



UK Research Office  
Brussels

# Horizon Europe

## An introduction

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# Agenda

## 1 Welcome

Introduction to UKRO

## 2 Horizon Europe

Introduction the 2023/2024 Work Programmes

## 3 Funding Opportunities

Overview of the funding areas

## 4 Questions and Answers



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# About UKRO

We support UK research organisations involved in EU R&I

- Maximise UK participation in Horizon Europe
- A Brussels-based team of advisors
- Part of UKRI's wider International team
- [UKRO Portal](#)
  - Dedicated news articles, events and factsheets to support participation
  - Alerts to upcoming opportunities and call updates
- UK National Contact Point
  - [European Research Council](#), [Marie Skłodowska-Curie Actions programmes](#), [Widening Participation](#) and [COST](#)

**Access to the UKRO portal is free!  
Just use your @York email address!**



# Dedicated MSCA, ERC, WIDERA and COST Resources

[Sign up for NCP newsletters](#) delivered to your inbox

Register for an event on the [UKRO events page](#)

Find out more about [MSCA, ERC, WIDERA and COST funding opportunities](#)

Contact the National Contact Points



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# Horizon Europe Participation

## UK Association

On 24 December 2020, the negotiations on the [UK-EU Trade and Cooperation Agreement](#) concluded

Included the intention of the UK to associate to Horizon Europe

[Announcement on 4 December 2023](#), **finalised association to Horizon Europe and Copernicus programmes from 1 Jan 2024 (2024 Work Programmes)**

This includes full participation in the programme (with the exception of the EIC Accelerator Investment Fund)

UK entities can participate in/coordinate projects and receive funding from Horizon Europe

[UKRO website provides latest information](#) on UK participation



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# What does this Mean?

All successful UK applicants to Horizon will be covered through the UK's association (or through the existing UK funding guarantee) for the rest of the programme.

## Work Programme 2024

- **Calls with a 2024 call identifier will be covered by association.**
- Successful applicants will receive funding from the EC for the lifetime of their grant.
- Even if the deadline is in 2023.

## Work Programme 2023

- **Calls with a 2023 call identifier will be covered by the Horizon Europe Guarantee.**
- Successful UK applicants will receive funding from the guarantee for the lifetime of their grant.
- Even if the deadline is in 2024.
- Applicants must be included as a beneficiary in order to receive funding through the Horizon Europe Guarantee.
- [UK applicants call continue to apply to calls in Work Programme 2023.](#)

## Current/On going Grants

- UK participants currently entering into, or going through, the grant agreement preparation phase will receive funding through the Horizon Europe Guarantee for the lifetime of their grant.
- Grants currently receiving guarantee funding, will continue to do so for the lifetime of their grant.



# Transitional Measures

## Calls with a 2023 Call identifier

- **Even if the call deadline is in 2024 the transitional measures apply**
- UK participants are eligible to apply as a country already associated to Horizon Europe in line with [EC FAQ](#)
  - *“UK applicants are treated as if the UK is an associated country throughout the process, from admissibility and eligibility to evaluation, up until the preparation of grant agreements. However, grant agreements can only be signed if the association has come into force.”*
- UK participants:
  - ❖ **Must apply as a Beneficiary**
  - ❖ Will receive funding from the Horizon Europe Guarantee
  - ❖ **Will become as Third Country Associated Partner at the grant agreement preparation phase**
  - ❖ Will no longer count towards minimum eligibility criteria from the grant agreement preparation phase
  - ❖ Cannot sign the grant agreement
  - ❖ Cannot coordinate



# The UK - an Associated Country

## Calls with a 2024 identifier

- Researchers in the UK can coordinate projects and lead work packages
- UK institutions will count towards the minimum eligibility criteria
- UK institutions can host ERC applicants/awardees
- Time spent in the UK will count towards the ERC requirement of time spent in an EU Member State or Associated Country
- UK based researchers can apply for all ERC grants
- UK institutions can host European Fellowship and the return phase of a Global Fellowship
- UK based researchers can apply for all MSCA funding
- Time spent in the UK counts towards long term residence for MSCA



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# Horizon Europe

## An Introduction



# Horizon Europe

The European Commission's research and innovation funding programme for 2021-2027



to strengthen the EU's scientific and technological bases and the European Research Area (ERA)



to boost Europe's innovation capacity, competitiveness and jobs



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

Total Budget 95.5 Billion EUR



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# Horizon Europe

## Enabling societal, economic & ecological transition

Sets out to shape the future of Europe

Aims to create opportunities for the world of tomorrow from the challenges of today

A sustainable, fair and prosperous future for people and the planet

Targeted actions that support green and digital transition

Support a sustainable recovery from the global crisis

Tackling climate change and supporting biodiversity

Helping to achieve [Sustainable Development Goals](#)

Boosting the Union's competitiveness and growth

Support the wider political objectives of the European Commission, including the green and digital transition and a sustainable recovery from the COVID-19 pandemic.



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# Stronger Links to EU Policy

A key instrument to meet the [6 ambitions for Europe](#) (2019 – 2024)

1. [A European Green Deal](#)
2. [An economy that works for people](#)
3. [A Europe fit for the digital age](#)
4. [Protecting our European way of life](#)
5. [A stronger Europe in the world](#)
6. [A new push for European Democracy](#)

The aims of Horizon Europe must be interpreted in the context of these EU priorities, especially:

*'European Green deal', the digital and sustainable transition, and recovery for the Coronavirus crisis*



[https://ec.europa.eu/info/sites/default/files/political-guidelines-next-commission\\_en.pdf](https://ec.europa.eu/info/sites/default/files/political-guidelines-next-commission_en.pdf)

# Translating EU Policies

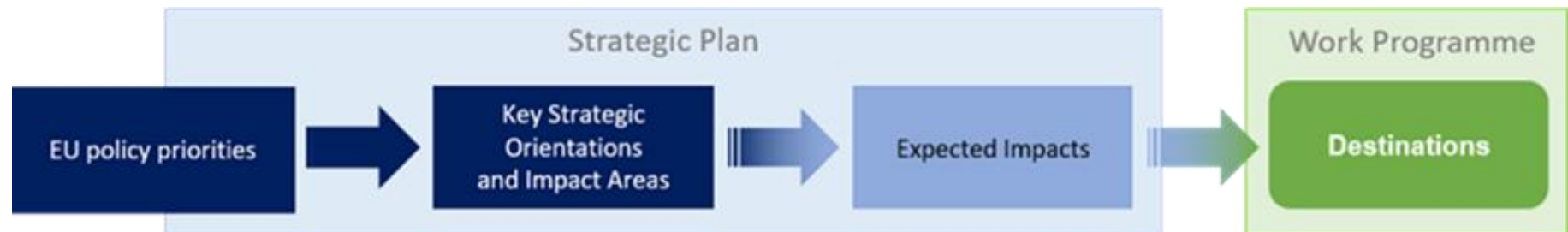
## Strategic Plan 2021-2024 and the General Introduction to the Work Programmes

Gives direction to the work programmes and sets out the 4 key impact areas ([Key Strategic Orientations](#) ) and 32 [Expected Impacts](#)

The expected impacts are targeted via dedicated packages of actions 'Destinations'

Destinations indicate both the specific direction and the ultimate point of arrival of the projects

Destinations define impacts and expected outcomes at call level to ensure priorities are effectively met and translated into concrete action



# Funding Opportunities

2023-2024 Work Programmes





# What Does Horizon Europe Look Like?



**Political agreement December 2020**  
€ billion in current prices

- Excellent Science
- Global challenges and European ind. comp.
- Innovative Europe
- Widening Part and ERA



- Pillar 1: Reinforcing and extending the excellence of the Unions science base
- Pillar 2: Boost key technologies and solutions underpinning EU policies & sustainable development goals
- Pillar 3: Stimulating market-creating breakthroughs and ecosystems conducive to innovation

- €95.5 billion (2021-2027) (including €5.4 billion from NGEU – Next Generation Europe – programme of EU for Recovery from COVID-19 crisis)

# What does it fund exactly?

Offers bottom-up opportunities through to policy driven R&I funding in all subject areas, from fundamental research through to new market activities.

- Individual fellowships
- PhD training
- Secondments
- Multinational collaborations
- Training and development
- Capacity building
- Research infrastructures
- Intersectoral collaborations
- Development of research chairs and centres of excellence
- Networking and knowledge sharing
- Standards and regulations
- Communities of practise

❖ Does this through regular programmes of activities



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# 2023-2024 Work Programmes

€13.5 billion in research and innovation

- Dedicated funding and actions to support the [green and digital transitions](#) and accelerate the delivery of the [‘European Green Deal’](#)
  - 34.5% of funds will contribute to the digital transition
  - 35.6% of funds will contribute to climate action
  - 8.5% to biodiversity related policy objectives

90% of the Cluster 5  
‘Climate, energy,  
transport’ budget

55% of the Cluster 6  
‘Food, Bioeconomy,  
Natural Resources,  
Agriculture’ budget

48% of the Cluster 4  
‘Digital, Industry and  
Space’ Environment’  
budget

5.5% of the Cluster  
1 ‘Health’ budget

65.3% of the  
‘Missions’ budget



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# 2023/2024 Calls

## The Funding and Tenders Portal

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/home>

Currently 198 open calls (deadlines from Nov 2023)

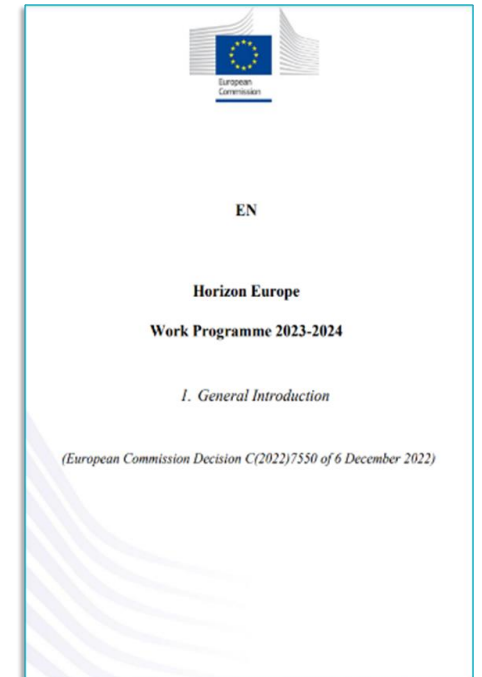
- 5 call under Pillar 1; 190 calls under Pillar 2; and 3 calls under widening participation and ERA

136 forthcoming calls (deadlines from Jan 2024)

- 19 calls under Pillar 1; 106 calls under Pillar 2; and 11 calls under widening participation and ERA

- Support security, resilience & a sustainable recovery
- Contribute to a safe & secure Europe
- Help reduce energy & other dependencies
- Build a more robust economic base

- Improve food security, cybersecurity,
- Help ensure open strategic autonomy
- Reduce dependencies on critical raw materials
- Targeted actions to support Ukraine



# Excellence Science

Pillar 1 - 2023-2024 Funding Opportunities





# European Research Council

- Established to fund **high calibre researchers in any research area** including AHSS
- Supports and encourages scientists, scholars and engineers **to be adventurous and take risks**
- To **go beyond established frontiers of knowledge** and undertake multidisciplinary, highly ambitious, innovative research.
- Specific eligibility criteria
- No mobility or nationality requirements and No need for consortium



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# European Research Council

## 2024 Work Programme

### Starting Grant

- PI between  $> 2$  and  $\leq 7$  years post PhD
- Up to €1,500,000 for 5 years.
- Additional funding up to €1,000,000 available
- **2024 Call deadline 24 Oct 2023**

### Consolidator Grant

- PI between  $> 7$  and  $\leq 12$  years post PhD
- Up to €2,000,000 for 5 years.
- Additional funding up to €1,000,000 available
- **2024 Call Deadline 12 Dec 2023**

### Advanced Grant

- PI at least 10-year track record of research achievements
- Up to €2,500,000 for 5 years.
- Additional funding up to €1,000,000 available
- **2024 Call opens 29 May 2024, deadline 29 Aug 2024**

### Synergy Grant

- group of 2 – 4 PIs to jointly address ambitious research problems
- Up to €10,000,000 for 6 years.
- Additional funding up to €4,000,000 available
- **2024 Call deadline 8 Nov 2023**

### Proof of Concept

- Previous ERC grant holders
- €150,000 lump sum for an eighteen-month period
- **2024 call opens 16 Nov 2023, deadline 14 March 2024, 17 September 2024**



# Marie Skłodowska-Curie Actions (MSCA)

- Supports researchers **at all career stages** and **across all research disciplines**
- Encourage transnational, intersectoral and interdisciplinary mobility – **3I's**
- Equip researchers with the necessary **skills and experience to support long-term employability**
- Supports fundamental research to market take-up and innovation services.



# MSC Actions

## Doctoral Networks

- Supports doctoral programmes, developed by universities, research institutions and research infrastructures, businesses including SMEs, and other socio-economic actors from different countries across Europe and beyond.
- 2023 call closed; next call deadline Nov 2024

## Postdoctoral Fellowships

- Enhances the creative and innovative potential of researchers holding a PhD.
- 2023 call closed; next call deadline Sept 2024

## Staff Exchanges

- Promote innovative international, inter-sectoral and interdisciplinary collaboration in research and innovation.
- **Call open; deadline 28 Feb 2024**
- 2023 Work Programme

## COFUND

- Co-finances new or existing doctoral programmes and postdoctoral fellowship schemes.
- **Call open; deadline 8 Feb 2024**
- 2023 Work Programme

## MSCA and Citizens

- Aims to bring research and researchers closer to the public at large, to increase awareness of research and innovation activities and to boost public recognition of science and research education.
- 2023 call closed; next call 2025 Work Programme





# Research Infrastructure

- Facilities that provide resources and services for research communities to conduct research and foster innovation
- Can be used beyond research e.g. for education and they may be single-sited, distributed, or virtual
- Contribute to the objectives of Clusters, Missions and Partnerships in Pillar II, and innovation
- Support the development of innovative cutting edge scientific instrumentation, software and methods

## **Destination 1. Developing, consolidating and optimising the European research infrastructures landscape, maintaining global leadership (INFRADEV)**

- create a world-leading coherent, responsive, sustainable and attractive RI landscape in Europe; reducing fragmentation at European, national and regional level

## **Destination 2. Enabling an operational, open and FAIR EOSC ecosystem (INFRAEOSC)**

- develop the EOSC; Transforming the way research outputs are created, shared and exploited; Improving trust in science through increased FAIRness, openness and quality of scientific research

## **Destination 3. RI services to support health research, accelerate the green and digital transformation, and advance frontier knowledge (INFRASERV)**

- will provide efficient and customised research infrastructure services to drive and enable the transition toward a sustainable Europe and a prosperous economy

## **Destination 4. Next generation of scientific instrumentation, tools and methods and advanced digital solutions (INFRATECH)**

- development of ground-breaking RI technologies, including scientific instruments, tools, methods, and advanced digital solutions, to enable new discoveries; New instruments and tools; advanced digital solutions for RI upgrade

## **Destination 5. Network connectivity in Research and Education – Enabling collaboration without boundaries (INFRANET)**

- building upon the Framework Partnership Agreement's GÉANT consortium of European NRENs.
- No call under this destination.



# Global Challenges

Pillar 2 - 2023-2024 Funding Opportunities



# Cluster 1 Health

- Improving and protecting the health of citizens at all ages
- Developing innovative solutions to prevent, diagnose, monitor, treat and cure diseases
- Focus on mitigating health risks, protecting populations and promoting good health,
- Support European Health Emergency Preparedness and Response Authority (HERA) and Europe's pandemic preparedness

## Destination 1 - Staying healthy in a rapidly changing society

- healthier lifestyles and behaviours, healthier diets, healthier environments, improved evidence-based health policies, and more effective solutions for health promotion and disease prevention.

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

- better understanding of environmental, occupational, social and economic determinants of health

## Destination 3 - Tackling diseases and reducing disease burden

- better understanding and treatment of diseases, more effective and innovative health technologies, better ability and preparedness to manage epidemic outbreaks and improved patient safety.

## Destination 4 - Ensuring access to innovative, sustainable and high-quality health care

- development and uptake of safe, cost-effective and people-centred solutions, with a focus on population health, health systems resilience, as well as improved evidence-based health policies.

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

- Health technologies, new tools and digital solutions; integration and deployment in health policies and health care systems.

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

- improved up-take of breakthrough technologies and innovations,



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# Cluster 1 – Call Examples

## **Bio-printing of living cells for regenerative medicine**

HORIZON-HLTH-2024-TOOL-11-02 Call for proposal  
Horizon Europe (HORIZON)

## **Developing EU methodological frameworks for clinical/performance evaluation and post-market clinical/performance follow-up of medical devices and in vitro diagnostic medical devices (IVDs)**

HORIZON-HLTH-2024-IND-06-08 Call for proposal  
Horizon Europe (HORIZON)

## **Pandemic preparedness and response: Maintaining the European partnership for pandemic preparedness**

HORIZON-HLTH-2024-DISEASE-08-12 Call for proposal  
Horizon Europe (HORIZON)

## **Pandemic preparedness and response: Host-pathogen interactions of infectious diseases with epidemic potential**

HORIZON-HLTH-2024-DISEASE-08-20 Call for proposal  
Horizon Europe (HORIZON)

## **Gaining experience and confidence in New Approach Methodologies (NAM) for regulatory safety and efficacy testing – coordinated training and experience exchange for regulators**

HORIZON-HLTH-2024-IND-06-09 Call for proposal  
Horizon Europe (HORIZON)

## **European Partnership: One Health Anti-Microbial Resistance**

HORIZON-HLTH-2024-DISEASE-09-01 Call for proposal  
Horizon Europe (HORIZON)



# Cluster 2 - Culture, creativity and inclusive society

- Supports EU priorities on democratic governance, citizens participation and promotes cultural heritage
- Analysing and supporting multifaceted social, economic, technological and cultural transformations.
- Reversing inequalities and their causes
- Developing evidence based policy options for the post-Covid EU green and digital recovery
- Directly contribute to UN Sustainable Development Goals (SDGs)
  - SDG 1(No poverty), SDG 3 (Good Health and Well-being), SDG 4 (Quality Education), SDG 5 (Gender Equality), SDG 8 (Decent Work and Economic Growth), SDG 10 (Reduced Inequalities), SDG 11 (Sustainable Cities and Communities), SDG 12 (Responsible Consumption and Production), SDG 16 (Peace, Justice, and Strong Institutions)

## Destination 1 -Innovative Research on Democracy and Governance

- reinvigorate democratic governance and improve trust in democratic institutions; safeguard fundamental rights to empower active and inclusive citizenship; Ukraine's invasion by Russia and the changing geopolitical context of European neighbourhood and enlargement policies

## Destination 2 - Innovative Research on the European Cultural Heritage and the Cultural and Creative Industries

- promote better access and engagement with cultural heritage and improve its protection, enhancement and restoration; support the establishment of a digital European cultural heritage collaborative space

## Destination 3 - Innovative Research on Social and Economic Transformations

- help tackle social, economic and political inequalities; support human capital development and contribute to a comprehensive European strategy for inclusive growth; support EU migration and mobility policies; reach the objectives set out by the Action Plan of the European Pillar of Social Rights



# Cluster 2 – Call Examples

## **Protest politics and cultures of opposition in democracy**

HORIZON-CL2-2024-DEMOCRACY-01-01 Call for proposal  
Horizon Europe (HORIZON)

## **What is the long-term impact of rule of law and other European values on socio-economic outcomes?**

HORIZON-CL2-2024-DEMOCRACY-01-03 Call for proposal  
Horizon Europe (HORIZON)

## **Gender-roles in extremist movements and their impact on democracy**

HORIZON-CL2-2024-DEMOCRACY-01-05 Call for proposal  
Horizon Europe (HORIZON)

## **The interrelation between social, cultural and political identities, as well as the sense of belonging, and democracies**

HORIZON-CL2-2024-DEMOCRACY-01-04 Call for proposal  
Horizon Europe (HORIZON)

## **Digital democracy**

HORIZON-CL2-2024-DEMOCRACY-01-07 Call for proposal  
Horizon Europe (HORIZON)

## **Computational Social Science approaches in research on democracy**

HORIZON-CL2-2024-DEMOCRACY-01-06 Call for proposal  
Horizon Europe (HORIZON)

## **The role and functioning of public administrations in democratic systems**

HORIZON-CL2-2024-DEMOCRACY-01-09 Call for proposal  
Horizon Europe (HORIZON)

## **Strategies to strengthen the European linguistic capital in a globalised world**

HORIZON-CL2-2024-HERITAGE-01-05 Call for proposal  
Horizon Europe (HORIZON)





# Cluster 3 - Civil Security for Society

- Support the implementation policy priorities relating to security, including cybersecurity, disaster risk reduction and resilience
- Build on lessons learnt from the COVID-19 crisis in terms of prevention, mitigation, preparedness and capacity building for crises (including health crises)

## Destination 1 - Better protect the EU and its citizens against Crime and Terrorism

- “Crime and terrorism are more effectively tackled, a better understanding of related human, societal and technological aspects, the development of cutting-edge capabilities for police authorities; measures against cybercrime.

## Destination 2 - Effective management of EU external borders

- improved air, land and sea border management and maritime security; better knowledge on social factors.

## Destination 3 - Resilient Infrastructure

- resilience and autonomy of physical and digital infrastructures; the development of cutting-edge capabilities for infrastructure operators

## Destination 4 Increased Cybersecurity

- Increased cybersecurity ; secure online environment ; respecting privacy and other fundamental rights; robust digital infrastructures

## Destination 5 - Disaster-Resilient Society for Europe

- enhanced disaster risk reduction based on preventive actions, better societal preparedness and resilience ; improved disaster risk management

## Destination 6 - Strengthened Security Research and Innovation

- evidence and knowledge-based development of EU civil security; Increased cooperation between demand and supply market actors; reduce sector specific bias



# Cluster 3 – Call Examples

## **Capabilities for border surveillance and situational awareness**

HORIZON-CL3-2023-BM-01-01 Call for proposal

Horizon Europe (HORIZON)

## **Operability and standardisation in response to biological toxin incidents**

HORIZON-CL3-2023-DRS-01-03 Call for proposal

Horizon Europe (HORIZON)

## **Robotics: Autonomous or semi-autonomous UGV systems to supplement skills for use in hazardous environments**

HORIZON-CL3-2023-DRS-01-05 Call for proposal

Horizon Europe (HORIZON)

## **Open Topic**

HORIZON-CL3-2023-FCT-01-04 Call for proposal

Horizon Europe (HORIZON)

## **Open grounds for pre-commercial procurement of innovative security technologies**

HORIZON-CL3-2023-SSRI-01-01 Call for proposal

Horizon Europe (HORIZON)

## **Beyond the state-of-the-art “biometrics on the move” for border checks**

HORIZON-CL3-2023-BM-01-03 Call for proposal

Horizon Europe (HORIZON)



# Cluster 4 - Digital, Industry and Space

- Shape competitive and trusted technologies for a European Union industry with global leadership in key areas
- Support key enabling technologies that are strategically important for Europe's industrial future
- Ensuring the competitive edge and autonomy of EU industry
- Fostering climate-neutral, circular and clean industry - opportunities for developing new technologies

## Destination 1: Climate neutral, Circular and Digitised Production

- Global leadership in clean, climate-neutral and resilient industrial value chains, circular economy and climate-neutral and human-centric digital systems and infrastructures

## Destination 2: Increased Autonomy in Key Strategic Value Chains for Resilient Industry

- Industrial leadership and increased autonomy in key strategic value chains with security of supply in raw materials

## Destination 3: World-leading Data and Computing Technologies

- Globally attractive, secure and dynamic data-agile economy

## Destination 4: Digital & Emerging Technologies for Competitiveness and Fit for the Green Deal

- Open strategic autonomy in digital technologies and in future emerging enabling Technologies

## Destination 6: A human-centred and ethical development of digital and industrial technologies

- A human-centred and ethical development of digital and industrial technologies





# Cluster 4 – Call Examples

## **Rare Earth and magnets innovation hubs (IA)**

HORIZON-CL4-2024-RESILIENCE-01-08 Call for proposal  
Horizon Europe (HORIZON)

## **Technologies for processing and refining of critical raw materials (IA)**

HORIZON-CL4-2024-RESILIENCE-01-04 Call for proposal  
Horizon Europe (HORIZON)

## **Addressing due diligence requirements in raw materials supply chains. (CSA)**

HORIZON-CL4-2024-RESILIENCE-01-10 Call for proposal  
Horizon Europe (HORIZON)

## **Technologies for extraction and processing of critical raw materials (IA)**

HORIZON-CL4-2024-RESILIENCE-01-11 Call for proposal  
Horizon Europe (HORIZON)

## **Development of safe and sustainable by design alternatives (IA)**

HORIZON-CL4-2024-RESILIENCE-01-24 Call for proposal  
Horizon Europe (HORIZON)

## **Exploration of critical raw materials in deep land deposits (RIA)**

HORIZON-CL4-2024-RESILIENCE-01-01 Call for proposal  
Horizon Europe (HORIZON)

## **Breakthroughs to improve process industry resource efficiency (Processes4Planet partnership) (RIA)**

HORIZON-CL4-2024-TWIN-TRANSITION-01-41 Call for proposal  
Horizon Europe (HORIZON)



# Cluster 5 - Climate, Energy and Mobility

- Accelerate the green & digital transitions with a view to achieving climate neutrality in Europe by 2050.
- Support the implementation of the Paris Agreement and the SDGs
- Aid recovery from the Covid-19 crisis
- Contribute to the European Green Deal, a Europe fit for the digital age, and an economy that works for the people
- Contributes to a move towards the elimination of Europe's dependency on Russian fossil fuel

## Destination 1 - Climate sciences and responses for the transformation towards climate neutrality

- Transition to a climate-neutral and resilient society and economy enabled through advanced climate science, pathways and responses to climate change (mitigation and adaptation) and behavioural transformations

## Destination 2 - Cross-sectoral solutions for the climate transition

- Clean and sustainable transition of the energy and transport sectors towards climate neutrality facilitated by innovative crosscutting solutions

## Destination 3 - Sustainable, secure and competitive energy supply

- More efficient, clean, sustainable, secure and competitive energy supply through new solutions for smart grids and energy systems based on more performant renewable energy solutions

## Destination 4 - Efficient, sustainable and inclusive energy use

- Efficient and sustainable use of energy, accessible for all is ensured through a clean energy system and a just transition.

## Destination 5 - Clean and competitive solutions for all transport modes

- Towards climate-neutral and environmentally friendly mobility through clean solutions across all transport modes while increasing global competitiveness of the EU transport sector

## Destination 6 - Safe Resilient Transport and Smart Mobility services for passengers and goods

- Safe, seamless, smart, inclusive, resilient, climate neutral and sustainable mobility systems for people and goods thanks to user-centric technologies and services including digital technologies and advanced satellite navigation services.



# Cluster 5 – Call Examples

## **Quantification of the role of key terrestrial ecosystems in the carbon cycle and related climate effects**

HORIZON-CL5-2024-D1-01-07 Call for proposal  
Horizon Europe (HORIZON)

## **Enhanced quantification and understanding of natural and anthropogenic methane emissions and sinks**

HORIZON-CL5-2024-D1-01-01 Call for proposal  
Horizon Europe (HORIZON)

## **Paleoclimate science for a better understanding of the short- to long-term evolution of the Earth system**

HORIZON-CL5-2024-D1-01-03 Call for proposal  
Horizon Europe (HORIZON)

## **Inland ice, including snow cover, glaciers, ice sheets and permafrost, and their interaction with climate change**

HORIZON-CL5-2024-D1-01-02 Call for proposal  
Horizon Europe (HORIZON)

## **Improved toolbox for evaluating the climate and environmental impacts of trade policies**

HORIZON-CL5-2024-D1-01-04 Call for proposal  
Horizon Europe (HORIZON)

## **Demonstration of improved intermediate renewable energy carrier technologies for transport fuels**

HORIZON-CL5-2024-D3-01-03 Call for proposal  
Horizon Europe (HORIZON)





# Cluster 6 - Food, Bioeconomy, Natural Resources, Agriculture and Environment

- Enhance & balance environmental, social and economic goals
- Set economic activities on a path towards sustainability.
- Reduce environmental degradation
- Halting, reversing the decline of biodiversity
- Support transition required by the European Green Deal
- Will contribute to the UN's Sustainable Development Goals (SDGs)
  - SDG 2 (zero hunger) ; SDG 3 (good health and well-being); SDG 6 (clean water and sanitation); SDG 8 (decent work and economic growth); SDG 9 (industry, innovation, and infrastructure); SDG 11 (sustainable cities and communities); SDG 12 (responsible consumption and production); SDG 13 (climate action); SDG 14 (life below water); and SDG 15 (life on land).

## Destination 1 - Land, oceans and water for climate action

- reducing greenhouse gas (GHG) emissions, maintaining natural carbon sinks; enhancing the sequestration & storage of carbon in ecosystems;

## Destination 2 - Biodiversity and ecosystem services

- Biodiversity on a path to recovery; ecosystems and services are preserved; sustainably restored on land, inland water and at sea

## Destination 3 - Circular economy and bioeconomy sectors Clean environment and zero pollution

- Sustainable and circular management and use of natural resources; Prevention and removal of pollution; unlocking the potential of the bioeconomy; guaranteeing healthy soil, air, fresh and marine water for all.; better understanding of planetary boundaries;

## Destination 4 - Fair, healthy and environmentally-friendly food systems from primary production to consumption

- Food and nutrition security; knowledge, innovation and digitalisation in agriculture, fisheries, aquaculture; sustainable, resilient food systems,

## Destination 5 - Resilient, inclusive, healthy and green rural, coastal and urban communities

- Rural, coastal and urban areas are developed in a sustainable, balanced and inclusive ; deployment of digital, social and community-led innovations

## Destination 6 - Innovative governance, environmental observations and digital solutions in support of the Green Deal

- Innovative governance models ; new knowledge, tools, foresight, and environmental observations; digital, modelling and forecasting capabilities



# Cluster 6 – Call Examples

## **Dependence of society and the economy on pollinators**

HORIZON-CL6-2024-BIODIV-01-3 Call for proposal

Horizon Europe (HORIZON)

## **Conservation and protection of carbon-rich and biodiversity-rich forest ecosystems**

HORIZON-CL6-2024-BIODIV-01-8 Call for proposal

Horizon Europe (HORIZON)

## **Societal perceptions and benefits of rural life and jobs: will COVID 19 generate a long-lasting shift?**

HORIZON-CL6-2024-COMMUNITIES-01-2 Call for proposal

Horizon Europe (HORIZON)

## **Participation and empowerment of Arctic coastal, local, and indigenous communities in environmental decision-making**

HORIZON-CL6-2024-COMMUNITIES-01-3 Call for proposal

Horizon Europe (HORIZON)

## **New sustainable business and production models for farmers and rural communities**

HORIZON-CL6-2024-COMMUNITIES-02-2-two-stage Call for proposal

Horizon Europe (HORIZON)

## **Circular solutions for textile value chains through innovative sorting, recycling, and design for recycling**

HORIZON-CL6-2024-CircBio-02-1-two-stage Call for proposal

Horizon Europe (HORIZON)

## **Ocean models for seasonal to decadal regional climate impacts and feedbacks**

HORIZON-CL6-2024-CLIMATE-01-6 Call for proposal

Horizon Europe (HORIZON)

## **EU-China international cooperation on improving monitoring for better integrated climate and biodiversity approaches, using environmental and Earth observation**

HORIZON-CL6-2024-CLIMATE-01-7 Call for proposal

Horizon Europe (HORIZON)



# Innovative Europe

Pillar 3 - 2023-2024 Funding Opportunities





# European Innovation Council (EIC)

- Will provide a coherent and connected system of innovation funding that supports projects with market potential.
- Principally targeted at Small- and Medium-sized Enterprises (SMEs) and industry – a ‘one-stop shop’ for European innovators

## Pathfinder

- Based on the FET Open
- Support international consortia working on establishing future and emerging breakthrough technologies through collaborative research and innovation projects.

## EIC Transition

- funds innovation activities that go beyond the experimental proof of principle
- restricted to applications from: EIC Pathfinder projects, FET-Open, FET-Proactive, FET Flagships, FET ERA-net and ERC PoC projects and specified H2020 and Horizon Europe funded projects

## Accelerator

- Based on the SME Instrument
- Will bridge the financing gap between late stages of innovation activities and market take-up

[https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/wp-call/2021/wp\\_horizon-eic-2021\\_en.pdf](https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/wp-call/2021/wp_horizon-eic-2021_en.pdf)



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# European Institute for Innovation & Technology (EIT)

- Aims to increase European sustainable growth and competitiveness
- Create the entrepreneurs of tomorrow and prepare for the next innovative breakthroughs
- Seeks to integrate the Knowledge Triangle of business, education and research through **Knowledge and Innovation Communities** (KICs)
  - **KICS**: EIT Climate-KIC; EIT Digital; EIT Food; EIT Health; EIT InnoEnergy; EIT Manufacturing; EIT Raw Materials; and EIT Urban Mobility, Cultural & Creative Industries
  - **Potential new KIC**: Oceans ([https://eit.europa.eu/sites/default/files/eit\\_potential\\_future\\_thematic\\_areas.pdf](https://eit.europa.eu/sites/default/files/eit_potential_future_thematic_areas.pdf))
- **Educational Activities**: Master programs, Doctoral programs and schools, Executive training & post-doctoral courses

<https://eit.europa.eu/>



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# What is WIDERA?

Supports the overall objectives of the European Research Area (ERA)

- Building research and innovation capacity for countries lagging behind
- Improving access to excellence and developing stronger R&I systems
- Building on complementarities with [smart specialisation strategies](#) and synergies with other Horizon Europe measures
- Foster brain circulation, including inter-sectoral mobility for researchers and innovators
- Encourage institutional reforms and transformation processes of the R&I system
- Two components
  1. Widening participation and spreading excellence
  2. Strengthening the ERA by reforming and enhancing the European Research and Innovation system



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# Widening Participation and Spreading Excellence

Horizontal Pillar - 2023-2024 Funding  
Opportunities



# The WIDERA Work Programme

## **Destination 1 - Improved access to Excellence**

- will address “improving access to excellence”
- particular attention will be paid to cross-cutting objectives such as gender equality and open science practices

## **Destination 2 - Attracting and mobilising the best talents**

- support further progress on the free circulation of knowledge in an upgraded, efficient and effective R&I system
- reinforce and strengthen the interaction between education and research

## **Destination 3 - Reforming and enhancing the EU research and innovation system**

- maximise the impact of the European Union's research and innovation funding for European science, the economy and the wider society
- strengthening the mobility of researchers and the free flow of knowledge and technology, to improve access to excellence, boost market uptake and prioritise investment and reform



# WIDERA– Call Examples

## **ERA Chairs**

HORIZON-WIDERA-2023-TALENTS-01-01 Call for proposal  
Horizon Europe (HORIZON)

## **ERA Talents**

HORIZON-WIDERA-2024-TALENTS-03-01 Call for proposal  
Horizon Europe (HORIZON)

## **Support to the development and implementation of policies and practices for reproducibility of scientific results**

HORIZON-WIDERA-2024-ERA-01-09 Call for proposal  
Horizon Europe (HORIZON)

## **Programme level collaboration between national R&I policy-makers**

HORIZON-WIDERA-2024-ERA-01-01 Call for proposal  
Horizon Europe (HORIZON)

## **Support for the professionalisation of research management**

HORIZON-WIDERA-2024-ERA-01-03 Call for proposal  
Horizon Europe (HORIZON)

## **Strengthening researchers' skills for better careers – leveraging the European Competence Framework for Researchers**

HORIZON-WIDERA-2024-ERA-01-04 Call for proposal  
Horizon Europe (HORIZON)

## **Experimentation and exchange of good practices for value creation**

HORIZON-WIDERA-2024-ERA-01-05 Call for proposal  
Horizon Europe (HORIZON)



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# WIDERA - Things to consider

- In most cases proposals need to be **coordinated by a Widening Country** (Destination 1 & 2)
- Many of the Destination 1& 2 calls are Coordination and Support Actions
- Some calls use 2 step application process and lump sum funding model
- Some topics have specific eligibility criteria, listed under eligibility and admissibility conditions

## Widening Countries

Bulgaria	Croatia	Cyprus	Czechia	Estonia
Greece	Hungary	Latvia	Lithuania	Malta
Poland	Portugal	Romania	Slovakia	Slovenia

Associated Countries with equivalent characteristics in terms of R&I performance and the Outermost Regions



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# Missions



# What are EU Missions?

- A portfolio of actions across disciplines
- A way to bring concrete solutions to some of our greatest challenges.
- Have ambitious goals and will deliver concrete results by 2030
- Aimed at collaboration and EU-level activity
- Cross work programme actions to support synergies and coordination
  - Including European partnerships, Clusters, MSCA, ERC, EIT and other EU funding instruments

## Horizon Europe – Missions

### What is Horizon Europe?

Horizon Europe is the EU's key funding programme for research and innovation with a budget of €95.5 billion for the period 2021-2027. It tackles climate change, helps to achieve the UN's Sustainable Development Goals and boosts Europe's competitiveness and growth.

The programme facilitates collaboration and strengthens the impact of research and innovation in developing, supporting and implementing EU policies while tackling global challenges. It supports the creation and better sharing of knowledge and technologies.

It also creates jobs, fully engages Europe's talent pool, boosts economic growth, promotes industrial competitiveness and optimises investment impact within a strengthened European Research Area.

For information on UK participation in the programme see UKRO's [dedicated factsheet](#).

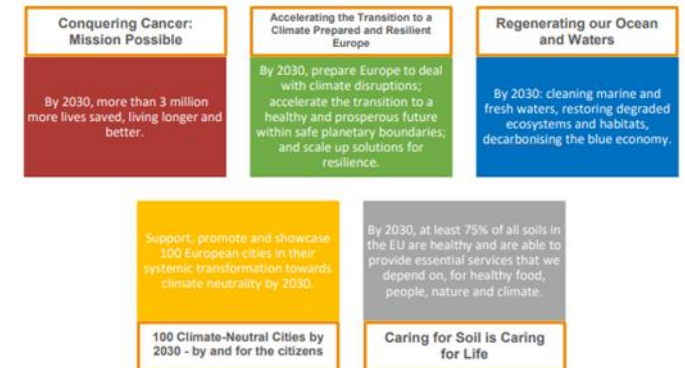
### Missions in Horizon Europe

While Horizon Europe has been designed to provide continuity with Horizon 2020 in many areas, there are some novelties as well. One of them is the concept of 'Missions' or mission-oriented funding, which the then European Commissioner for Research and Innovation, Carlos Moedas, introduced early in the development of the new Framework Programme and which has been closely followed by the community since.

Horizon Europe Missions will aim to deliver solutions to global challenges, are expected to be bold and inspirational and have the mandate to solve these challenges within a defined timeframe. They will be funded using a 'portfolio approach' with projects expected to stretch across different disciplines and parts of Horizon Europe. This will mean that they go beyond individual projects or partnerships and will create strong synergies.

Missions will have to relate to society and citizens' needs, be highly visible and have a strong impact. They are to be co-designed with the Member States and stakeholders but must also focus on keeping citizens closely involved in this process.

Five Missions were launched by the Commission in September 2021:





# Mission areas

- Cancer
  - By 2030, more than 3 million more lives saved, living longer and better
- Adaptation to Climate Change
  - By 2030, prepare Europe to deal with climate disruptions; accelerate the transition to a healthy and prosperous future within safe planetary boundaries; and scale up solutions for resilience
- Restore our Ocean and Waters by 2030
  - By 2030: cleaning marine and fresh waters, restoring degraded ecosystems and habitats, decarbonising the blue economy
- 100 Climate-Neutral and Smart Cities by 2030
  - Support, promote and showcase 100 European cities in their systemic transformation towards climate neutrality by 2030
- A Soil Deal for Europe
  - By 2030, at least 75% of all soils in the EU are healthy and are able to provide essential services that we depend on, for healthy food, people, nature and climate



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EN

**Horizon Europe**  
**Work Programme 2023-2024**

*12. Missions*

*(European Commission Decision C(2022)7550 of 6 December 2022)*

[https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/wp-call/2023-2024/wp-12-missions\\_horizon-2023-2024\\_en.pdf](https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/wp-call/2023-2024/wp-12-missions_horizon-2023-2024_en.pdf)

# Getting Involved





# Horizon Europe Getting Started

- **Think about what you want to achieve**
  - funding for yourself, capacity building, international collaboration, intersectoral collaboration etc.
- **Find a suitable call**
  - Talk to your research support services, colleagues, Horizon Europe National Contact Points to get a sense of the different opportunities available
- Look at the [Funding and Tender Opportunities Portal \(FTOP\)](#)(FTOP)
  - Make sure you have an account!
- **Find partners**
  - Talk to your colleagues and friends
  - Use the [Partner Search function](#) of the Funding and Tenders
  - Participate in thematic or information events
  - Look at [previously funded projects](#)



# Become an Evaluator For Horizon Europe

## Why

You get first-hand knowledge of application (and evaluation) process works

Better understanding of what makes a 'winning' proposal

Gain insight into Horizon Europe

Increase your profile and markers of esteem

Opportunities to influence the impact of Horizon Europe

You get paid

## How

Selected on the bases of your profile (NOT on your country or institution)

Main focus is on CV and fields of research experience

Degree of interdisciplinarity is advantageous

The EC want a good mix of ages, gender, background etc.

Register on the Funding & Tenders Opportunities Portal





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# Thank you

# Questions?



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