, MedTech, Vaccines, Radiological, Electromedical and the Healthcare IT Industry. Subscribe to the IMI newsletter here.

Data Source: IMI Website, 13 May 2021
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  - EU-Africa Global Health (EDCTP3) - to reduce the burden of infectious diseases & strengthen research capacities. [Newsletter](#).
  - UK based orgs. are eligible for funding from calls by the Innovative Health Initiative (IMI3) and Global Health Partnership (EDCTP3)

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**Country involvement in EDCTP projects**

2014-2019

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Data Source: [EDCTP Website](#), 13 May 2021
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Co-funded Partnerships
• Jointly funded calls where the EU partners with research funders and other public authorities in some MS/AC/other countries.
  • Preparatory work (e.g. CSA for some partnerships)
  • Partnership of research funders established (by call in Work Programme)
  • Partnership holds joint calls (researchers and innovators can apply for funding)
  • Countries involved depend on each partnership (and call) so UK eligibility for calls run by each Health Co-funded partnership is tbc.
    • Chemicals Risk Assessment
    • European Partnership – European Research Area (ERA) for Health Research
    • Health and Care Systems Transformation
    • Personalised Medicine
    • One Health/AMR Antimicrobial Resistance (AMR)
    • Rare Diseases
    • Pandemic Preparedness (new)
<table>
<thead>
<tr>
<th>European Partnership on</th>
<th>Info</th>
<th>Related 2021/2022 Work Programme Topics</th>
<th>Work Programme Year</th>
<th>Partnership Start Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assessment of Risk of Chemicals (PARC) (replaces EJP Human Biomonitoring)</td>
<td>Draft proposal</td>
<td><strong>Partnership establishment:</strong> HORIZON-HLTH-2021-ENVLTH-03-01: European Partnership for the Assessment of Risks from Chemicals (PARC) Cofund with EC contribution of €200 million</td>
<td>2021</td>
<td>2022</td>
</tr>
<tr>
<td>Transforming Health &amp; Care Systems (replaces AAL, JPI Ageing...)</td>
<td>Draft proposal</td>
<td><strong>Partnership establishment:</strong> HORIZON-HLTH-2022-CARE-10-01: European Partnership on Transforming Health and Care Systems Cofund with EC contribution of €100 million</td>
<td>2022</td>
<td>2023</td>
</tr>
<tr>
<td>Fostering a European Research Area (ERA) for Health (replaces ERA-CVD, EuroNanoMed, JPI HDHL)</td>
<td>Draft proposal (May 2019)</td>
<td><strong>Partnership establishment:</strong> HORIZON-HLTH-2022-DISEASE-03-01: European Partnership Fostering an ERA for Health research – Placeholder Cofund with EC contribution of €30 million for initial stage? This partnership might deploy large scale investigator initiated clinical studies (tbc)</td>
<td>2022?</td>
<td>?</td>
</tr>
<tr>
<td>Personalised Medicine (replaces ICPerMed and the linked ERA-PerMed)</td>
<td>Draft outline (May 2019)</td>
<td><strong>Preparatory work:</strong> HORIZON-HLTH-2021-STAYHLTH-01-04: A roadmap for personalised prevention</td>
<td>2023</td>
<td>2023</td>
</tr>
<tr>
<td>Rare Diseases (replaces JPI Rare Diseases, ERA-NET Rare Diseases)</td>
<td>Draft outline (May 2019)</td>
<td>?</td>
<td>2023</td>
<td>2024</td>
</tr>
<tr>
<td>One Health AMR (replaces JPI AMR, ERA-NET Rare Diseases)</td>
<td>Draft outline (May 2019)</td>
<td><strong>Preparatory work:</strong> HORIZON-HLTH-2021-DISEASE-04-05: A roadmap towards the creation of the European One Health antimicrobial resistance partnership (OH AMR)</td>
<td>2023/24</td>
<td>2024/25</td>
</tr>
<tr>
<td>Pandemic Preparedness (new initiative)</td>
<td></td>
<td><strong>Preparatory work:</strong> HORIZON-HLTH-2021-DISEASE-04-06: Building a European Research and Innovation Partnership for Pandemic Preparedness</td>
<td>?</td>
<td>?</td>
</tr>
</tbody>
</table>

**Key:**
- **Preparatory work** (e.g. CSA for some partnerships)
- **Partnership of research funders established** (by call in Work Programme)
- **Partnership holds joint calls** (researchers and innovators can apply for funding)

*Info based on DRAFT Work Programme, so is subject to change*
Uniting 28 countries to address AMR

JPIAMR: A global organisation

The European Commission (DG Research) is a full non-voting member

International collaborative platform
Aligns national research funding
Coordinates AMR research and funding on a global scale
Supports One Health perspective

Like more info? https://www.jpiamr.eu/
JPIAMR Newsletter sign-up https://www.jpiamr.eu/newsletter-subscription
Next call will be on AMR Therapeutics – Recent workshop/scoping
SRIA: Strategic Research and Innovation Agenda

**Therapeutics**
- Discovery of new antimicrobials and therapeutic alternatives, and the improvement of current antimicrobials and treatment regimens

**Diagnostics**
- Development and improvement of diagnostics to improve the use of antimicrobials and alternatives to antimicrobials

**Surveillance**
- Optimisation of surveillance systems to understand the drivers and burden of antimicrobial resistance in a One Health perspective

**Transmission**
- Understanding and preventing the transmission of antimicrobial resistance

**Environment**
- The role of the environment in the persistence, selection and spread of antimicrobial resistance

**Interventions**
- Investigation and improvement of infection prevention and control measures in One Health settings
Why look for funding outside the Health Cluster too?

- **In Horizon Europe** there are different opportunities across the programme, for example:
  - Some calls have ‘top-down’ prescribed R&I areas - you need to do exactly what the Commission wants! (e.g. Pillar 2 incl. Health Cluster)
  - Some calls are open to all R&I areas (e.g. the ERC, MSCAs, some EIC projects and COST)
  - Some calls do not require a consortium (e.g. ERC, MSCA fellowships)
  - Some calls fund networking (e.g. MSCA Staff Exchange Scheme and COST)
- **In Horizon 2020** (the EU’s Research and Innovation Programme 2014-2020):
  - 29% of projects including Health and Medical Sciences were funded in the Health Challenge
  - **71% of projects including Health and Medical Sciences were funded outside of the Health Challenge**

H2020 Funding for projects including Health & Medical Sciences
(EuroSciVoc Level 1)

- Science with and for Society: 0%
- Spreading Excellence and Widening Participation: 1%
- Cross-Theme: 1%
- Euratom Research and Training Programme: 0%
- Excellent Science: 50%
- Societal Challenges excl. Health Challenge: 7%
- Societal Challenges - Health Challenge: 29%
- Industrial Leadership: 12%
- ~29% ERC
- ~16% MSCA
- ~4% FET
- ~2% Infrastructures

Data Source: EU Horizon Dashboard, 16 Mar 21
Horizon Europe – Pillar II

• €95.5bn total funding agreed for 2021-2027
• Budget figures exclude UK and other Associate Country contributions so will be higher
• Others likely to associate include Switzerland, Norway & Israel
• Canada, Japan, Australia etc. Interested status (TBC)
**Health Cluster**

Note: Info based on DRAFT Work Programme (v6.2)

€8.3bn funding (2021-27) across 6 areas (“destinations”)
€1.75bn & 48 call topics (2021-22) as shown below

<table>
<thead>
<tr>
<th>Area</th>
<th>Funding (2021-27)</th>
<th>Projects Funded</th>
</tr>
</thead>
<tbody>
<tr>
<td>1) Staying healthy in a rapidly changing society</td>
<td>€289m</td>
<td>39</td>
</tr>
<tr>
<td>2) Living and working in a health-promoting environment</td>
<td>€350m</td>
<td>21</td>
</tr>
<tr>
<td>3) Tackling diseases and reducing disease burden</td>
<td>€490m</td>
<td>72</td>
</tr>
<tr>
<td>4) Ensuring access to innovative, sustainable and high-quality health care</td>
<td>€240m</td>
<td>25</td>
</tr>
<tr>
<td>5) Unlocking the full potential of new tools, technologies and digital solutions for a healthy society</td>
<td>€270m</td>
<td>39</td>
</tr>
<tr>
<td>6) Maintaining an innovative, sustainable and globally competitive health industry</td>
<td>€113m</td>
<td>19</td>
</tr>
</tbody>
</table>

2021 deadline: 21 September tbc
2022 deadlines: 21 April (1-stage) tbc; 1 February, 6 September (2-stage) tbc

Fair access to high quality, sustainable healthcare for all citizens. Innovative, feasible, implementable, financially sound scalable solutions (for governance, financing, human and physical resources, health services and patient empowerment)

- Tools, technologies and digital solutions for medical devices and improved health
- Consider safety, effectiveness, appropriateness, accessibility, comparative value-added and fiscal sustainability + ethical, legal and regulatory issues

- Market access of innovative tech. (medical, pharma, biotech, digital)
- Novel methods and metrics
- Support for reg. authorities
- Safe and clinically validated tools, technologies & services
- Greener pharmaceuticals and health technologies

<table>
<thead>
<tr>
<th>Health Cluster</th>
<th>€289m</th>
</tr>
</thead>
<tbody>
<tr>
<td>39 projects funded</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Health Cluster</th>
<th>€350m</th>
</tr>
</thead>
<tbody>
<tr>
<td>21 projects funded</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Health Cluster</th>
<th>€490m</th>
</tr>
</thead>
<tbody>
<tr>
<td>72 projects funded</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Health Cluster</th>
<th>€240m</th>
</tr>
</thead>
<tbody>
<tr>
<td>25 projects funded</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Health Cluster</th>
<th>€270m</th>
</tr>
</thead>
<tbody>
<tr>
<td>39 projects funded</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Health Cluster</th>
<th>€113m</th>
</tr>
</thead>
<tbody>
<tr>
<td>19 projects funded</td>
<td></td>
</tr>
</tbody>
</table>
Horizon Europe – Pillar II – Cluster 2: Culture, Creativity and Inclusive Society
Overview of 2021-2022 Work Programme (€2.28 billion 2021-2027)

### 2021 Calls
- Opening 15 April
- Deadline 1 Sept

### 2022 Calls
- Opening 20 Jan
- Deadline 20 April

#### TIMELINES

#### Destination 1: Innovative research on democracy and governance
- Future of liberal democracy
- Economic models and modern democracies
- Feminisms for a new age of democracy
- Democratic politics in the EU’s neighbourhood
- Politics and governance in a post-pandemic world
- AI, big data and democracy
- Future of democracy and civic participation
- Inequalities & democracy
- Education for democracy
- Political extremism
- Democracy, politics and media
- Global governance for a world in transition

#### Destination 2: Innovative research on European cultural heritage and the Cultural and Creative Industries
- Green technologies and materials for cultural heritage
- Participatory management & sustainable financing of museums/cultural institutions
- CCI as a driver innovation and competitiveness
- Cultural heritage & advanced digital technologies
- Endangered languages in Europe
- Traditional crafts for the future
- European music ecosystem & filmmaking industry
- Climate change & natural hazards and cultural heritage & remediation
- Games & culture shaping our society
- European Bauhaus

#### Destination 3: Innovative research on social and economic transformations
- Irregular migration
- Support in a changing world of work and social protection
- New technologies in education & training
- Changing supply chains and declining trade intensities
- Decision-making processes of migrants
- Gender & social, economic and cultural empowerment
- Inclusive labour market
- Successful development of skills matched to needs
- Racial, ethnic and religious equality
- Socio-economic effects of aging societies

#### Funding Overview
- 48 projects funded: €147M
- 42 projects funded: €131M
- 41 projects funded: €144.3M

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- 2021 Calls
  - 48 projects funded
- 2022 Calls
  - 42 projects funded
- Overall
  - 41 projects funded

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- 2021 Calls
  - 15 April
  - 1 Sept
- 2022 Calls
  - 20 Jan
  - 20 April
Horizon Europe – Pillar II
Cluster 2: Culture, Creativity and Inclusive Society
Examples (but non-exhaustive list!) of topics that may be of interest to Health researchers/innovators

2021 funding opportunities include

<table>
<thead>
<tr>
<th>HORIZON-CL2-…</th>
<th>Topic Title</th>
<th>Type of Action</th>
<th>Overall Budget (EUR million)</th>
<th>Expected EU Contribution per Project (EUR million)</th>
<th>Expected no. of Projects funded</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEMOCRACY-2021-01-07</td>
<td>Politics and governance in a post-pandemic world</td>
<td>RIA</td>
<td>7</td>
<td>1.5-2.5</td>
<td>3</td>
</tr>
<tr>
<td>TRANSFORMATIONS-2021-01-03</td>
<td>Providing support in a changing world of work and social protection</td>
<td>RIA</td>
<td>7</td>
<td>1.5-2.5</td>
<td>3</td>
</tr>
<tr>
<td>TRANSFORMATIONS-2021-01-04</td>
<td>Socio-economic effects of ageing societies</td>
<td>RIA</td>
<td>7</td>
<td>1.5-2.5</td>
<td>3</td>
</tr>
<tr>
<td>TRANSFORMATIONS-2021-01-05</td>
<td>Determining the key drivers of inequality trends</td>
<td>RIA</td>
<td>7</td>
<td>1.5-2.5</td>
<td>3</td>
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</tbody>
</table>

2022 funding opportunities include

<table>
<thead>
<tr>
<th>HORIZON-CL2-…</th>
<th>Topic Title</th>
<th>Type of Action</th>
<th>Overall Budget (EUR million)</th>
<th>Expected EU contribution per Project (EUR million)</th>
<th>Expected no. of Projects funded</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEMOCRACY-2022-01-01</td>
<td>Artificial intelligence, big data and democracy</td>
<td>RIA</td>
<td>7</td>
<td>1.5-2.5</td>
<td>3</td>
</tr>
<tr>
<td>DEMOCRACY-2022-01-07</td>
<td>Global governance for a world in transition: Norms, institutions, actors</td>
<td>RIA</td>
<td>7</td>
<td>1.5-2.5</td>
<td>3</td>
</tr>
</tbody>
</table>

Info based on DRAFT Work Programme, so is subject to change

Like more info? UK NCP anni.laihanen@esrc.ukri.org
NCPs in other countries International NCP network
Horizon Europe – Pillar II – Cluster 3: Civil Security for Society Overview of 2021-2022 Draft Work Programme (€1.6 billion 2021-2027)

**Destination 1**
Better protect the EU and its citizens against crime and terrorism
- €87M

**Destination 2**
Effective management of EU external borders
- €55.5M

**Destination 3**
Resilient infrastructure
- €31M

**Destination 4**
Increased cybersecurity
- €134.8M

**Destination 5**
A disaster resilient society for Europe
- €72M

**Destination 6**
Strengthened Security Research & Innovation
- €25.5M

**20 Projects Funded**

**2021 Calls**
- Opening 15th Apr
- Deadline 8th Sept

**2022 Calls**
- Opening 15th Mar
- Deadline 8th Sept

**TIMELINES**

**1**
- Fighting crime & terrorism using travel intelligence
- Disinformation & fake news
- Lawful use of interception technologies
- Combating firearms trafficking
- Improved access to research data to fight crime
- Domestic, sexual violence and child sexual exploitation
- Protection of public spaces
- Countering on-line identity theft
- Fighting environment crime

**2**
- Enhanced security management of borders
- Increased safety, security, performance of borders
- Improved border checks & improved traveller & staff experiences
- Advanced detection of threats & illicit goods - postal & couriers
- Improved detection of concealed objects on/within the body

**3**
- Infrastructures and autonomy safeguarded against systemic risks
- Infrastructure resilience in case of Pandemics
- Advanced security & resilience across urban mobility systems

**4**
- Business continuity & recovery methodologies - models & prediction
- Improved security connected devices
- AI for cybersecurity reinforcement
- Scalable privacy-preserving technologies - personal data

**5**
- Enhanced citizen preparedness
- Improved understanding of risk exposure & public awareness
- Integrated Disaster Risk Reduction for extreme climate events
- Enhanced assessment of disaster risks
- Improved quality assurance/control of data used in decision making
- Innovative concepts to enhance cooperation
- Partnerships to coordinate R&I efforts - climate related disasters
- Developing partnerships – first responder & capability gaps
- Dispersion models for improved decision support for CBRNE releases

**6**
- Maturity assessment framework for security technologies
- Knowledge networks for Security Research & Innovation
- Standardisation and certification schemes for security
- Demand led innovation for situation awareness in civil protection
### Horizon Europe – Pillar II

**Cluster 3: Civil Security for Society**

Examples (but non-exhaustive list!) of topics that may be of interest to Health researchers/innovators

<table>
<thead>
<tr>
<th>HORIZON-CL3-2021…</th>
<th>2021 Topic Titles</th>
<th>Type of Action</th>
<th>Overall Budget (EUR million)</th>
<th>Expected EU Contribution per Project (EUR million)</th>
<th>Expected no. of Projects funded</th>
</tr>
</thead>
<tbody>
<tr>
<td>FCT-01-07</td>
<td>Improved preparedness on attacks to public spaces</td>
<td>IA</td>
<td>3</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>FCT-01-09</td>
<td>Fight against organised environmental crime</td>
<td>IA</td>
<td>-</td>
<td>5</td>
<td>1</td>
</tr>
<tr>
<td>FCT-01-11</td>
<td>Prevention of child sexual exploitation</td>
<td>RIA</td>
<td>-</td>
<td>3</td>
<td>1</td>
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<tr>
<td>BM-01-03</td>
<td>Improved border checks for travel facilitation across external borders and improved experiences for both passengers and border authorities’ staff</td>
<td>IA</td>
<td>8</td>
<td>4</td>
<td>2</td>
</tr>
<tr>
<td>INFRA-01-02</td>
<td>Ensured infrastructure resilience in case of Pandemics</td>
<td>IA</td>
<td>-</td>
<td>10</td>
<td>1</td>
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<tr>
<td>CS-01-01</td>
<td>Dynamic business continuity and recovery methodologies based on models and prediction for multi-level Cybersecurity</td>
<td>RIA</td>
<td>21.5</td>
<td>3-5</td>
<td>5</td>
</tr>
<tr>
<td>DRS-01-01</td>
<td>Improved understanding of risk exposure and its public awareness in areas exposed to multi-hazards</td>
<td>RIA</td>
<td>5</td>
<td>5</td>
<td>1</td>
</tr>
<tr>
<td>DRS-01-03</td>
<td>Enhanced assessment of disaster risks, adaptive capabilities and scenario building based on available historical data and projections</td>
<td>RIA</td>
<td>5</td>
<td>5</td>
<td>1</td>
</tr>
<tr>
<td>DRS-01-05</td>
<td>Developing a prioritisation mechanism for research programming in standardisation related to natural hazards and/or CBRN-E* sectors</td>
<td>CSA</td>
<td>-</td>
<td>2</td>
<td>1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HORIZON-CL3-2022…</th>
<th>2022 Topic Titles</th>
<th>Type of Action</th>
<th>Overall Budget (EUR million)</th>
<th>Expected EU Contribution per Project (EUR million)</th>
<th>Expected no. of Projects funded</th>
</tr>
</thead>
<tbody>
<tr>
<td>DRS-01-03</td>
<td>Improved quality assurance / quality control of data used in decision-making related to risk management of natural hazards, accidents and CBRN* events</td>
<td>IA</td>
<td>-</td>
<td>5</td>
<td>1</td>
</tr>
<tr>
<td>DRS-01-08</td>
<td>Enhanced situational awareness and preparedness of first responders and improved capacities to minimise time-to-react in urban areas in the case of CBRN-E*-related events</td>
<td>IA</td>
<td>11</td>
<td>5</td>
<td>1</td>
</tr>
<tr>
<td>DRS-01-09</td>
<td>Enhanced capacities of first responders more efficient rescue operations, including decontamination of infrastructures in the case of a CBRN-E* event</td>
<td>IA</td>
<td>6</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

*CBRN (/CBRN-E) = chemical, biological, radiological, nuclear (and explosive) threats

Like more info? UK NCP [NCP-Security@innovateuk.ukri.org](mailto:NCP-Security@innovateuk.ukri.org)

NCPs in other countries [International NCP network](#)
Horizon Europe – Pillar II – Cluster 4: **Digital, Industry & Space**

**Key Themes** (€15.5 billion 2021-2027)

**Digital**
- AI, Data & Computing
- Photonics & Electronics
- Smart Networks & Connectivity
- Robotics
- Digital Economy

*€1.56bn – 2021/22*

**Industry**
- Circular Industries
- Resource & Energy efficiency
- Digital & Agile Manufacturing
- Sustainability by design
- Smart, Multi-functional materials (incl. Graphene, Nano & bio)

*€1.51bn – 2021/22*

**Space**
- Satellite technology
- Access to space
- Space data
- Space science
- Space robotics

*€0.31bn – 2021/22*

1st Calls:
- Deadline: 8 Sep 2021

1st Calls Open:
- Deadlines: 15 July 2021 and 29 Sept 2021

1st Calls Open:
- Deadline: 7 September 2021

NCP Digital: **Stafford Lloyd**

NCP Industry: **Abishek Ramesh**

NCP Space: **Catherine Holt**

Note: Info based on DRAFT WP
Horizon Europe – Pillar II
Cluster 4: Digital, Industry and Space
Examples (but non-exhaustive list!) of topics that may be of interest to Health researchers/innovators

2021 funding opportunities include

<table>
<thead>
<tr>
<th>HORIZON-CL4-2021...</th>
<th>Topic Title</th>
<th>Type of Action</th>
<th>Overall Budget (EUR million)</th>
<th>Expected EU Contribution per Project (EUR million)</th>
<th>Expected no. of Projects funded</th>
</tr>
</thead>
<tbody>
<tr>
<td>TWIN-TRANSITION-01-05</td>
<td>Manufacturing technologies for bio-based materials</td>
<td>RIA</td>
<td>20</td>
<td>4-6</td>
<td>4</td>
</tr>
<tr>
<td>DIGITAL-EMERGING-01-07</td>
<td>Advanced Photonic Integrated Circuits</td>
<td>RIA</td>
<td>38.4</td>
<td>3-5</td>
<td>8</td>
</tr>
<tr>
<td>DIGITAL-EMERGING-01-20</td>
<td>Quantum sensing technologies for market uptake</td>
<td>IA</td>
<td>23</td>
<td>7-10</td>
<td>3</td>
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<tr>
<td>DIGITAL-EMERGING-01-21</td>
<td>Next generation quantum sensing technologies</td>
<td>RIA</td>
<td>14</td>
<td>3-4</td>
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<tr>
<td>DIGITAL-EMERGING-01-23</td>
<td>International cooperation with Canada</td>
<td>RIA</td>
<td>4</td>
<td>2.5</td>
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<tr>
<td>DIGITAL-EMERGING-01-31</td>
<td>Functional electronics for green and circular economy</td>
<td>RIA</td>
<td>33.9</td>
<td>3-5</td>
<td>9</td>
</tr>
<tr>
<td>RESILIENCE-01-20</td>
<td>Antimicrobial, Antiviral, and Antifungal Nanocoatings</td>
<td>RIA</td>
<td>23</td>
<td>4-6</td>
<td>4</td>
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<tr>
<td>RESILIENCE-01-25</td>
<td>Biomaterials database for Health Applications</td>
<td>CSA</td>
<td>6</td>
<td>2-4</td>
<td>2</td>
</tr>
<tr>
<td>SPACE-02-52</td>
<td>EGNSS (European Global Navigation Satellite Systems) applications for Safety and Crisis management</td>
<td>IA</td>
<td>9.3</td>
<td>1.5-3</td>
<td>4</td>
</tr>
<tr>
<td>SPACE-02-53</td>
<td>EGNSS applications for the Digital Age</td>
<td>IA</td>
<td>9.3</td>
<td>1.5-3</td>
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<tr>
<td>HUMAN-01-24</td>
<td>Tackling gender, race and other biases in AI</td>
<td>RIA</td>
<td>9.8</td>
<td>3-3.5</td>
<td>3</td>
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<tr>
<td>HUMAN-01-21</td>
<td>Art-driven use experiments and design</td>
<td>RIA</td>
<td>8.4</td>
<td>2.8</td>
<td>3</td>
</tr>
</tbody>
</table>

Info based on DRAFT Work Programme, so is subject to change

Like more info? Digital Stafford Lloyd, Industry Abishek Ramesh, Space Catherine Holt
NCPs in other countries International NCP network
### Horizon Europe – Pillar II

#### Cluster 4: Digital, Industry and Space

Examples (but non-exhaustive list!) of topics that may be of interest to Health researchers/innovators

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</tr>
</thead>
<tbody>
<tr>
<td>TWIN-TRANSITION-01-01</td>
<td>Rapid reconfigurable production process chain</td>
<td>IA</td>
<td>27</td>
<td>8-10</td>
<td>3</td>
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<tr>
<td>DIGITAL-EMERGING-01-03</td>
<td>Advanced multi-sensing systems</td>
<td>RIA</td>
<td>46.7</td>
<td>3-5</td>
<td>10</td>
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<tr>
<td>DIGITAL-EMERGING-01-19</td>
<td>2D materials-based devices and systems for biomedical applications</td>
<td>RIA</td>
<td>5.9</td>
<td>5.9</td>
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<tr>
<td>DIGITAL-EMERGING-01-35</td>
<td>Advanced characterisation methodologies to assess and predict the health and environmental risks of nanomaterials</td>
<td>RIA</td>
<td>17.5</td>
<td>2-3</td>
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<tr>
<td>RESILIENCE-01-10</td>
<td>Innovative materials for advanced (nano)electronic components and systems</td>
<td>RIA</td>
<td>19</td>
<td>3-5</td>
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<tr>
<td>RESILIENCE-01-12</td>
<td>Functional multi-material components and structures</td>
<td>RIA</td>
<td>19</td>
<td>4-6</td>
<td>3</td>
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<tr>
<td>RESILIENCE-01-13</td>
<td>Smart and multifunctional biomaterials for health innovations</td>
<td>RIA</td>
<td>19</td>
<td>3-5</td>
<td>4</td>
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<tr>
<td>DATA-01-03</td>
<td>Programming tools for decentralised intelligence and swarms</td>
<td>RIA</td>
<td>40</td>
<td>4-8</td>
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<tr>
<td>HUMAN-01-19</td>
<td>eXtended Reality Learning - Engage and Interact</td>
<td>IA</td>
<td>21.1</td>
<td>5-8</td>
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<tr>
<td>SPACE-01-72</td>
<td>Education and skills for the EU space sector</td>
<td>CSA</td>
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<td>2-3</td>
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<tr>
<td>SPACE-02-54</td>
<td>Copernicus downstream applications and the European Data Economy</td>
<td>IA</td>
<td>9.6</td>
<td>2-3</td>
<td>3</td>
</tr>
</tbody>
</table>

Info based on DRAFT Work Programme, so is subject to change

Like more info? Digital Stafford Lloyd, Industry Abishek Ramesh, Space Catherine Holt

NCPs in other countries International NCP network
**Horizon Europe – Pillar II – Cluster 5: Climate, Energy & Mobility**

**Key Themes (€15 billion 2021-2027)**

**Climate**
- Climate sciences and responses
- Batteries
- Emerging breakthrough technologies
- Citizens and stakeholder engagement
- Communities and cities

**Energy**
- Renewables
- Energy Systems and grids
- Carbon Capture, Utilisation and Storage
- Energy efficient buildings
- Industrial decarbonisation

**Mobility**
- Zero emission road transport
- Aviation
- Waterborne transport
- Impact of transport on the environment and human health
- Connected, Cooperative and Automated Mobility
- Safety and resilience
- Multimodal and sustainable transport systems

**Destinations 1 & 2**

**Climate**
- €0.5bn – 2021/22
  - 1st Calls Open: 15 Apr 2021
  - Deadlines: 7 Sept 2021 and 19 Oct 2021

**NCP Climate: Emma Fenton**

**Destinations 3 & 4**

**Energy**
- €1.4bn – 2021/22
  - 1st Calls Open: 15 Apr 2021
  - Deadlines: 26 Aug 2021 and 19 Oct 2021

**NCPs Energy: Helen Fairclough, Kerry Young and Chris Young**

**Destinations 5 & 6**

**Mobility**
- €0.9bn – 2021/22
  - 1st Calls Open: 15 April 2021
  - Deadlines: 7 Sept 2021 and 19 Oct 2021

**NCP Mobility: Louise Mothersole**

**Note:** Info based on DRAFT WP
## Horizon Europe – Pillar II

**Cluster 5: Climate, Energy and Mobility**

Examples (but non-exhaustive list!) of topics that may be of interest to Health researchers/innovators

### 2021 funding opportunities include

<table>
<thead>
<tr>
<th>HORIZON-CL5-2021...</th>
<th>Topic Title</th>
<th>Type of Action</th>
<th>Overall Budget (EUR million)</th>
<th>Expected EU Contribution per Project (EUR million)</th>
<th>Expected no. of Projects funded</th>
</tr>
</thead>
<tbody>
<tr>
<td>D1-01-01</td>
<td>Improved understanding of greenhouse gas fluxes and radiative forcers, including carbon dioxide removal technologies</td>
<td>RIA</td>
<td>24</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>D1-01-02</td>
<td>Modelling the role of the circular economy for climate change mitigation</td>
<td>RIA</td>
<td>15</td>
<td>5</td>
<td>3</td>
</tr>
<tr>
<td>D1-01-07</td>
<td>Improved economic methods for decision-making on climate and environmental policies</td>
<td>RIA</td>
<td>6</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>D1-01-08</td>
<td>Sustainable, safe and efficient recycling processes (Batteries Partnership)</td>
<td>RIA</td>
<td>30</td>
<td>9-10</td>
<td>2</td>
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<tr>
<td>D2-01-12</td>
<td>Fostering a just transition in Europe</td>
<td>RIA</td>
<td>10</td>
<td>3-4</td>
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<tr>
<td>D3-01-06</td>
<td>Increasing energy system flexibility based on sector-integration services to consumers (that benefits system management by DSOs and TSOs)</td>
<td>IA</td>
<td>25</td>
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<tr>
<td>D4-01-01</td>
<td>Advanced energy performance assessment and certification</td>
<td>IA</td>
<td>16</td>
<td>3-5</td>
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<tr>
<td>D5-01-15</td>
<td>Development and demonstration of cost affordable and adaptable retrofit solutions for tailpipe and brake polluting emissions</td>
<td>IA</td>
<td>10</td>
<td>4-5</td>
<td>2</td>
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<tr>
<td>D5-01-16</td>
<td>Assessment of noise and particle emissions of L category vehicles from real driving conditions</td>
<td>RIA</td>
<td>5</td>
<td>4-5</td>
<td>1</td>
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<tr>
<td>D6-01-05</td>
<td>Analysis of socio-economic and environmental impacts and assessment of societal, citizen and user aspects for needs based CCAM solutions (CCAM Partnership)</td>
<td>RIA</td>
<td>8</td>
<td>3-4</td>
<td>2</td>
</tr>
<tr>
<td>D6-01-12</td>
<td>Controlling infection on large passenger ships</td>
<td>RIA</td>
<td>8</td>
<td>3-5</td>
<td>2</td>
</tr>
</tbody>
</table>

Info based on DRAFT Work Programme, so is subject to change
Horizon Europe – Pillar II
Cluster 5: Climate, Energy and Mobility

Examples (but non-exhaustive list!) of topics that may be of interest to Health researchers/innovators

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<thead>
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<th>HORISON-CL5-2022...</th>
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<th>Overall Budget (EUR million)</th>
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<th>Expected no. of Projects funded</th>
</tr>
</thead>
<tbody>
<tr>
<td>D1-01-01-two-stage</td>
<td>Carbon Dioxide Removal (CDR) approaches</td>
<td>RIA</td>
<td>21</td>
<td>7</td>
<td>3</td>
</tr>
<tr>
<td>D1-01-02-two-stage</td>
<td>Socio-economic risks of climate change in Europe</td>
<td>RIA</td>
<td>10</td>
<td>5</td>
<td>2</td>
</tr>
<tr>
<td>D1-01-03-two-stage</td>
<td>Social science for land-use strategies in the context of climate change and biodiversity challenges</td>
<td>RIA</td>
<td>20</td>
<td>6-7</td>
<td>2</td>
</tr>
<tr>
<td>D1-02-03</td>
<td>Improve. Integrated Assess. Models in support of climate policies</td>
<td>RIA</td>
<td>15</td>
<td>5</td>
<td>3</td>
</tr>
<tr>
<td>D2-01-10</td>
<td>Streamlined collection and reversed logistics, fully automated, safe &amp; cost-efficient sorting, dismantling &amp; second use before recycling (Batteries Partnership)</td>
<td>RIA</td>
<td>15</td>
<td>5</td>
<td>3</td>
</tr>
<tr>
<td>D4-01-02</td>
<td>Renewable-intensive, energy positive homes</td>
<td>IA</td>
<td>12</td>
<td>4-6</td>
<td>2</td>
</tr>
<tr>
<td>D4-02-02</td>
<td>Solutions for the sustainable, resilient, inclusive and accessible regeneration of neighbourhoods enabling low carbon footprint lifestyles and businesses (Built4People)</td>
<td>IA</td>
<td>15</td>
<td>5-7.5</td>
<td>2</td>
</tr>
<tr>
<td>D4-02-04</td>
<td>Smart-grid ready and smart-network ready buildings, acting as active utility nodes (Built4People)</td>
<td>IA</td>
<td>18</td>
<td>6-9</td>
<td>2</td>
</tr>
<tr>
<td>D5-01-07</td>
<td>Prevent smog episodes in Europe: Air quality impact of engine-emitted volatile, semi volatile and secondary particles</td>
<td>RIA</td>
<td>7</td>
<td>2.5-3</td>
<td>3</td>
</tr>
<tr>
<td>D6-01-02</td>
<td>Reliable occupant protection technologies and HMI solutions to ensure the safety of highly automated vehicles (CCAM Partnership)</td>
<td>RIA</td>
<td>8</td>
<td>6-8</td>
<td>1</td>
</tr>
<tr>
<td>D6-01-06</td>
<td>Predictive safety assessment framework and safer urban environment for vulnerable road users</td>
<td>RIA</td>
<td>13</td>
<td>4-4.33</td>
<td>3</td>
</tr>
<tr>
<td>D6-02-04</td>
<td>Accelerating the deployment of new and shared mobility services for the next decade</td>
<td>IA</td>
<td>20</td>
<td>8-10</td>
<td>2</td>
</tr>
</tbody>
</table>

Like more info? UK NCP UK NCPS
NCPs in other countries International NCP network

Info based on DRAFT Work Programme, so is subject to change
Biodiversity and Ecosystem Services
- Understanding biodiversity decline
- Valuing and restoring biodiversity and ecosystem services
- Managing biodiversity in primary production
- Enabling transformative change on biodiversity

Destination 2: Fair, healthy and environmentally-friendly food systems from primary production to consumption
- Enabling sustainable farming
- Enabling sustainable fisheries and aquaculture
- Transforming food systems for health, sustainability and inclusion
- Targeted international cooperation

Destination 3: Circular economy and bioeconomy sectors
- Enabling a circular economy transition
- Innovating sustainable bio-based systems and the bioeconomy
- Safeguarding the multiple functions of European forests
- Innovating for blue economy and biotechnology value chains

Destination 4: Clean environment and zero pollution
- Halting emissions of pollutants to soils and waters
- Protecting drinking water and managing urban water pollution
- Addressing pollution on seas and oceans
- Innovating for blue economy and biotechnology value chains

Destination 5: Land, oceans and water for climate action

Destination 6: Resilient, inclusive, healthy and green rural, coastal and urban communities

Destination 7: Innovative governance, environmental observations and digital solutions in support of the Green Deal
- Innovating with governance models and supporting policy
- Deploying and adding value to Environmental Observations
- Digital and data technologies as key enablers
- Strengthening agricultural knowledge and innovation systems
### Horizon Europe – Pillar II

#### Cluster 6: Food, Bioeconomy, Natural Resources, Agriculture & Environment

Examples (but non-exhaustive list!) of topics that may be of interest to Health researchers/innovators

2021 funding opportunities include the below. There are further food and nutrition topics not listed below too.

<table>
<thead>
<tr>
<th>HORIZON-CL6-2021...</th>
<th>Topic Title</th>
<th>Type of Action</th>
<th>Overall Budget (EUR million)</th>
<th>Expected EU Contribution per Project (EUR million)</th>
<th>Expected no. of Projects funded</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIODIV-01-11</td>
<td>What else is out there? Exploring the connection between biodiversity, ecosystems services, pandemics and epidemic risk</td>
<td>IA</td>
<td>12</td>
<td>4-12</td>
<td>2</td>
</tr>
<tr>
<td>BIODIV-01-17</td>
<td>Biodiversity, water, food, energy, transport, climate and health nexus in the context of transformative change</td>
<td>RIA</td>
<td>5</td>
<td>5</td>
<td>1</td>
</tr>
<tr>
<td>BIODIV-01-22</td>
<td>Impact and dependence of business on biodiversity</td>
<td>RIA</td>
<td>5</td>
<td>2-3</td>
<td>2</td>
</tr>
<tr>
<td>FARM2FORK-01-11</td>
<td>Filling knowledge gaps on nutritional, safety, allergenicity and environmental assessment of alt. proteins and dietary shift</td>
<td>RIA</td>
<td>11</td>
<td>11</td>
<td>1</td>
</tr>
<tr>
<td>FARM2FORK-01-13</td>
<td>Microbes for healthy and sustainable food and diets</td>
<td>RIA</td>
<td>11</td>
<td>11</td>
<td>1</td>
</tr>
<tr>
<td>FARM2FORK-01-14</td>
<td>Transition to healthy and sustainable dietary behaviour</td>
<td>RIA</td>
<td>11</td>
<td>11</td>
<td>1</td>
</tr>
<tr>
<td>FARM2FORK-01-16</td>
<td>Increasing the transparency of EU food systems to boost health, sustainability &amp; safety of products, processes and diets</td>
<td>IA</td>
<td>11</td>
<td>11</td>
<td>1</td>
</tr>
<tr>
<td>FARM2FORK-01-17</td>
<td>One health approach for Food Nutrition Security and Sustainable Agriculture (FNSSA)</td>
<td>RIA</td>
<td>18</td>
<td>6</td>
<td>3</td>
</tr>
<tr>
<td>CircBio-01-08</td>
<td>Unlocking the potential of algae potential for a thriving European blue bioeconomy</td>
<td>IA</td>
<td>18</td>
<td>9</td>
<td>2</td>
</tr>
<tr>
<td>COMMUNITIES-01-01</td>
<td>Grasping rural diversity and strengthening evidence for tailored policies enhancing the contribution of rural communities to ecological, digital and social transitions</td>
<td>RIA</td>
<td>15</td>
<td>7-7.5</td>
<td>2</td>
</tr>
<tr>
<td>COMMUNITIES-01-02</td>
<td>Expertise and training centre on rural innovation</td>
<td>CSA</td>
<td>5</td>
<td>5</td>
<td>1</td>
</tr>
<tr>
<td>GOVERNANCE-01-02</td>
<td>Furthering food systems science and federating researchers</td>
<td>RIA</td>
<td>17</td>
<td>17</td>
<td>1</td>
</tr>
<tr>
<td>GOVERNANCE-01-12</td>
<td>EU agriculture within a safe and just operating space and planetary boundaries</td>
<td>RIA</td>
<td>10</td>
<td>10</td>
<td>1</td>
</tr>
</tbody>
</table>

Like more info? UK NCP UK NCPS

NCPs in other countries International NCP network

Info based on DRAFT Work Programme, so is subject to change
## Horizon Europe – Pillar II

### Cluster 6: Food, Bioeconomy, Natural Resources, Agriculture & Environment

Examples (but non-exhaustive list!) of topics that may be of interest to Health researchers/innovators

<table>
<thead>
<tr>
<th>HORIZON-CL5-2022…</th>
<th>2022 Topic Titles include (There are further food and nutrition topics not listed below too)</th>
<th>Type</th>
<th>Overall Budget (EUR million)</th>
<th>Expected EU contribution per Project (EUR million)</th>
<th>Expected no. of Projects funded</th>
</tr>
</thead>
<tbody>
<tr>
<td>FARM2FORK-01-04</td>
<td>Towards an EU approach to assess and internalise positive and negative externalities of agri-food products for incentivising sustainable choices</td>
<td>CSA</td>
<td>8</td>
<td>4</td>
<td>2?</td>
</tr>
<tr>
<td>FARM2FORK-01-08</td>
<td>Building alternative protein-friendly sustainable &amp; healthy food environments</td>
<td>IA</td>
<td>11</td>
<td>11</td>
<td>1</td>
</tr>
<tr>
<td>FARM2FORK-01-10</td>
<td>Microbiomes in food production systems</td>
<td>RIA</td>
<td>10</td>
<td>10</td>
<td>1</td>
</tr>
<tr>
<td>FARM2FORK-01-11</td>
<td>Integrated surveillance system to prevent and reduce diet-related Non Communicable Diseases (NCDs)</td>
<td>RIA</td>
<td>11</td>
<td>11</td>
<td>1</td>
</tr>
<tr>
<td>FARM2FORK-01-14</td>
<td>AU-EU Combatting all forms of malnutrition</td>
<td>RIA</td>
<td>10</td>
<td>10</td>
<td>1</td>
</tr>
<tr>
<td>CircBio-02-06-two-stage</td>
<td>Life sciences and their convergence with digital technologies for prospecting, understanding and sustainably using biological resources</td>
<td>RIA</td>
<td>12</td>
<td>6</td>
<td>1</td>
</tr>
<tr>
<td>CircBio-01-07</td>
<td>Marine microbiome for healthy oceans &amp; a sustainable blue bioeconomy</td>
<td>RIA</td>
<td>18</td>
<td>9</td>
<td>2</td>
</tr>
<tr>
<td>COMMUNITIES-01-02</td>
<td>Assessing &amp; improving labour conditions &amp; health &amp; safety at work in farming</td>
<td>RIA</td>
<td>5</td>
<td>5</td>
<td>1</td>
</tr>
<tr>
<td>COMMUNITIES-02-01-two-stage</td>
<td>Smart solutions for smart rural communities: empowering rural communities and smart villages to innovate for societal change</td>
<td>IA</td>
<td>14</td>
<td>7</td>
<td>2</td>
</tr>
<tr>
<td>COMMUNITIES-02-02-two-stage</td>
<td>Developing nature-based therapy for health and well-being</td>
<td>RIA</td>
<td>19</td>
<td>6</td>
<td>3</td>
</tr>
<tr>
<td>BIODIV-01-03</td>
<td>Network for nature: multi-stakeholder dialogue platform to promote nature-based solutions</td>
<td>CSA</td>
<td>5</td>
<td>5</td>
<td>1</td>
</tr>
<tr>
<td>BIODIV-02-01-two-stage</td>
<td>Maintaining and restoring pollinators and pollination services in European agricultural landscapes</td>
<td>IA</td>
<td>20</td>
<td>6-10</td>
<td>3</td>
</tr>
<tr>
<td>GOVERNANCE-01-06</td>
<td>New technologies for acquiring in-situ observation datasets to address climate change effects</td>
<td>IA</td>
<td>20</td>
<td>3</td>
<td>6</td>
</tr>
<tr>
<td>GOVERNANCE-01-08</td>
<td>Env. observations solutions contributing to meeting “One Health” challenges</td>
<td>RIA</td>
<td>10</td>
<td>5</td>
<td>2</td>
</tr>
<tr>
<td>GOVERNANCE-01-09</td>
<td>Piloting approaches and tools to empower citizens to exercise their “data rights” in the area of food and nutrition</td>
<td>RIA</td>
<td>7</td>
<td>7</td>
<td>1</td>
</tr>
</tbody>
</table>

Info based on DRAFT Work Programme, so is subject to change

Like more info? UK NCP [UK NCPS](#)

NCPs in other countries [International NCP network](#)
Horizon Europe – Pillar I

- €95.5bn total funding agreed for 2021-2027
- Budget figures exclude UK and other Associate Country contributions so will be higher
- Others likely to associate include Switzerland, Norway & Israel
- Canada, Japan, Australia etc. Interested status (TBC)

Pillar I
EXCELLENT SCIENCE

- European Research Council
- Marie Skłodowska-Curie
- Research Infrastructures

Pillar II
GLOBAL CHALLENGES & EUROPEAN INDUSTRIAL COMPETITIVENESS

- Health
- Culture, Creativity & Inclusive Society
- Civil Security for Society
- Digital, Industry & Space
- Climate, Energy & Mobility
- Food, Bioeconomy, Natural Resources, Agriculture & Environment

Pillar III
INNOVATIVE EUROPE

- European Innovation Council
- European innovation ecosystems
- European Institute of Innovation & Technology

WIDENING PARTICIPATION AND STRENGTHENING THE EUROPEAN RESEARCH AREA

- Widening participation & spreading excellence
- Reforming & Enhancing the European R&I system
Horizon Europe - Pillar I - European Research Council (ERC)
€16 Billion 2021-2027

- Long term funding of ground-breaking curiosity lead, investigator-driven ‘frontier research’
- Funds a Principal Investigator (PI) and their team.
- Across ALL research fields - completely bottom-up
- Projects are selected for funding purely based on the excellence (of the PI and of the research project)

Like more info? UK National Contact Point: erc-uk@ukro.ac.uk / website / events. Contact Points in other countries
ERC Website including page on grant schemes / newsletter (sign up at the bottom of the ERC Website)
Horizon Europe - Pillar I - European Research Council (ERC)

ERC Grant Schemes

1. **Starting Grant**
   - €1.5M (+ €1M additional)
   - Lasts up to 5 years

2. **Consolidator Grant**
   - €2M (+ €1M additional)
   - Lasts up to 5 years

3. **Advanced Grant**
   - €2.5M (+ €1M additional)
   - Lasts up to 5 years

4. **Synergy Grant**
   - €10M (+ €4M additional)
   - Lasts up to 6 years with 2-4 PIs

5. **Proof Of Concept Grant**
   - €150k Lump Sum
   - Lasts for 1.5 years
   - Top-up grants for current ERC grantees
MSCA Staff Exchange Scheme
- Funds short-term exchanges of personnel between academic, industrial and commercial organisations throughout the world
- Funds consortium based research and innovation projects
- Project implemented through the secondment of staff for a period between 1 and 12 months

MSCA Post Doctoral Fellowships
- Provides full funding for an individual postdoctoral researcher
- Mobility is key – intersectoral, interdisciplinary and international!
- Training through research and innovation
- Opportunities for European or internationally hosted fellowships with opportunities for secondments

MSCA Doctoral Networks
- Provides full funding for an international consortium to train a group of PhD students
- Provides recruited researchers with training through research
- Mobility is key – intersectoral, interdisciplinary and international!

MSCA COFUND Doctoral and Fellowship Programme
- Collaborative funding through a mono beneficiary scheme
- Training through research and innovation
- Mobility is key – intersectoral, interdisciplinary and international!
- EC provides a contribution to the funding for a cohort of PhD students or Post-Docs

NEW: Extra 6 months funding for fellow to spend time in non-academic setting

Like more info? UK National Contact Point: mariecurie-uk@ukro.ac.uk / website / training events
National Contact Points in other countries
Horizon Europe – Pillar I – Research Infrastructures - €2.4 billion 2021-2027

Examples (but non-exhaustive list!) of topics that may be of interest to Health researchers/innovators

Info based on DRAFT Work Programme, so is subject to change

Is not:

X building Research Infrastructures (RIs)
X funding capital costs (with some exceptions)

MS and third countries come together to build RIs with Structural Funds and National Funding/in-kind contributions.

It is aiming to:

✓ Develop an advanced RI system for the European Research Area (ERA)
✓ Support Trans-National & Virtual Access to RI
✓ Facilitates EU Member State agreement on roadmaps for future pan-European RIs and RI upgrades via ESFRI (European Strategy Forum on Research Infrastructures)
✓ Foster international cooperation of facilities, links with the private sector, and compliance with EOSC (European Open Science Cloud)

2021 Topics include

- FAIR and open data sharing in support of cancer research
- Research Infrastructure services to support research addressing cancer

2022 Topics include

- Enabling research infrastructure services for better use of imaging data to address challenges in thematic research areas
- Implementing digital services to empower neuroscience research for health and brain inspired technology via EBRAINS
- Interdisciplinary digital twins for modelling and simulating complex phenomena at the service of research infrastructure communities

Like more info? UK NCP alice.chadwick@stfc.ukri.org
NCPs in other countries International NCP network
Horizon Europe – Pillar III

- €95.5bn total funding agreed for 2021-2027
- Budget figures exclude UK and other Associate Country contributions so will be higher
- Others likely to associate include Switzerland, Norway & Israel
- Canada, Japan, Australia etc. Interested status (TBC)
Horizon Europe – Pillar III – European Innovation Council (EIC)
(European Innovation Council – brings together H2020 Future and Emerging Technologies with SME Instrument)
‘Integrated, agile support across the full R&D spectrum from early stage research to scale-up’

**EIC Pathfinder**
- **Pathfinder Open (bottom up, no pre-defined topics)**
  - Advanced research to develop the scientific basis to underpin breakthrough technologies, oriented around ‘gatekeepers’:
    - Radical technology vision
    - Breakthrough target
    - Novel interdisciplinary
  - Collaborative, ~€3M (no cap), 100%

- **Pathfinder Challenges (top-down in specific technology areas) 2021 topics** include:
  - Aware inside
  - Tools for brain activity
  - Cell and gene therapy
  - Green hydrogen
  - Living materials

**EIC Transition**
- **Transition Open (bottom up, no pre-defined topics)**
  - Validate technologies and develop business plans for specific applications, builds on EIC Pathfinder projects and ERC Proof of Concept projects.
  - Single entity or collaborative, ~€2.5M (no cap), 100%

- **Transition Challenges (top-down in specific tech. areas) 2021 topics**
  - Medical technology and devices: from lab to patient
  - Energy harvesting
  - Challenges can be single/mono beneficiary, €4M, 100%

**EIC Accelerator**
- **Accelerator Open (bottom-up, no predefined topics)**

- **Accelerator Challenges 2021 topics:**
  - Strategic Health and Digital Technologies
  - Green Deal Innovations for Economic recovery

Like more info? EIC Pathfinder: dora.meredith@innovateuk.ukri.org
EIC Transition/Accelerator: richard.buxbaum@scotent.co.uk or genevra.kirby@innovateuk.ukri.org

UK based organisations can access the majority of the EIC (except the EIC Fund part of the EIC Accelerator). See: Commission Q&A on UK participation in Horizon Europe
Horizon Europe – Pillar III – European Institute of Innovation and Technology Knowledge and Innovation Communities (EIC KICS)  
(€3 billion 2021-2027)

- The EIT brings together business, education and research bodies to create an environment conducive to innovation and entrepreneurship in Europe
- It funds 8 long-term partnerships, KICs, each with a focus on a different societal challenges:
  
  EIT Climate-KIC: innovation for climate action
  EIT Digital: for a strong digital Europe
  EIT Food: addressing sustainable supply chains from resources to consumers
  EIT Health: together for healthy lives in Europe
  EIT InnoEnergy: pioneering change in sustainable energy
  EIT Manufacturing: leading manufacturing innovation is Made by Europe
  EIT RawMaterials: developing raw materials into a major strength for Europe
  EIT Urban Mobility: smart, green and integrated transport

- New KICs for Culture and Creative Industries and Water, Marine and Maritime Sectors and Ecosystems are anticipated in 2022/3 and 2026 respectively

- Calls for projects starting this year have already closed but calls for projects starting in 2022 are open or due to be open later this year and you can apply to become a partner at any time
- Calls for proposals are primarily open for existing partners. However, non-partners are able to participate

Like more info? UK NCP  sharon.mchugh@innovateuk.ukri.org
Useful links: EIT Website / Link to all EIT KICS / All EIT Opportunities
EIT Health / EIT Health Opportunities / EIT Health Events
Horizon Europe – Widening participation and strengthening the European Research Area (ERA)

• €95.5bn total funding agreed for 2021-2027
• Budget figures exclude UK and other Associate Country contributions so will be higher
• Others likely to associate include Switzerland, Norway & Israel
• Canada, Japan, Australia etc. Interested status (TBC)
## Horizon Europe - Widening participation and strengthening the European Research Area (ERA)

Activities to increase the participation of low research and innovation (R&I) performing member states and to strengthen the European Research Area (ERA)

<table>
<thead>
<tr>
<th>Widening Participation and Spreading Excellence (€3 billion 2021-2027)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Teaming for Excellence</strong>: designed to support the creation of new centres of excellence or upgrading the existing ones in low R&amp;I performing countries, building on partnerships with leading scientific institutions in Europe.</td>
</tr>
<tr>
<td><strong>Twinning</strong>: aims to enhance networking activities between the research institutions of the ‘Widening’ countries and top-class leading counterparts at EU level by linking it with at least two research institutions from two different Member States or Associated Countries. Networking for excellence through knowledge transfer and exchange of best practice.</td>
</tr>
<tr>
<td><strong>Excellence Hubs</strong>: innovation ecosystems in widening countries and beyond, team up and create better linkages between academia, business, government and society. Foster a placed based innovation culture in widening countries.</td>
</tr>
<tr>
<td><strong>European Excellence Initiative for Higher Education Institutions (HEIs) and ecosystems</strong>: 2021 call strengthens cooperation between at least 2 orgs. from higher education sector in a Widening country (or different Widening countries) linking it with at least 2 internationally-leading orgs. from 2 different Member States or Associated Countries.</td>
</tr>
<tr>
<td><strong>Hop On Facility</strong>: integrates one additional participant from a Widening country to any ongoing project under Pillar 2 while topping up a relevant task/work package and the cost incurred by the additional participant. Possible when original grant does not have any participant “from a country eligible to host the coordinator under the Widening component”.</td>
</tr>
<tr>
<td><strong>ERA Chairs/Fellowships</strong>: Research orgs. in widening countries host a researcher/innovator in any R&amp;I domain.</td>
</tr>
</tbody>
</table>

Also in 2021: Twinning Western Balkans Special + Support for R&I policy making in the Western Balkans
Horizon Europe - Widening participation and strengthening the European Research Area (ERA)

Includes:

- **COST** (European Co-operation in Science and Technology):
  - **COST Open Call** (regular deadlines, next deadline 29 Oct 2021 12pm CET)
    - **Open to all areas of research and innovation** (bottom-up)
    - **Funding to set up interdisciplinary research and innovation networks in Europe and beyond**
      - Funding for organising meetings, training schools, short term scientific missions or other networking
      - Networks run for 4 years and help to build capacity.
    - Funds global networking of nationally-funded research.
    - In Horizon 2020, COST had a high success rate of 37%
  - You can also **join** the many **existing COST actions**
    - e.g. European Network for Optimisation of Veterinary Antimicrobial Treatment – [website](#) / [newsletter](#)

More info? [COST website](#) / [COST newsletter](#) / [Eligible countries](#) / [Contact Points](#)
COST– Information Event on 23 Feb 2021 – [recording available](#)
Cascade Funding And Euratom

Info based on DRAFT Work Programme and is subject to change
Slides happily shared!
Cascade funding

- Includes where existing H2020/Europe projects which themselves have funding to distribute to others
- Competitive calls and calls for third parties are listed on the EU Funding and Tenders portal
- Funding rules depend on call
- Often (but not always) these are smaller grants which can be awarded to a single organisation
- Tip: Keep checking the portal for the latest cascade funding opportunities
- For example, there were 41 calls open as at 5 April 2021, including:
  - Provision of medical services to the Cypriot citizens that live in rural and remote areas and do not have easy access to healthcare services and prescribed medicines
  - Early detection of progression in Multiple Sclerosis
  - AI4EU Call for Solutions
  - AI-based throat-swab robot usable in pandemic prevention
  - Modelling of drugs via deep learning neural network
  - Identification of Colon Cancer risk factors
  - Development of Information Extraction Algorithms from Photographs(learn more about this Challenge
  - ICU4Covid Open Call for Peripheral Hospitals
  - HBP Call for Expressions of Interest (CEoI): COVID-19 and its impact on the brain and mental health
  - INNO4COV-19: Open Call to support fast deployment of solutions to fight COVID-19
  - EHDEN: Open call for healthcare data partners
Euratom Research and Training Programme (€1.38 billion 2021-2025)

Euratom Research and Training Programme (2021-2025) is a complementary funding programme to Horizon Europe which covers nuclear research and innovation. It uses the same instruments (project types) and rules for participation as Horizon Europe. The first Work Programme is due Spring 2021.

Objective
Research and training to reduce nuclear safety and security risks, development of safe nuclear technologies and optimal radiation protection.

Health aspects include
• Increased focus on non-power applications of radiation (e.g. medical, industrial, space)
• “Radiation protection research has led to improvements in medical technologies (e.g. diagnosis and radiotherapy) from which many citizens benefit. This research is leading to further improvements in nuclear medicine as well as in other sectors such as industry..”
• The Euratom programme will expand research into non-power applications of ionising radiation e.g. links with the Horizon Europe Health activities and Europe’s beating cancer plan.
• Opening mobility opportunities for nuclear researchers through inclusion in Marie Skłodowska-Curie Actions.

UK eligibility
The European Commission Q&A on the UK’s Participation in Horizon Europe confirms that “The UK will also be associated to the Euratom Research and Training Programme, as well as fusion-related activities…”
How to get started

&

Support available to applicants
Next steps

I’m interested in exploring opportunities, what should I do?

- **Sign up for the UK Health NCP newsletter** (by emailing ncp-health@innovateuk.ukri.org) to stay up to date with the latest funding opportunities & news
- **Contact your NCP** to discuss your idea and its relevance to the Calls for Proposals
- Read the (draft) Work Programmes
- **Prepare a proposal summary**
- **Find out what has been funded already** and which organisations are involved
- Approach potential partners
SARCOM Selection for antimicrobial resistance in a complex community context

ID: 751699

From: 1 December 2017 to: 30 November 2019
BreathSpec A rapid, non-invasive, cost-effective, analytical device for bacterial or viral infection diagnosis through ultra-high sensitivity breath analysis.

ID: 755667

From: 1 May 2017 to: 31 July 2019

The world faces a growing epidemic of antimicrobial resistance (AMR); however, only two new classes of antibiotics have been brought to the market in the last 30 years. The discovery and development of new antibiotics is essential to maintain medical advances b...

Coordinated in: United Kingdom


Last update: 24 November 2020

https://cordis.europa.eu/project/id/755667
- **Attend (or watch back) relevant webinars** and info days – your NCP can advise you which events might be useful depending on which area you are interested in, for example:

  - The [KTN Horizon Europe Health webpage](#) includes
    - **Overview of Horizon Europe** by UK NCPs (slides and recording)
    - **Overview of Health Cluster** by UK NCPs (slides and recording)
    - **Funding opportunities for Health throughout Horizon Europe** (slide set by UK Health NCPs)
    - Links to European Commission webinars on proposal writing, submission, evaluation etc

  - [European Commission Information Days](#) (28 June – 9 July, Including **Health Cluster Infoday on 2 July**)

  - [Consortia building events for Horizon Europe clusters](#) organised by KTN and UK NCPs (14 June Health Cluster. Other clusters 14/17/21 June). Registration stays open until event, but deadline to offer to pitch for the Health Cluster is 8 June.

  - [Consortia building/partnering events organised by NCP network](#). 5 July tbc for Health Cluster (info not online yet)

  - [KTN and NCP Horizon Europe – Overview of other Clusters](#) (slides and recording)

  - UK [European Research Council NCP events](#) and [Marie Skłodowska-Curie Actions NCP events](#)

  - [European Innovation Council (EIC) Applicants' Day recording](#) and presentations

  - [European Research and Innovation Days - 23rd – 24th June](#)
The best ways to form winning teams

Being an *effective networker* is much more useful than submitting a profile into a portal and awaiting contacts.

- Use your existing professional networks – if you don’t know who the sector leaders are in Europe then you should find out
  - Use LinkedIn to connect to people from possible partners
- Join the relevant Partnership if any, ask your NCP for details
- Search [CORDIS](https://cordis.europa.eu) for previous, related projects and contact the participants. All projects must disseminate their results and often hold workshops, etc.
- Join the relevant networks and associations – again ask your NCP for suggestions
  - Be an *active* member – say ‘hi’ when you join the virtual room. Ask questions, support others’ opinions, act as if you are already well known to all in the virtual room
  - Volunteer to draft working papers, take notes, send in useful information – be helpful
  - Speak up at workshops – demonstrate Thought Leadership
  - Show that you would be a valuable partner for collaborative projects and that without you they won’t win – you have the secret sauce that is necessary for their success
Additional useful information

- Check out the [Reference Documents](#) – if there is any conflicting information this is the officially recognised correct source. It contains:
  - Work Programme in full including context and General Annexes
  - Templates, guides, rules, etc
  - Annotated Model Grant Agreement
- The [on-line manual](#) is very useful

- [KTN/NCP website on Horizon Europe Health](#)
Some definitions

- **Work Programme** – combined calls for proposals for the whole thing (excluding Institutionalised partnerships who do their own)
- **Cluster** – a major problem space. There are six in total. Cluster 1 is health
- **Destination** – a way of breaking down the Cluster to manageable chunks with a common theme, e.g., decarbonisation of transport
- **Topic** – a specific call for proposals with its own scope, budget, etc. Often (but not always) more than one project will be funded.
- **The Portal** – the [EU Funding & Tenders Portal](https://ec.europa.eu/programmes/horizon2020) where all information needed to participate can be found
- **PIC** – Participant Identification Code – a unique identifier for each participating legal entity
- **LEAR** – Legal Entity Appointed Representative – a single person at the top for each organisation, often Chief Finance Officer or similar (buck stops with them)
- **Coordinator** – The lead participant for a proposal and project who brings the team together, submits the proposal and manages delivery of the project
What is a National Contact Point (NCP)?

**UK NCP network:** Team of sector specific public servants whose role it is to provide free support to UK participants to Horizon Europe

**International NCP network:** support in Europe and the rest of the World

NCP services vary in each country/sector, but typically include:

- **Informing, awareness raising** – on Horizon Europe and other EU programmes
- **Assisting, advising and training** – to improve the quality of Horizon Europe proposals
- **Signposting and cooperation** – direct to relevant support and work with each other to support consortium development

Please sign up for our newsletter by emailing ncp-health@innovateuk.ukri.org for the latest Horizon Europe health funding opportunities news

[Image of Katie Dingley and Jo Frost with their names and titles]

[Diagram showing NCP network with connections to businesses, RTOs, academia, EU Commission, and UK Gov]
Support services

• **National Contact Points (NCPs):** this network is the main structure to provide guidance, practical information and assistance on all aspects of participation in Horizon Europe
  • [UK NCPs](#) and UK Health NCP newsletter signup by emailing ncp-health@innovateuk.ukri.org
  • [Worldwide NCP network](#) - EU Member States, Associated Countries and many ‘third’ countries

• **The UK Knowledge Transfer Network (KTN)** has deep thematic knowledge and networks including in Europe to help companies identify opportunities and partners. It supports NCPs with their thematic activities.

• **Innovate UK EDGE:** Network around the UK providing local help. First point of contact for UK small businesses on the European Innovation Council (EIC) and other business support. They also have access to a large database of UK/other companies seeking collaboration.

• **UK Research Office (UKRO):**
  • UK NCPs for the [European Research Council](#) and [Marie Skłodowska-Curie Actions](#)
  • Regularly updated [factsheet](#) on UK participation on EU funded programmes – accessible by all
  • Those based at [subscribing organisations](#) can also get support on other areas of Horizon Europe and can register for updates

• **EU Intellectual Property (IP) Helpdesk:** very useful free to use helpdesk including helpline, training events and templates, guides and proformas (including Consortium Agreements, MOUs, NDA templates, how to write an exploitation and dissemination plan).
Extra slides for reference only
## Horizon Europe - Pillar I - European Research Council (ERC) Summary of main calls 2021 and 2022

<table>
<thead>
<tr>
<th>ERC Grant</th>
<th>Objectives</th>
<th>Maximum amount and duration of the grant</th>
<th>2021 Call Opening and Closing Dates</th>
<th>2022 Tentative Call Opening and Closing Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Starting Grant</strong></td>
<td>Support for excellent Principal Investigators who are starting their own independent research team or programme. Principal Investigator should be between &gt; 2 and ≤ 7 years post PhD</td>
<td>Up to EUR 1 500 000 for 5 years. Additional funding available</td>
<td>Call is open Deadline: 8 Apr 2021</td>
<td>Call opens: 23 Sept 2021 tbc</td>
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<td></td>
<td>Deadline: 13 Jan 2022 tbc</td>
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<tr>
<td><strong>Consolidator Grant</strong></td>
<td>Support for excellent Principal Investigators at the career stage at which they may still be consolidating their own independent research team or programme. Principal Investigator should be between &gt; 7 and ≤ 12 years post PhD</td>
<td>Up to EUR 2 000 000 for 5 years. Additional funding available</td>
<td>Call is Open Deadline: 20 Apr 2021</td>
<td>Call opens: 19 Oct 2021 tbc</td>
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<tr>
<td></td>
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<td></td>
<td>Deadline: 17 Mar 2022 tbc</td>
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<tr>
<td><strong>Advanced Grant</strong></td>
<td>Support for excellent Principal Investigators at the career stage at which they are already established research leaders with a recognised track record of research achievements. No specific criteria on stage post PhD for Principal Investigator</td>
<td>Up to EUR 2 500 000 for 5 years. Additional funding available</td>
<td>Call opens: 20 May 2021 Deadline: 31 Aug 2021</td>
<td>Call opens: 20 Jan 2022 tbc</td>
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<td>Call opens: 28 Apr 2022 tbc</td>
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<tr>
<td><strong>Synergy Grant</strong></td>
<td>Support for a small group of two to four Principal Investigators to jointly address ambitious research problems that could not be addressed by the individual Principal Investigators and their teams working alone. No specific criteria on stage post PhD Principal Investigators</td>
<td>Up to EUR 10 000 000 for 6 years. Additional funding available (information based on 2020 call details)</td>
<td>No call in 2021 Work Programme</td>
<td>Call opens: 15 July 2021 tbc</td>
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<td>Call opens: 10 Nov 2021 tbc</td>
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<tr>
<td><strong>Proof of Concept</strong></td>
<td>All Principal Investigators in an ERC frontier research project, that is either ongoing or has ended less within time frame stipulated in work programme are eligible to participate.</td>
<td>Financial contribution awarded as a lump sum for a defined period. To be set in work programme.</td>
<td>Various dates, earliest deadline 14 Oct 2021 tbc</td>
<td></td>
</tr>
</tbody>
</table>

**Like more info?** UK National Contact Point: [erc-uk@ukro.ac.uk](mailto:erc-uk@ukro.ac.uk) / [website](http://website) / [events](http://events). Contact Points in other countries [ERC Website](http://erc-website) including page on [grant schemes](http://grant-schemes) / newsletter (sign up at the bottom of the ERC Website).
## Horizon Europe - Pillar I - Marie Skłodowska-Curie Actions (MSCA) €6.6 Billion 2021-2027

<table>
<thead>
<tr>
<th>Year</th>
<th>Action</th>
<th>Estimated opening*</th>
<th>Estimated deadline*</th>
</tr>
</thead>
<tbody>
<tr>
<td>2021</td>
<td>Doctoral Networks</td>
<td>18 May 2021</td>
<td>16 November 2021</td>
</tr>
<tr>
<td></td>
<td>Postdoctoral Fellowships</td>
<td>18 May 2021</td>
<td>15 September 2021</td>
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<td></td>
<td>Staff Exchanges</td>
<td>7 October 2021</td>
<td>9 March 2022</td>
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<tr>
<td></td>
<td>COFUND</td>
<td>12 October 2021</td>
<td>10 February 2022</td>
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<tr>
<td></td>
<td>MSCA and Citizens (covers 2 editions)</td>
<td>17 June 2021</td>
<td>7 October 2021</td>
</tr>
<tr>
<td>2022</td>
<td>Doctoral Networks</td>
<td>3 May 2022</td>
<td>15 November 2022</td>
</tr>
<tr>
<td></td>
<td>Postdoctoral Fellowships</td>
<td>13 April 2022</td>
<td>14 September 2022</td>
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<tr>
<td></td>
<td>Staff Exchanges</td>
<td>6 October 2022</td>
<td>8 March 2023</td>
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<tr>
<td></td>
<td>COFUND</td>
<td>11 October 2022</td>
<td>9 February 2023</td>
</tr>
<tr>
<td></td>
<td>MSCA and Citizens</td>
<td>No call foreseen in 2022</td>
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</tbody>
</table>

*Dates to be confirmed with the adoption of the Work Programme

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Like more info? UK National Contact Point: mariecurie-uk@ukro.ac.uk / website / training events
National Contact Points in other countries

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### Horizon Europe – Pillar III – European Innovation Council (EIC)

#### Table 1. Summary of main calls in 2021

<table>
<thead>
<tr>
<th></th>
<th>Who can apply</th>
<th>What for</th>
<th>Open calls (Section II)</th>
<th>Challenge driven calls (Section III)</th>
<th>Challenge driven calls (Section III)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>EIC Pathfinder</strong></td>
<td>Consortia of at least three independent legal entities (e.g. research organisations, universities, SMEs, industry) established in at least 3 different eligible countries. Single applicants or small consortia (two partners) may be able to apply for Pathfinder Challenges according to the call specifications.</td>
<td>Grants of up to EUR 3 million (open) or EUR 4 million (challenge driven) (or more if properly justified) to achieve the proof of principle and validate the scientific basis of breakthrough technology (TRL 1-4)</td>
<td>19 May 2021</td>
<td>168.00</td>
<td>1. Awareness inside</td>
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<td></td>
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<td>2. Tools to measure &amp; stimulate activity in brain tissue</td>
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<td>3. Emerging Technologies in Cell &amp; Gene Therapy</td>
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<td>4. Novel routes to green hydrogen production</td>
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<td>5. Engineered living materials</td>
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<tr>
<td><strong>EIC Transition</strong></td>
<td>Single applicants (SMEs, spin-offs, start-ups, research organisations, universities) or small consortia (two to 5 partners). Applications must build on results from eligible Pathfinder, FET or ERC Proof of Concept projects.</td>
<td>Grants of up to EUR 2.5 million (or more if properly justified) to validate and demonstrate technology in application-relevant environment (TRL 4 to 5/6) and develop market readiness</td>
<td>22 September 2021</td>
<td>59.60</td>
<td>1. Medical devices</td>
</tr>
<tr>
<td></td>
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<td></td>
<td></td>
<td></td>
<td>2. Energy harvesting and storage technologies</td>
</tr>
<tr>
<td><strong>EIC Accelerator</strong></td>
<td>Single Start-ups and SMEs (including spin-outs), individuals (intending to launch a start-up/SME) and in exceptional cases small mid-caps (fewer than 500 employees)</td>
<td>Blended finance: up to EUR 2.5 million grant component for technology development and validation (TRL 5/6 to 8); EUR 0.5 - 15 million investment component for scaling up and other activities. Grant only/grant first under certain conditions. Investment component only for small mid-caps or as follow up to grant only (i.e. for SMEs, including start-ups)</td>
<td>Any time (short applications) Full applications by 9 June 2021 and 6 October 2021</td>
<td>592.50</td>
<td>1. Strategic Health and Digital Technologies</td>
</tr>
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<td>2. Green Deal innovations for the economic recovery</td>
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<td>3. Green Deal innovations for the economic recovery</td>
</tr>
</tbody>
</table>

*Table notes:
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- **EIC Transition**: Single applicants (SMEs, spin-offs, start-ups, research organisations, universities) or small consortia (two to 5 partners). Applications must build on results from eligible Pathfinder, FET or ERC Proof of Concept projects.
- **EIC Accelerator**: Single Start-ups and SMEs (including spin-outs), individuals (intending to launch a start-up/SME) and in exceptional cases small mid-caps (fewer than 500 employees). Grants only/grant first under certain conditions. Investment component only for small mid-caps or as follow up to grant only (i.e. for SMEs, including start-ups). Full applications by 9 June 2021 and 6 October 2021.