



Innovate
UK

Horizon Europe info is based on DRAFT
Work Programme and is subject to change

How to fund innovation and global collaboration

AMR Virtual Mission, 10-12 May 2021

- **UKRI Introduction**
- **Horizon Europe Introduction**
- **Horizon Europe AMR Funding Opportunities**

To keep up to date with the latest Horizon Europe health funding news
please sign up for our newsletter [here](#)

Presented by: Jo Frost ncp-health@innovateuk.ukri.org

[Other UK National Contact Points](#) / [National Contact Points for other countries](#)



HORIZON EUROPE

THE NEXT EU RESEARCH & INNOVATION
PROGRAMME (2021 – 2027)

UK Research and Innovation

We work with the government to **invest over £7 billion a year in research and innovation** by partnering with academia and industry to make the impossible, possible.

Through the UK's nine leading academic and industrial funding councils, we create **knowledge with impact**.

Innovate UK drives productivity and economic growth by supporting businesses to develop new ideas



**UK Research
and Innovation**



UKRI Funding Opportunities: <https://www.ukri.org/opportunity>
(You can sign up for news and funding alerts on the left of this page)



Innovate
UK

Horizon Europe info is based on DRAFT
Work Programme and is subject to change

Horizon Europe Introduction

To keep up to date with the latest Horizon Europe health funding news
please sign up for our newsletter [here](#)

Presented by: Jo Frost ncp-health@innovateuk.ukri.org

[Other UK National Contact Points](#) / [National Contact Points for other countries](#)



HORIZON EUROPE

THE NEXT EU RESEARCH & INNOVATION
PROGRAMME (2021 – 2027)

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



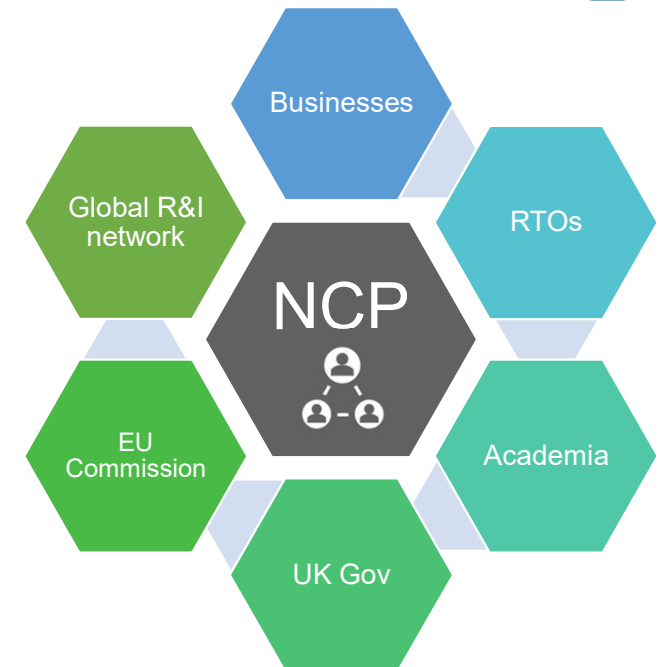
Signposting and cooperation – direct to relevant support and work with each other to support consortium development



Katie Dingley
UK Health NCP
for academia



Jo Frost
UK Health NCP
for industry
LinkedIn



Please sign up for our newsletter [here](#) for the latest Horizon Europe health funding opportunities news

European Framework Programmes

- EU research and innovation funding programmes
- 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 ‘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**

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.

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

- **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

Further info: [Work Programme 2021-2022 General Annexes](#) (Section B – Eligibility)

Horizon Europe structure

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



- **€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)



Innovate
UK

Info based on DRAFT Work Programme
and is subject to change

Horizon Europe AMR Funding Opportunities - Examples



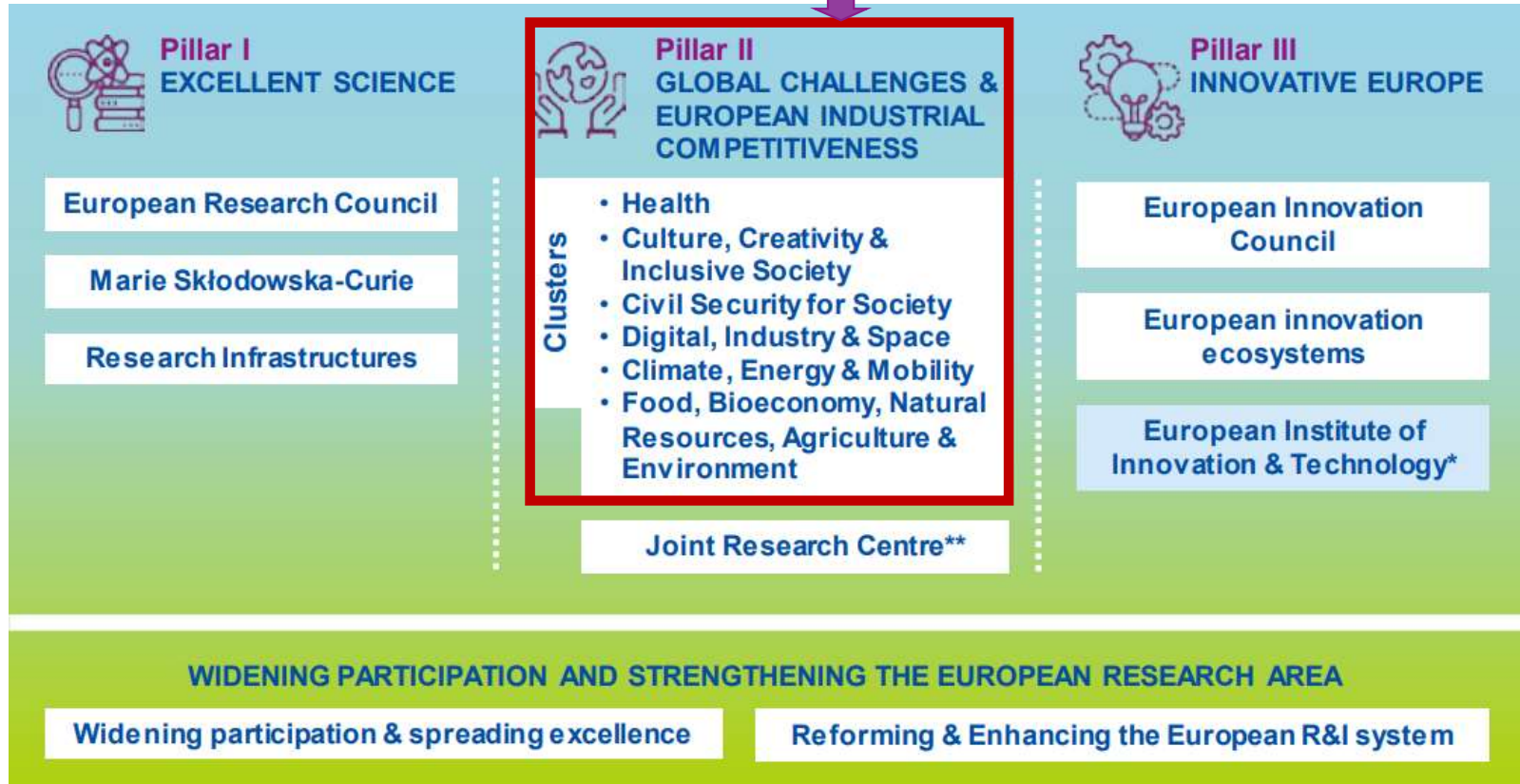
HORIZON EUROPE

THE NEXT EU RESEARCH & INNOVATION
PROGRAMME (2021 – 2027)

Horizon Europe

AMR Opportunities in Pillar II (€53.8 bn 2021-2027)

€53.8bn



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

Horizon Europe – Pillar II

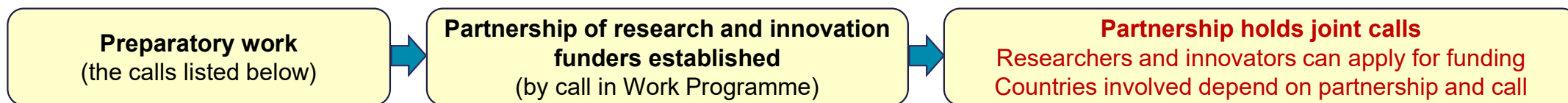
Example 2021-2022 topics of interest to AMR researchers

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

Pillar II - Cluster 1 'Health' ([Draft Work Programme](#) as at March 2021, we understand there have only been minor changes since this draft)

- **Vaccines 2.0 - developing the next generation of vaccines**
(HORIZON-HLTH-2022-DISEASE-06-03-two-stage, page 84 of draft)
- **Development, procurement and responsible management of new antimicrobials**
(HORIZON-HLTH-2021-IND-07-02, p152 of draft)

Partnerships



- **A roadmap towards the creation of the European partnership on One Health antimicrobial resistance (OH AMR)**
(HORIZON-HLTH-2021-DISEASE-04-05, page 76 of draft)
 - Will start ~2024/2025 and will follow on from current JPI AMR
- **Building a European partnership for pandemic preparedness** – new, start date tbc
(HORIZON-HLTH-2021-DISEASE-04-06:, page 79 of draft)

Horizon Europe – Pillar II

Example 2021-2022 topics of interest to AMR researchers

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

Pillar II - Cluster 2 'Culture, Creativity and Inclusive Society' ([Draft Work Programme](#) as at 21 April 2021)

- **Politics and governance in a post-pandemic world**
(HORIZON-CL2-2021-DEMOCRACY-01-05, p16 of draft)
- **Global governance for a world in transition: Norms, institutions, actors**
(HORIZON-CL2-2022-DEMOCRACY-01-09, p31 of draft)
- **The role of perceptions, formed by traditions, values and beliefs, in shaping European societies and politics in the 21st century**
(HORIZON-CL2-2022-HERITAGE-01-03, p54 of draft)

Pillar II - Cluster 3 'Civil Security for Society' ([Draft Work Programme](#) as at Jan 2021)

- **Improved understanding of risk exposure and its public awareness in areas exposed to multi-hazards**
(HORIZON-CL3-2021-DRS-01-01, p139 of draft)
- **Enhanced assessment of disaster risks, adaptive capabilities and scenario building based on available historical data and projections**
(HORIZON-CL3-2021-DRS-01-03, p144 of draft)
- **Developing a prioritisation mechanism for research programming in standardisation related to natural hazards and/or CBRN-E* sectors**
(HORIZON-CL3-2021-DRS-01-05, p148 of draft)
- **Improved quality assurance / quality control of data used in decision-making related to risk management of natural hazards, accidents and CBRN* events**
(HORIZON-CL3-2022-DRS-01-03, p159 of draft)

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

Horizon Europe – Pillar II

Example 2021-2022 topics of interest to AMR researchers

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

Pillar II - Cluster 6 'Food, Bioeconomy, Natural Resources, Agriculture and Environment' ([Draft Work Programme](#) as at April 2021)

Enabling sustainable farming:

- **Reaching the farm to fork target: R&I scenarios for boosting organic farming and organic aquaculture in Europe**
(HORIZON-CL6-2021-FARM2FORK-01-01, p143 of draft)
- **Animal welfare 2.0**
(HORIZON-CL6-2021-FARM2FORK-01-05, p151 of draft)
- **Vaccines and diagnostics for priority animal diseases**
(HORIZON-CL6-2021-FARM2FORK-01-06, p153 of draft)
- **Enhancing biosecurity in terrestrial livestock production**
(HORIZON-CL6-2022-FARM2FORK-01-03, p197 of draft)
- **Ecology of infectious animal diseases**
(HORIZON-CL6-2022-FARM2FORK-02-03-two-stage, p236 of draft)

Enabling sustainable fisheries and aquaculture:

- **Biosecurity, hygiene, disease prevention and animal welfare in aquaculture**
(HORIZON-CL6-2022-FARM2FORK-01-06, p203 of draft)

Targeted International Cooperation (i.e. cooperation with countries outside Europe):

- **One Health approach for Food Nutrition Security and Sustainable Agriculture (FNSSA)** – proposals must involve African organisations
(HORIZON-CL6-2021-FARM2FORK-01-18, p187 of draft)
- **Agro-ecological approaches in African agriculture systems** – proposals must involve African organisations
(HORIZON-CL6-2022-FARM2FORK-01-12, p220 of draft)
- **Support for international research on infectious animal diseases**
(HORIZON-CL6-2022-FARM2FORK-01-15, p228 of draft)

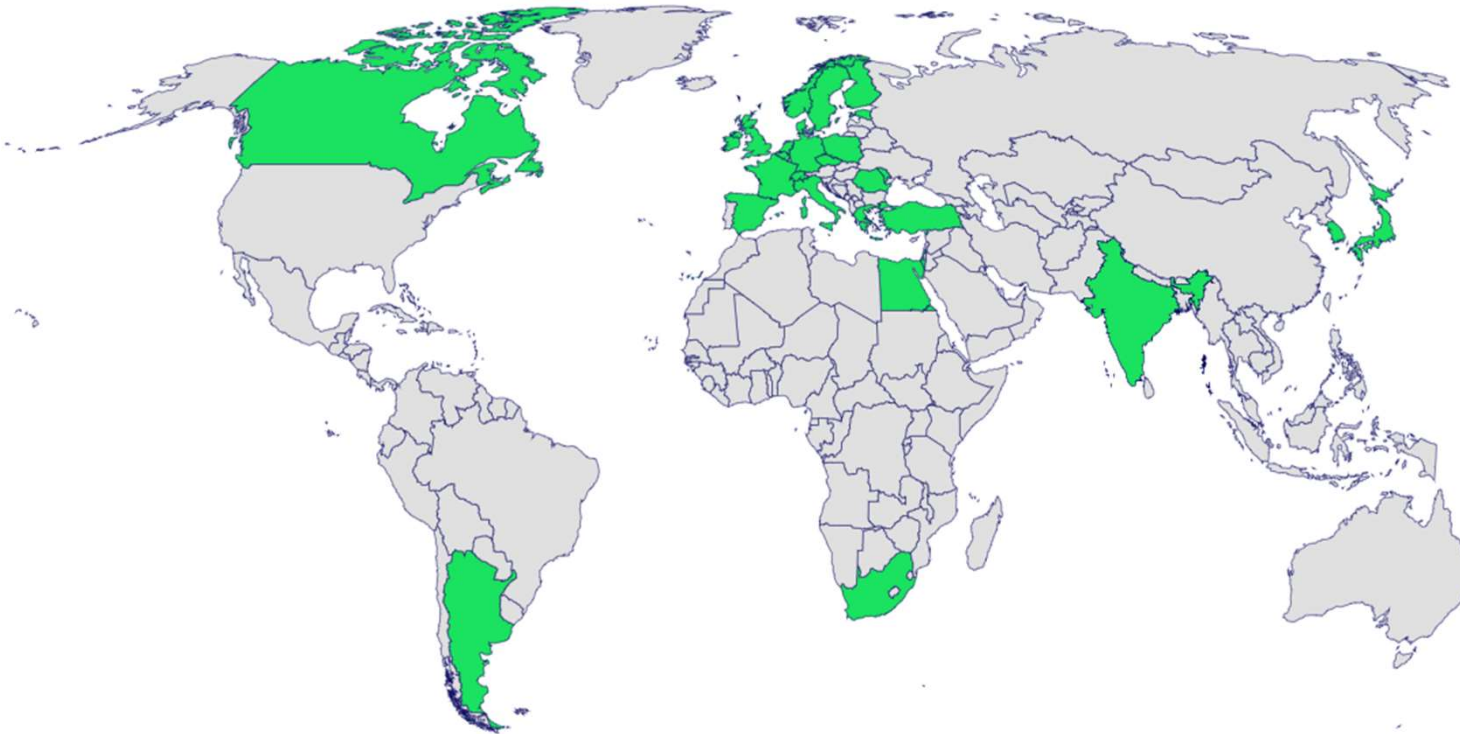


Like more info? [UK National Contact Points](#)
[National Contact Points in other countries](#)



Uniting 28 countries to address AMR

JPIAMR: A global organisation



International collaborative platform

Aligns national research funding

Coordinates AMR research and funding on a global scale

Supports One Health perspective



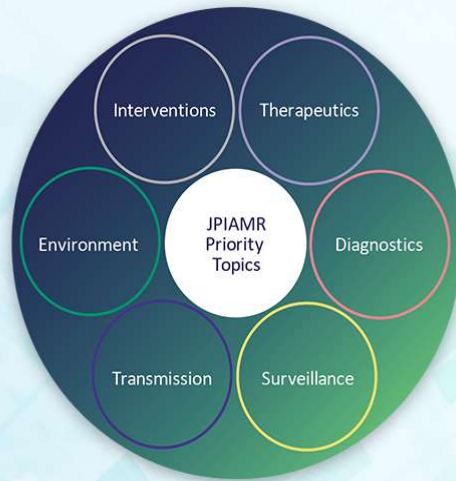
The European Commission (DG Research) is a full non-voting member

www.jpiaamr.eu twitter.com/JPIAMR facebook.com/JPIAMR

Like more info? <https://www.jpiaamr.eu/>
JPIAMR Newsletter sign-up <https://www.jpiaamr.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



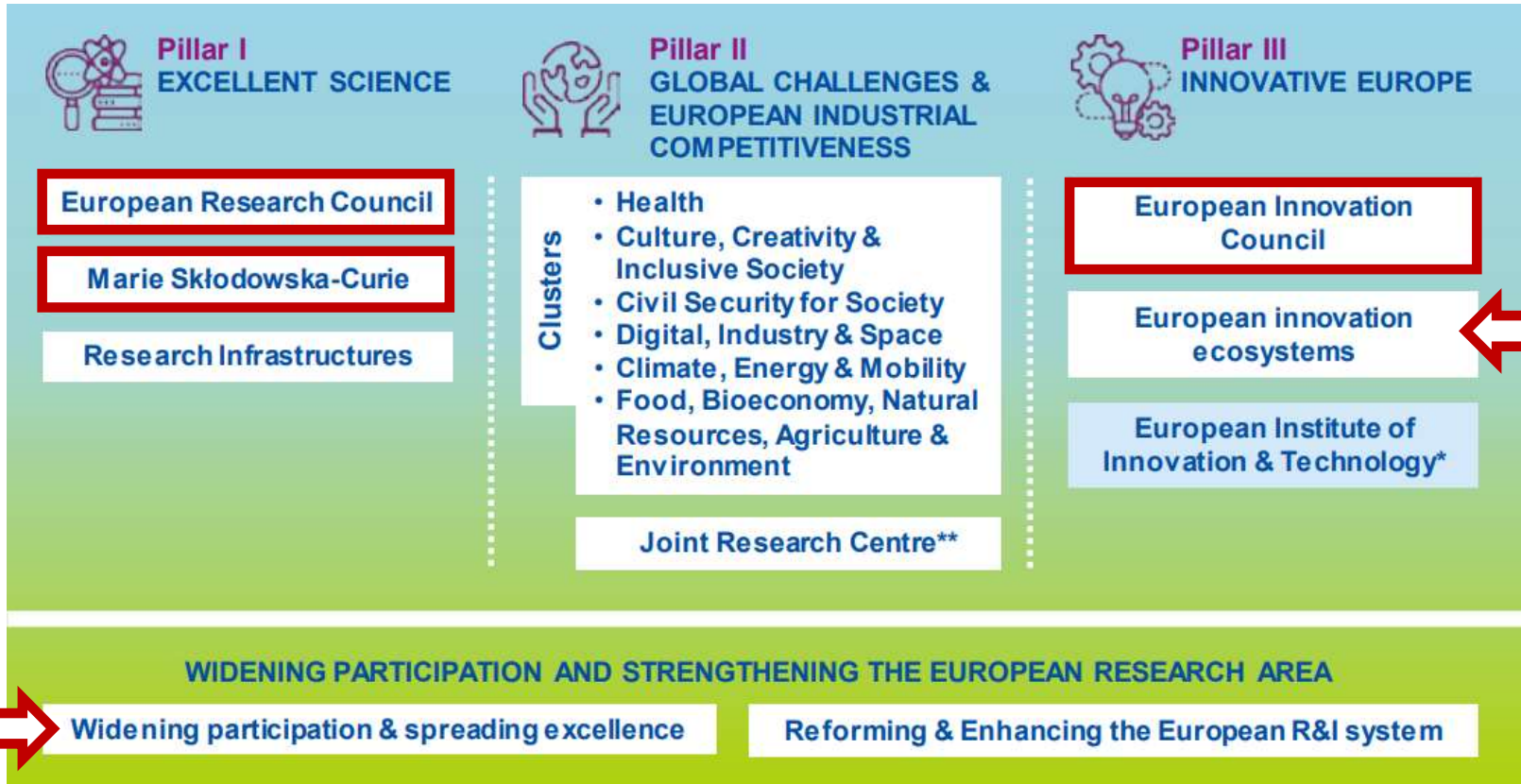
Investigation and improvement of infection prevention and control measures in One Health settings

Horizon Europe

Main 'bottom-up' opportunities

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



Includes successor to Eurostars

Includes COST

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)
- Main types of funding:
 - Starting Grants
 - Consolidator Grants
 - Advanced Grants
 - Synergy Grants



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 - Marie Skłodowska-Curie Actions (MSCA)

€6.6 Billion 2021-2027

Open to all areas of
research and innovation



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 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**

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



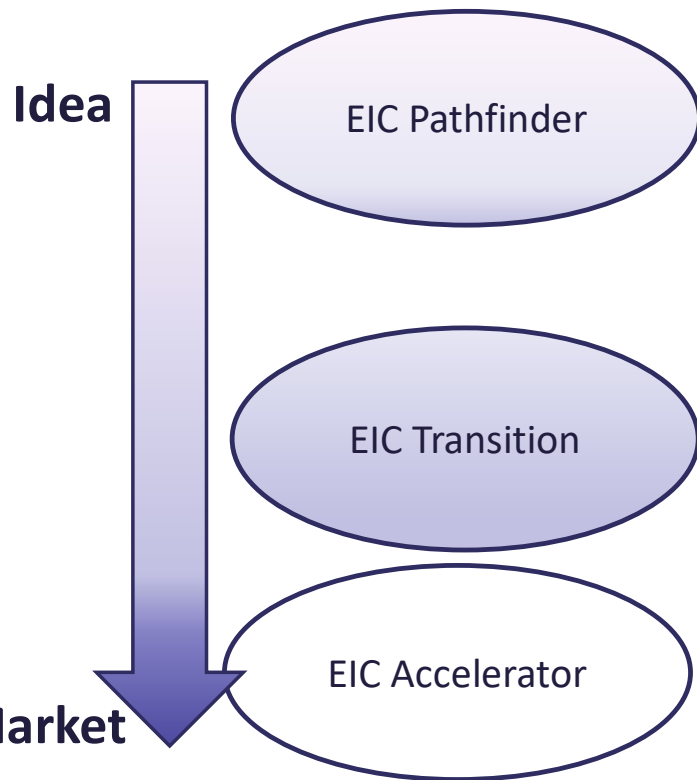
MSCA COFUND Doctoral and Fellowship Programme

- 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

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’



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

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%

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? Pathfinder UK contact: dora.meredith@innovateuk.ukri.org
 Transition/Accelerator UK contact: genevra.kirby@innovateuk.ukri.org
[National Contact Points in other countries](#)

[EIC Applicants' Day recording & presentations](#) / [EIC website](#) / [2021 Work Programme](#)



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 Innovation Ecosystems (EIE)



Eureka Countries

Likely to fund the successor to the **Eurostars programme**

- Eurostars is a joint programme between Eureka and the European Commission
 - It is co-funded from the national budgets of participating Eureka member countries
- **Funds transnational, market-oriented, collaborative R&I projects**
 - **Projects must be initiated and driven by Research and Development performing SMEs**
 - **Normally bi-annual calls which are open in scope** (next call opens July and closes Oct 2021 tbc)
- There are over 45 Eureka member countries including the UK
 - 36 of these countries take part in the Eurostars programme including non-European countries such as Canada, South Korea and South Africa
- Projects can be both bilateral and multilateral
 - For example a UK SME collaborating with an SME/other organisations from any other participating Eureka member country (does not have to be an SME from an EU Member State)
- The rules about which countries and which types of organisations are funded are explained in the call documents.
- Taking part in a Eurostars project can help growth, innovation, open new global markets and lead to greater business success
- ~1/3 of projects centre around Health and Life Sciences, 1/3 of projects centre around the Data and ICT economy, and a 1/3 are mix of several other sectors

Other Eureka funding schemes

- **Globalstars** – Funds projects involving Eureka and non-Eureka countries - each call specifies the countries involved
- **Network Projects**
- **Eureka Clusters**



Like more info? UK contact [Ben Morris](#) / [Eurostars contacts in each country](#)
[Eureka](#) and [Eurostars](#) websites / [Subscribe to the Eureka/Eurostars newsletter](#)



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.
 - You can also [join](#) the [existing COST actions](#)
 - e.g. European Network for Optimisation of Veterinary Antimicrobial Treatment – [website](#) / [newsletter](#)
- **ERA Talent Platform** for career development of researchers, with particular focus on talented researchers and opening new career trajectories for them in academia, industry and business.
 - The new platform will build on the existing [EURAXESS](#) platform which **supports researcher mobility and career development**
 - Includes info on jobs, funding, career development, [partnering](#), practical info on living and working in Europe and beyond including the UK, EURAXESS national portals include the [UK](#) Portal run by the British Council)



Innovate
UK

Horizon Europe info is based on DRAFT
Work Programme and is subject to change

Thank you

To keep up to date with the latest Horizon Europe health funding news
please sign up for our newsletter [here](#)

Presented by: Jo Frost ncp-health@innovateuk.ukri.org

[Other UK National Contact Points](#) / [National Contact Points for other countries](#)



HORIZON EUROPE

THE NEXT EU RESEARCH & INNOVATION
PROGRAMME (2021 – 2027)