

AGENDA


Time	Title	Speaker
10:00	Welcome and introduction to Innovate UK KTN	Viola Hay, Innovate UK KTN
10:10	Introduction to Cluster 3 <ul style="list-style-type: none">• Work Programme 2023 / 2024	Zale Johnson, Innovate UK
10:55	Case study: End-user experience of Innovation through European Research	Trevor Francis, Home Office
11:10	Q & A	Belen Rebollo, Innovate UK KTN
11:25	BREAK	
11:30	EIC opportunities	Claire Griffin, Innovate UK
11:37	Navigating application and award process: Practical tips and support for applicants	Chris Young, Innovate UK
11:45	Q&A	Belen Rebollo, Innovate UK KTN
11:55	Close / Next steps	Viola Hay, Innovate UK KTN

Innovate UK KTN – European Programmes

Activity and support



Viola Hay
Knowledge Transfer Manager
– European Programmes



Innovate UK KTN exists to connect innovators with new partners and new opportunities beyond their existing thinking – accelerating ambitious ideas into real-world solutions.

Cross-Sector Expertise

Agrifood

Biotechnology

Chemistry

Creative Industries

Design

Digital

Electronics

Energy

Geospatial

Health

Industrial Maths

Infrastructure

Manufacturing

Materials

Photonics

Quantum

Robotics & AI

Security & Defence

Sensors

Space

Transport

Water



Innovate UK
KTN

Our Network



46,229
Unique
Organisations



72% Small
15% Medium
13% Large



234,478
innovators



Every university
in the UK

Our Outputs

66%

introduced by
KTN go on to
collaborate

42%

reach
outcomes
faster
(1-2 years)

60%

increased
investment in
R&D direct result
from KTN
engagement

£100m

per year
increased
investment in
R&D



Innovate UK
KTN

Primary Delivery Partners

UK Government



Department for
Business, Energy
& Industrial Strategy



Department for
International Trade



Foreign, Commonwealth
& Development Office



UK Science
& Innovation
Network



Department for
Digital, Culture
Media & Sport



Innovate UK
KTN



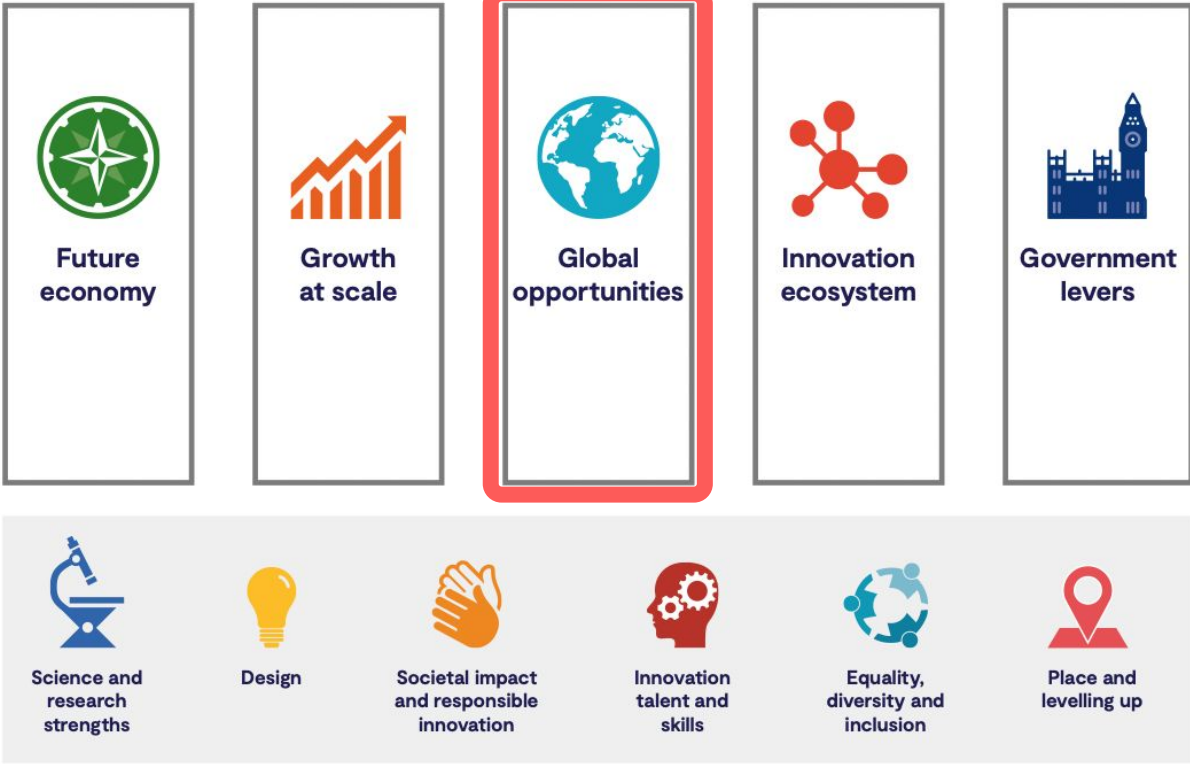
UKRI Innovate UK

Building the future economy

Plan for action for UK business innovation

inspire | involve | invest

2021–2025



Theme 3: Global opportunities

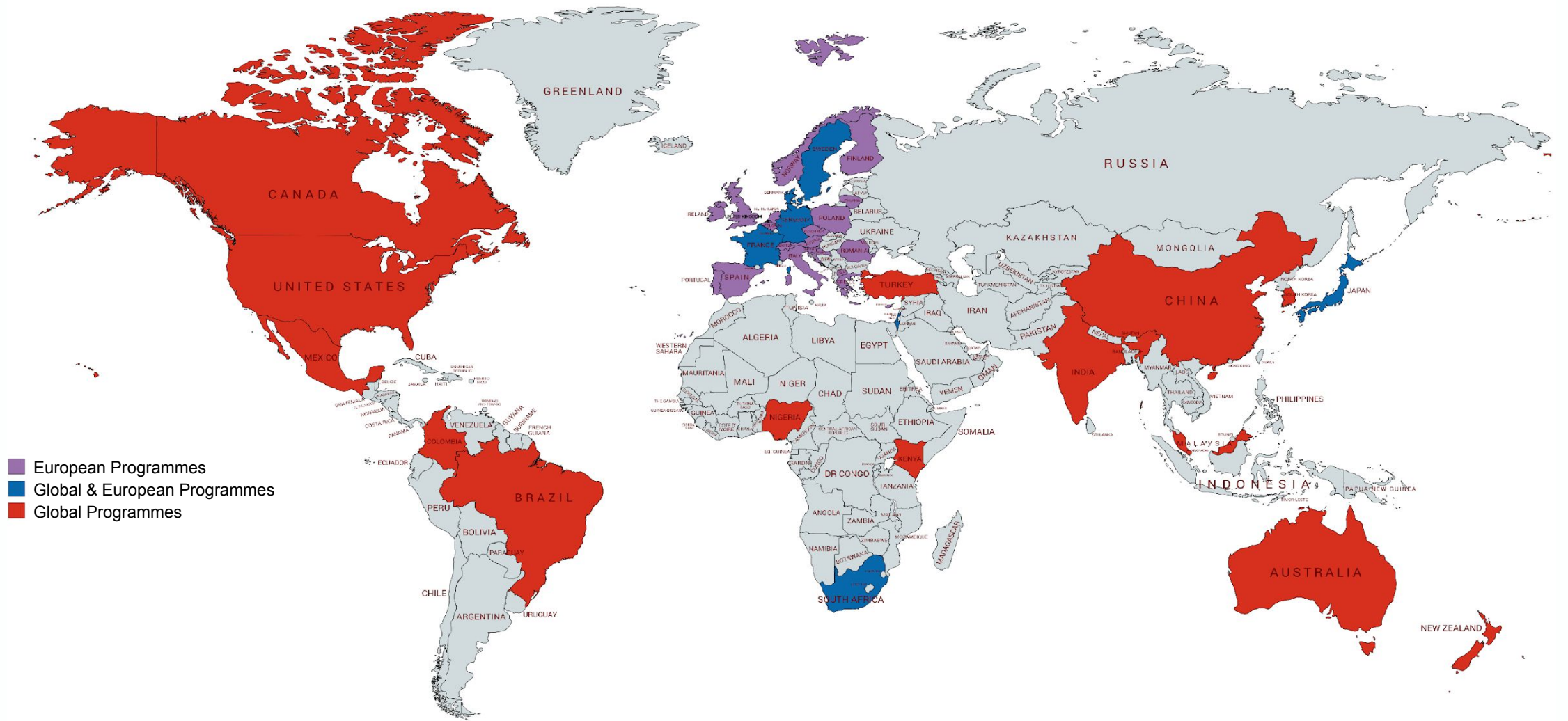
More and more countries are looking to science and innovation to build their economies and meet global challenges. There is a major opportunity for international co-operation on research and development and innovation that builds on our world-class science and research capabilities and industry strengths.

We connect **regional, national and global** innovation

Our **Global Alliance** programme drives international collaborations with governments, societies, enterprises, institutions and people from every corner of the globe.



Our Reach





Global Alliance: European Programmes

We support UK organisations in **engaging with International R&I initiatives** (i.e. Horizon Europe and EUREKA, among them) and help shape future funding priorities by:

- ◆ Organising consortium building activities / events in selected topics
- ◆ Offering “Travel Grants” to attend European brokerage events
- ◆ Managing international collaboration platforms
- ◆ Engaging with International Partnerships and Technology Platforms
- ◆ Providing sector specific advice on market opportunities and project impact

We work closely with the National Contact Points, Innovate UK Edge and the FCDO / Science Innovation Network.



Global Alliance: European Programmes

European Programmes Experts



Jane Watkins
Regional Lead



Viola Hay
Knowledge Transfer
Manager



Belen Rebollo
Knowledge Transfer
Manager

Find out more



@KTN_Global

Horizon Europe Hub

<https://ktn-uk.org/programme/european>



Innovate UK
KTN

Can the UK participate in Horizon Europe? YES!!!

The UK is a Candidate Associated Country

- Applicants should carry on working in their consortiums on the 2023 Work Programme Call topics.
- UK applicants should continue applying as beneficiaries and request EU budget at the proposal stage
- UK Horizon Europe Guarantee in place to support successful applicants if Association not in place at time of Grant Agreement



Horizon Europe Cluster 3: introduction



Zale Johnson
NCP – Civil Security for Society



Innovate
UK

Horizon Europe Civil Security for Society Work Programme 2023-24

Final Version: 6th December 2022

Zale Johnson

National Contact Point and Global Innovator
Civil Security for Society - Cluster 3
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Cluster Civil
Security for Society

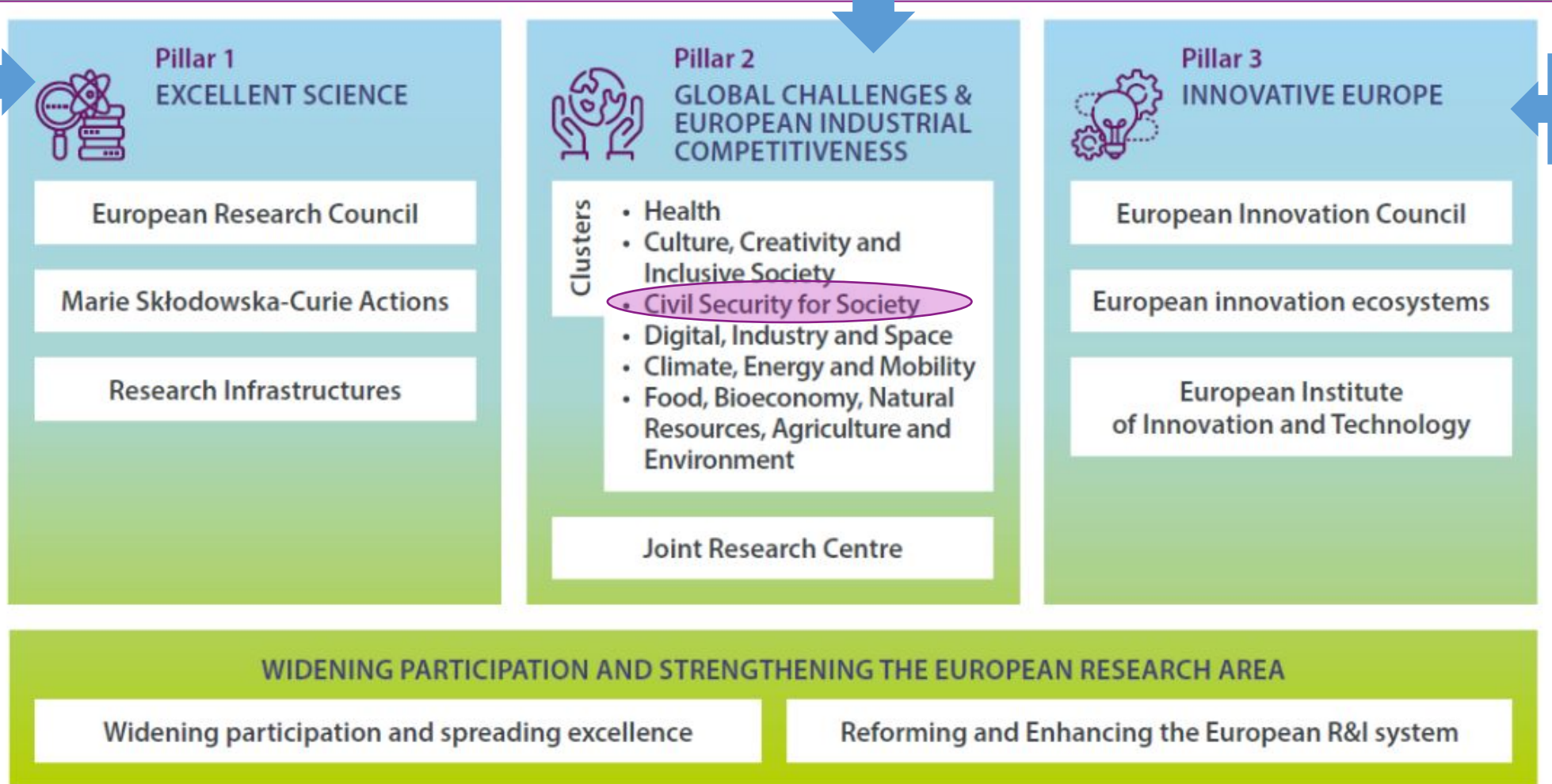
15th December 2022

Horizon Europe - Framework

€53.8bn

€24.9bn

€13.4bn



Budget of around €95.5 Billion for 2021-2027. Figures exclude UK and other Associate Country contributions

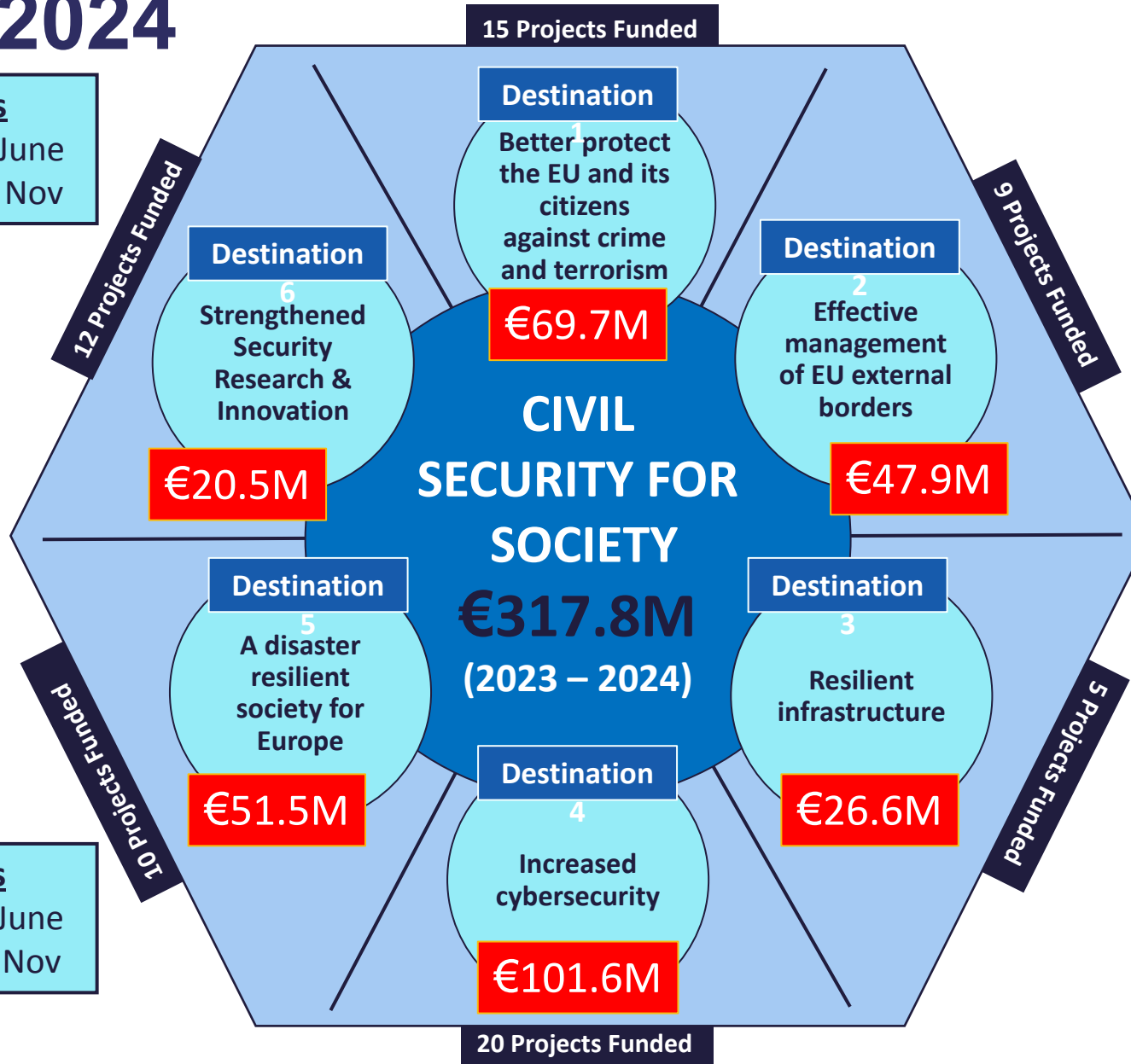
Cluster 3 - Civil Security for Society

2023-2024

2023 Calls
Opening 29th June
Deadline 23rd Nov



2024 Calls
Opening 27th June
Deadline 20th Nov

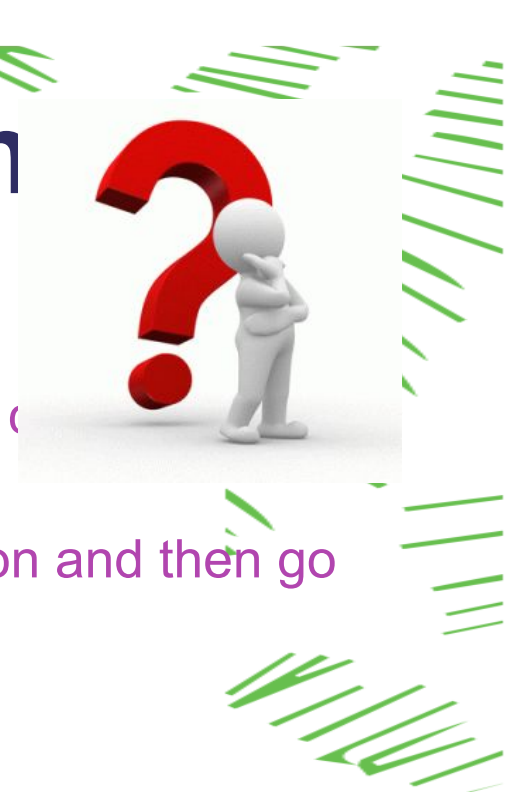


Destination 1	<ul style="list-style-type: none"> • Big data analysis to investigate crime and identify trends • Harmonised approach to drug crime and identification of drugs • Improving community policing through best practice • Countering terrorism – improved tools, processes & cooperation • Better understanding of the functions of modern organised crime • Mitigation of criminal activity relating to the IoT • Improving and harmonising forensic investigation capabilities • Better ways of investigation child sexual exploitation including covert • Understanding how gender is used for radicalisation and extremism • CBRNE and cryptocurrency related crimes
Destination 2	<ul style="list-style-type: none"> • Better border surveillance – more cost effective, efficient & flexible • Improving how UXO are dealt with • Improved biometrics at borders – ‘beyond state of the art’ • Better detection of illegal and trafficked goods
Destination 3	<ul style="list-style-type: none"> • Better ways of working together to maintain essential services • Improving digital and physical interactions to protect infrastructures • Urban planning and upgrades – more secure and resilient • Real-time data analysis for the protection of infrastructures
Destination 4	<ul style="list-style-type: none"> • Improved security, privacy and management of data • New ways of transitioning to post quantum cryptography • Improving software and hardware security • Advanced technologies for preserving privacy and identity
Destination 5	<ul style="list-style-type: none"> • Better preparedness for people and communities in emergencies • Biological toxin incidents – standardising & improving response • CBRN-E attacks – better international coordination and training • Non-human intervention for hazardous environments • Technologies to better protect first responders with a km of incident • Protection of agriculture, feed and food against CBR threats/attacks • Better forecasting of high impact natural disasters • Systems reliance arising from NaTech disasters
Destination 6	<ul style="list-style-type: none"> • Foundation building for future Pre-Commercial Procurement • Faster uptake of SME innovations • Reinforcement of the innovation cycle • Improved ways of bringing civil security innovation closer to market

Types of Actions

Action Type	Description of Project Expectations	Funding Rate
Research & Innovation Action (RIA)	<p>Research to establish new knowledge, explore the feasibility of a new or improved technology, product, process, service or solution</p> <ul style="list-style-type: none"> • Both basic and applied research, technology development and integration, testing, validation on a small-scale prototype in a laboratory or simulated environment • Limited demonstration or pilot activities aiming to show technical feasibility in a near to operational environment. 	100%
Innovation Action (IA)	<p>Activities producing plans and arrangements or designs for new, altered or improved products, processes or services. Prototyping, testing, demonstrating, piloting, large-scale product validation and market replication of innovation already been demonstrated but not yet applied/deployed in the market . A 'demonstration or pilot' to validate new or improved technology, product, process, service or solution in an operational environment, larger scale prototype or demonstrator at system level in real life operating conditions. Projects may include limited research and development activities.</p>	70% (except for non-profit legal entities, where a rate of 100% applies)
Coordination and Support Action (CSA)	<p>Actions consisting primarily of accompanying measures such as standardisation, dissemination, awareness-raising and communication, networking, coordination or support</p> <ul style="list-style-type: none"> • services, policy dialogues and mutual learning exercises and studies, including design studies for new infrastructure and may also include complementary activities of strategic planning, networking and coordination between programmes in different countries. 	100%

Points to think about prior to startin



- Its always good to prepare early
 - Only refer to the final version of the Work Programme
- Familiarise yourself with the outlay of the Work Programme (148 pages and 42 c
 - It's a big document but make it manageable in any way that helps you
- Within the Work Programme identify the right call/s for you and your organisation and then go through the:
 - General Conditions and Specific Conditions for the call
 - Familiarise yourself with the General Annexes
 - Budgets & Type of Action IA, RIA, CS, & PCP (1)
 - Eligibility criteria – those who should be involved in the proj
 - Technology Readiness Level (TRL) to be achieved by the p
 - Dates: opening dates **but especially the deadlines!**
 - The Expected Outcomes
 - The Scope
- Explore the EU Commissions Funding and Tenders Portal
 - Great source of information Funding & tenders (europa.eu)
- If in doubt , give your NCP a shout and Get in touch!

ANNEXES	
Admissibility conditions	Annex A
Eligibility conditions	Annex B
Financial and operational capacity and exclusion	Annex C
Award criteria	Annex D
Documents	Annex E
Procedure	Annex F
Legal and financial set-up of the Grant Agreement	Annex G

National Contact Points

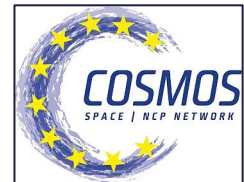
- Team of country based, sector specific, advisors to support everyone to successfully participate in EU Framework Programme.
- NCP's are recognised and mandated by the European Commission, and assist stakeholders by:
 - Raising awareness of programmes
 - Helping them to find the right topic
 - Instructing on the best ways to find partners or consortia to join
 - Helping to navigate the funding and tenders portal
 - Advising on proposal development
 - Answering questions
 - Supporting to succeed!
 - UK NCP's - [Horizon Europe funding - GOV.UK \(www.gov.uk\)](https://www.gov.uk)
 - Europe and the rest of the world NCP's - [Funding & tenders \(europa.eu\)](https://europa.eu)



IUK National Contact Points Participating in HE

UK NCP's collaborating with NCP from 36 different countries

TASKS	CSA project					
	Health HNN 3.0	Security SEREN5	Space COSMOS4H E	Bioeconom y CARE4BIO	Climate, Energy & Mobility GREENET	Digital IDEAL-IS T
Project support activities		X	X	X	X	
Events including brokerage events, matchmaking events and information days		X	X		X	X
Branding & communications including newsletters, websites and working with others external to project	X	X		X	X	X
Stakeholder support e.g. assessment needs, training and toolkits		X	X		X	X
NCP support e.g. assessment needs, training and toolkits	X	X	X	X	X	X
Policy feedback & impact		X		X		
Activities to increase the visibility of clusters	X	X				



The Layout of Calls within the Work Programme



EN

Horizon Europe
Work Programme 2023-2024

6. Civil Security for Society

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

Horizon Europe - Work Programme 2023-2024
Civil Security for Society

HORIZON-CL3-2024-FCT-01-06: Tracing of cryptocurrencies transactions related to criminal purposes

Specific conditions

Expected EU contribution per project The Commission estimates that an EU contribution of around EUR 6.00 million would allow these outcomes to be addressed appropriately. Nonetheless, this does not preclude submission and selection of a proposal requesting different amounts.

Indicative budget The total indicative budget for the topic is EUR 6.00 million.

Type of Action Innovation Actions

Eligibility conditions The conditions are described in General Annex B. The following exceptions apply:
The following additional eligibility conditions apply:
This topic requires the active involvement, as beneficiaries, of at least 3 Police Authorities²⁵ from at least 3 different EU Member States or Associated countries. For these participants, applicants must fill in the table "Eligibility information about practitioners" in the application form with all the requested information, following the template provided in the submission IT tool.

Technology Readiness Level Activities are expected to achieve TRL 6-7 by the end of the project – see General Annex B.

Security Sensitive Topics Some activities resulting from this topic may involve using classified background and/or producing of security sensitive results (EUCI and SEN). Please refer to the related provisions in section B Security — EU classified and sensitive information of the General Annexes.

Expected Outcome: Projects' results are expected to contribute to all of the following outcomes:

- The attractiveness of use of cryptocurrencies by criminals and terrorists is limited, with better tractability of cryptocurrency transactions;
- Lawful tools and methods for Police Authorities to better trace virtual currency transactions related to criminal activities;

Horizon Europe - Work Programme 2023-2024
Civil Security for Society

- Recommendations are provided for better regulation of the cryptocurrencies market as well as for better regulation of the exchange of transnational information on funds transfers, harmonizing and promoting standards to enhance the tracing of money flows in the context of criminal investigations; and
- Modern training curricula for Police Authorities, Prosecutors, as well as judicial actors are developed on tracing, seizing and handling cryptocurrencies in the course of investigation.

Scope: Cryptocurrencies are a widely used method by criminals, including terrorists, to transfer or conceal funds due to their anonymity, ease of use and lack of international borders and restrictions (exactly same aspects that make use of traditional bank routes difficult for them). With the raise of crime-as-a-service market, and growth in the number of connected transactions, use of cryptocurrency as one of the money laundering typology better tracing of cryptocurrency transactions is crucial to keep the ground in the fight against crime and terrorism. On top of it all, clandestine cryptocurrency activities are increasingly facilitated by new developments such as high privacy decentralised exchanges, which while used by perpetrators frustrate the efforts of Police Authorities to detect and recover criminal assets as well as to prevent fraudulent transactions. The future of cryptocurrencies and the extent to which criminals and terrorists will use them will depend on factors such as anonymity, future regulation, law enforcement activities and security of the systems. Innovation should explore these considerations and propose mitigation measures, from legal, organisational, and technical perspectives (including the development of tools and relevant trainings to enhanced tractability of cryptocurrencies transactions. Proposals should also propose cooperation model(s) and tools for the exchange of information between relevant authorities.

The successful proposal should build on the publicly available achievements and findings of related previous national or EU-funded projects. Coordination among the successful proposal from this topic as well as with the successful proposals under topic HORIZON-CL3-2023-FCT-01-06: *Crime as a service* should be envisaged to avoid duplication, and to exploit complementarities as well as opportunities for increased impact.

Proposals funded under this topic are expected to engage with the Europol Innovation Lab during the lifetime of the project, including validating the outcomes, with the aim of facilitating future uptake of innovations for the law enforcement community.

In this topic the integration of the gender dimension (sex and gender analysis) in research and innovation content should be addressed only if the consortium deems it relevant in relation to the objectives of the research effort.

Destination 1:

Better Protect the EU and its citizens against Crime and Terrorism

Technologies, methodologies and processes to assist Law Enforcement to:

- Increase the security of citizens while maintaining their quality of life and freedom of movement
- Fight crime and terrorism more efficiently – perpetrators that utilise novel technologies
- Have access to improved forensic tools to increase capabilities to apprehend criminals and terrorists
- Bring law breakers to court with enhanced evidence collection capabilities
- Tackle organised and serious crime through improved intelligence gathering that will better prevent, detect and deter all forms of criminal activities
- Realise a more secure cyberspace for all especially children
- Prevent harm to citizens from those that use radicalisation, extremism and sexual violence

Call – Fighting Crime and Terrorism 2023

Topic Ref	Title	Action	Budget	Projects Funded	TRL	Participation Criteria
HORIZON-CL3-2023-FCT-01-01	Processing of large, complex and unstructured datasets resulting from criminal investigations, while reconciling big data analysis and data protection	IA	7M	1	7-8	3 Police Authorities
HORIZON-CL3-2023-FCT-01-02	A harmonised European approach on drug analysis – Option A and Option B A – A harmonised European approach on the study of chemical analysis of drugs B – Detection of drugs in beverages and urine	IA	4.5M	2	6-7	2 Police Authorities 2 Forensic Institutes
HORIZON-CL3-2023-FCT-01-03	New methods and technologies in service of community policing and transferable best practices	RIA	4M	1	6-7	3 Police Authorities
HORIZON-CL3-2023-FCT-01-04	Open topic - increasing security of citizens against terrorism, including in public spaces, that are not covered by the other topics of Calls Fighting Crime and Terrorism 2021-2022, Call Fighting Crime and Terrorism 2023 and Call Fighting Crime and Terrorism 2024.	RIA	4M	1	5-7	3 Police Authorities
HORIZON-CL3-2023-FCT-01-05	Crime as a service – (using knowledge of crime to fight crime)	RIA	4M	1	5-6	3 Police Authorities
HORIZON-CL3-2023-FCT-01-06	Enhancing tools and capabilities to fight advanced forms of cyber threats and cyber-dependent crimes	RIA	4M	2	5-6	3 Police Authorities

Overall indicative budget of 36M

Call – Fighting Crime and Terrorism 2024

Topic Ref	Title	Action	Budget	Projects Funded	TRL	Participation Criteria
HORIZON-CL3-2024-FCT-01-01	Mitigating new threats and adapting investigation strategies in the era of Internet of Things	RIA	5M	1	5-6	3 Police Authorities
HORIZON-CL3-2024-FCT-01-02	Open topic - to address new, upcoming or unforeseen challenges and/or creative or disruptive forensic solutions for fighting crime and terrorism, that are not covered by the other topics of Calls Fighting Crime and Terrorism 2021-2022, Call Fighting Crime and Terrorism 2023 and Call Fighting Crime and Terrorism 2024.	RIA	4.5M	2	5-7	2 Police Authorities 2 Forensic Institutes
HORIZON-CL3-2024-FCT-01-03	Lawful evidence collection in online child sexual abuse investigations, including undercover	RIA	3.7M	1	5-6	2 Police Authorities 2 Forensic Institutes
HORIZON-CL3-2024-FCT-01-04	Radicalisation and gender	RIA	4M	1	5-6	3 Police Authorities
HORIZON-CL3-2024-FCT-01-05	CBRN-E detection capacities in small architecture	IA	6M	1	6-8	3 Police Authorities
HORIZON-CL3-2024-FCT-01-06	Tracing of cryptocurrencies transactions related to criminal purposes	IA	6M	1	6-7	3 Police Authorities

Overall indicative budget of 33.7M

Destination 2:

Effective management of EU external borders

European land, air and sea external borders strengthened through:

- Improving capabilities of checks at external borders
- Enhanced and continuous border surveillance, including maritime
- Better situational awareness and analysis support
- Improved interoperability, integration and performance of systems
- Combating identity and document fraud while protecting human rights and refugees
- Updating security management systems to prevent trafficking
- Improvements in the area of search and rescue
- Improved security in the movement of goods and detection of illegal activities without hampering trade flow

Call - Border Management 2023

Topic Ref	Title	Action	Budget	Projects Funded	TRL	Participation Criteria
HORIZON-CL3-2023-BM-01-01	Capacities for border surveillance and situational awareness	IA	7M	1	--	2 Border/Coastguard Authorities
HORIZON-CL3-2023-BM-01-02	Identify, inspect, neutralise Unexploded Ordnance (UXO) at sea	RIA	4.9M	1	--	2 Border/Coastguard Authorities
HORIZON-CL3-2023-BM-01-03	Beyond the state-of-the-art "biometrics on the move for border checks	RIA	3M	2	--	2 Border/Coastguard Authorities
HORIZON-CL3-2023-BM-01-04	Interoperability of systems and equipment at tactical level; between equipment and databases; and/or between databases of threats and materials	IA	6M	1	--	2 Border/Coastguard Authorities

Overall indicative budget of 23.9M

Call - Border Management 2024

Topic Ref	Title	Action	Budget	Projects Funded	TRL	Participation Criteria
HORIZON-CL3-2024-BM-01-01	Interoperability for border and maritime surveillance and situational awareness	IA	6M	1	--	2 Border/Coastguard Authorities
HORIZON-CL3-2024-BM-01-02	Advanced user-friendly, compatible, secure identity and travel document management	IA	6M	1	--	2 Border/Coastguard Authorities
HORIZON-CL3-2024-BM-01-03	Integrated risk-based border control that mitigates public security risk, reduces false positives and strengthens privacy	IA	6M	1	--	2 Border/Coastguard Authorities
HORIZON-CL3-2024-BM-01-04	Detection and tracking of illegal and trafficked goods	IA	6M	1	--	2 Border/Coastguard Authorities

Overall indicative budget of 24M

Destination 3: Resilient Infrastructure

Future infrastructure resilience will be enhanced through:

- The development of large-scale interconnected systems
- Upgraded systems that will enable rapid, effective and safe response to complex threats
- Decreased human intervention during threats and challenges
- Improved knowledge through developed and growing systems to better protect critical installations

Call - Resilient Infrastructure 2023

Topic Ref	Title	Action	Budget	Projects Funded	TRL	Participation Criteria
HORIZON-CL3-2023-I NFRA-01-01	Facilitating strategic cooperation to ensure the provision of essential services	IA	5M	1	6-8	3 government entities responsible for security which could include civil protection authorities at national level
HORIZON-CL3-2023-I NFRA 01-02	Supporting operators against cyber and non-cyber threats to reinforce the resilience of critical infrastructures	IA	4.7M	2	6-8	3 infrastructure operators which could include civil protection authorities at national level

Overall indicative budget of 14.4M

Call - Resilient Infrastructure 2024

Topic Ref	Title	Action	Budget	Projects Funded	TRL	Participation Criteria
HORIZON-CL3-2024-I NFRA-01-01	Resilient and secure urban planning and new tools for Eu territorial entities	IA	6.2M	1	6-8	2 local or regional government authorities
HORIZON-CL3-2024-I NFRA 01-02	Advanced real-time data analysis used for infrastructure resilience	RIA	6M	1	5-6	3 infrastructure operators which could include civil protection authorities at national level

Overall indicative budget of 12.2M

Destination 4: Increased Cybersecurity

Cybersecurity will be enhanced through:

- More resilient digital infrastructures, systems and processes
- Increased software, hardware and supply chain security
- Smart and quantifiable security assurance and certification shared across the EU
- Reinforced awareness and a common cyber security management and culture

Call - Increased Cybersecurity 2023

Topic Ref	Title	Action	Budget	Projects Funded	TRL	Participation Criteria
HORIZON-CL3-2023-CS-01-01	Secure Computing Continuum (IoT, Edge, Cloud, Dataspaces)	IA	4-6M	4	--	Not indicated
HORIZON-CL3-2023-CS-01-02	Privacy-preserving and identity management technologies	IA	2-4M	4	--	Not indicated
HORIZON-CL3-2023-CS-01-03	Security of robust AI systems	RIA	4-6M	2	--	Not indicated

Overall indicative budget of 50.7M

Call - Increased Cybersecurity 2024

Topic Ref	Title	Action	Budget	Projects Funded	TRL	Participation Criteria
HORIZON-CL3-2024-CS-01-01	Approaches and tools for security in software and hardware development and assessment	IA	4-6M	6	--	Not indicated
HORIZON-CL3-2024-CS-01-02	Post-quantum cryptography transition	RIA	4-6M	4	--	Not indicated

Overall indicative budget of 50.9M

Destination 5: Disaster Resilience Society for Europe

Society will be more resilient against disasters through:

- Exploitation of up to date scientific data that will enhance prevention, preparedness and response to disaster events
- Offering enhanced understanding and knowledge to citizens of disaster related risks to empower them to act in such situations
- More efficient cross sector/cross discipline interactions and dialogue
- Harmonised and standardised capabilities in crisis management
- Strengthened first responder capacities
- Better forecasting of disaster events
- Improved rescue and management capabilities

Call - Disaster Resilient Society 2023

Topic Ref	Title	Action	Budget	Projects Funded	TRL	Participation Criteria
HORIZON-CL3-2023-DRS-01-01	Improving social and societal preparedness for disaster response and health emergencies	RIA	4M	2	--	3 organisations representing citizens or local communities, practitioners (first and/or second responders), and local or regional authorities and private sector
HORIZON-CL3-2023-DRS-01-02	Operability and standardisation in response to biological toxin incidents	RIA	6M	1	--	2 national standards organisations
HORIZON-CL3-2023-DRS-01-03	Internationally coordinated networking of training centres for the validation and testing of CBRN-E tools and technologies in case of incidents, with consideration of human factors	IA	4M	1	--	3 training centres located in the EU and, 2 CBRN-E Centres of Excellence from targeted non-associated third countries and representatives of scientific stakeholders involved in training validation and testing of CBRN-E tools and technologies and end users (both practitioners and policy makers)

Overall indicative budget of 27.5M

Call - Disaster Resilient Society 2023

Topic Ref	Title	Action	Budget	Projects Funded	TRL	Participation Criteria
HORIZON-CL3-2023-DRS-01-04	Robotics: Autonomous or semi-autonomous UGV systems to supplement skills for use in hazardous environments	RIA	6M	1	6-8	3 first responders' organisations or agencies and representatives of local or regional authorities in charge of managing hazardous environmental sites
HORIZON-CL3-2023-DRS-01-05	Increased technology solutions, institutional coordination and decision-support systems for first responders of last-kilometer emergency service delivery	RIA	3.5M	1	--	3 first responders' organisations or agencies and representatives of local or regional authorities in charge of disaster response

Overall indicative budget of 27.5M

Call - Disaster Resilient Society 2024

Topic Ref	Title	Action	Budget	Projects Funded	TRL	Participation Criteria
HORIZON-CL3-2024-DRS-01-01	Prevention, detection, response and mitigation of chemical, biological and radiological threats to agricultural production, forestry and to food processing, distribution and consumption	RIA	4M	2	--	3 organisations representing citizens or local communities, practitioners (first and/or second responders), and local or regional authorities and private sector
HORIZON-CL3-2024-DRS-01-02	Harmonised/standard protocols for the implementation of alert and impact forecasting systems as well as transnational emergency management in the areas of high impact weather/climate and geological disasters	IA	3M	2	--	one organisation representing each of the following: - Practitioners (first and/or second responders), - Local and/or regional authorities, - Standardisation organisations,
HORIZON-CL3-2024-DRS-01-03	Hi-tech capacities for crisis response and recovery after a natural-technological (NaTech) disaster	RIA	4M	1	6-8	3 first responders' organisations or agencies and representatives of local or regional authorities in charge of managing NaTech events
HORIZON-CL3-2024-DRS-01-04	Cost effective sustainable technologies and crisis management strategies for RN large scale protection of population and infrastructures after a nuclear blast or nuclear facility incident	RIA	6M	1	6-8	3 first responders' organisations or agencies and representatives of local or regional authorities in charge of managing Nuclear Installations

Overall indicative budget of 24M

Destination 6: Strengthened Security Research and Innovation

Contribution to strengthened R&I for civil security will be realised through:

- Security capabilities are developed based on a more robust and systematic research and innovation cycle
- Increased cooperation between demand and supply actors to reduce the time between research and commercialisation/industrialisation and the adoption and deployment of security technologies
- Cross cutting R&I enabled knowledge to proliferate common security solutions

Call – Support to Security R&I 2023

Topic Ref	Title	Action	Budget	Projects	TRL	Participation Criteria
HORIZON-CL3-2023-SSRI-01-01	Open grounds for pre-commercial procurement of innovative security technologies	CSA	1M	2	N/A	6 relevant end-user organisations as well as at least 3 public procurers
HORIZON-CL3-2023-SSRI-01-02	Accelerating uptake through open proposals for advanced SME innovation: Option A, B, C & D A – Fighting organised crime and terrorism B- Disaster resilience C – Resilient infrastructure D – Border security	IA	1.5M	3	6-8	A minimum of 3 to a maximum of 7 partners. - At least 2 SMEs from 2 different Member States. - At least 1 end-user organisation relevant per area.

Overall indicative budget of 6.5M

Call – Support to Security R&I 2024

Topic Ref	Title	Action	Budget	Projects	TRL	Participation Criteria
HORIZON-CL3-2024-SSRI-01-01	Demand-led innovation through public procurement	PCP	6M	1	6-8	3 relevant end-user organisations and 3 public procurers
HORIZON-CL3-2024-SSRI-01-02	Accelerating uptake through open proposals for advanced SME innovation Option A, B, C & D A – Fighting organised crime and terrorism B- Disaster resilience C – Resilient infrastructure D – Border security	IA	2M	4	6-7	A minimum of 3 to a maximum of 7 partners. - At least 2 SMEs from 2 different Member States. - At least 1 end-user organisation relevant per area.

Overall indicative budget of 14.0M



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Thank you for your attention

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Case Study

Trevor Francis
UK Border Force





Border Force

End-user experience of Innovation through European Research.

Presented by: Trevor Francis
Date: 15th December 2022

- Prior to Horizon 2020 each customs administration did it's own R&D, if at all.
- From 2011 the Customs end-user community started collaborating on detection technology and recognised *shared challenges* to be addressed.
- The Commission recognised that these challenges could be addressed by the research programme and sought customs-specific input for the Horizon 2020 programme.



- The Customs end-user community was determined to play a role in the funded project to get the best outcome.
- Commission assumed the risk for R&D allowing customs to collaboratively explore challenges.
- Customs end-users actively sought participation in consortia.

- 2014 C-BORD up to €10M
- 2015 Stand-off Detection of drugs up to €5M
- 2018 Pan European Network of Customs Practitioners €4M
- 2019 BorderSens €5.5M
- 2020 Multiscan3D €6.9M
- 2021 Parsec €5M

Benefits of Participation in projects

- European projects provide a valuable opportunity to collaborate on a common challenge.
- Collaboration through projects allows us to achieve possibly more than our respective administrations could fund.
- Participation in projects builds durable relationships with other like-minded partners from academia, industry and Government.



Benefits of Participation in projects

- As an end-user we welcome the opportunity to work collaboratively with motivated partners on a problem that is dear to us.
- The relationships and networking will endure after the project and may lead to further collaborations.
- There is a sense of purpose in influencing development of something where a gap exists.



Evolution of end-users in projects

- End-users would wait to be contacted by consortia, generally late in development of proposal.
- Now end-users more proactive in building consortia around the “vision” of our approach.
- The last proposal we were successful in, end-users also determined the technologies to use. 2 of 3 had received UK funding earlier in their development.



Potential disadvantages

- End-users may only be able to commit to 1 topic despite several viable topics being called.
- Not all projects will lead to a successful outcome. Sometimes the science, or approach has limitations. It still has value though.



Thank you

- Good Luck
- Trevor Francis
(trevor.francis2@homeoffice.gov.uk)



Q&A Panel



Belen Rebollo-Garcia
Knowledge Transfer Manager

BREAK



Option of watching UKRI video on experiences from Horizon 2020 and Horizon Europe UK grantees

https://www.youtube.com/watch?v=qdxHQ_7VRFq&list=PLkjB0VcEI5P_zFLV2oKywwXzZ4Vz2l8Zu



EIC Opportunities



Claire Griffin
NCP for EIC



Innovate
UK

Horizon Europe European Innovation Council (EIC)

Claire Griffin
UK NCP for EIC

**HORIZON
EUROPE**

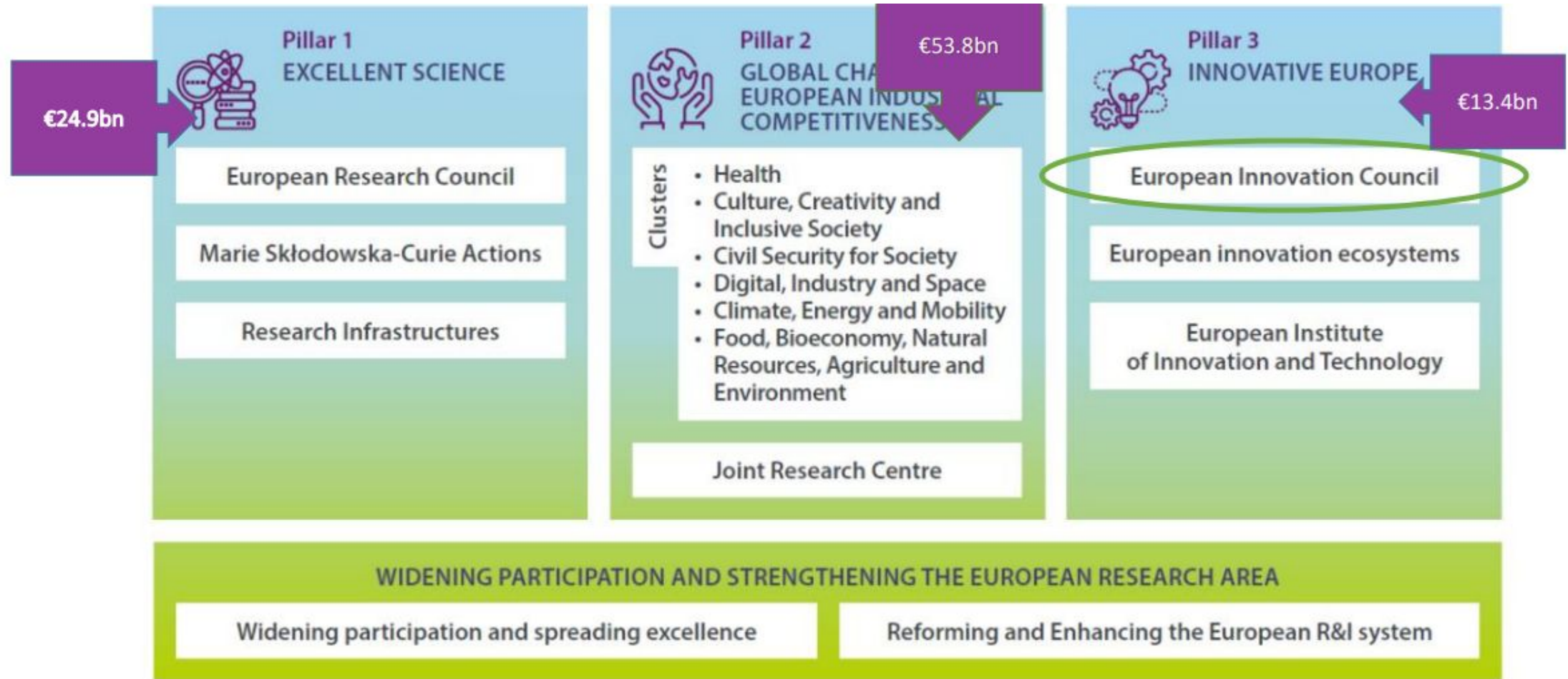


THE EU RESEARCH & INNOVATION
PROGRAMME 2021 - 2027

#HorizonEU



Horizon Europe Structure



Find a UK NCP

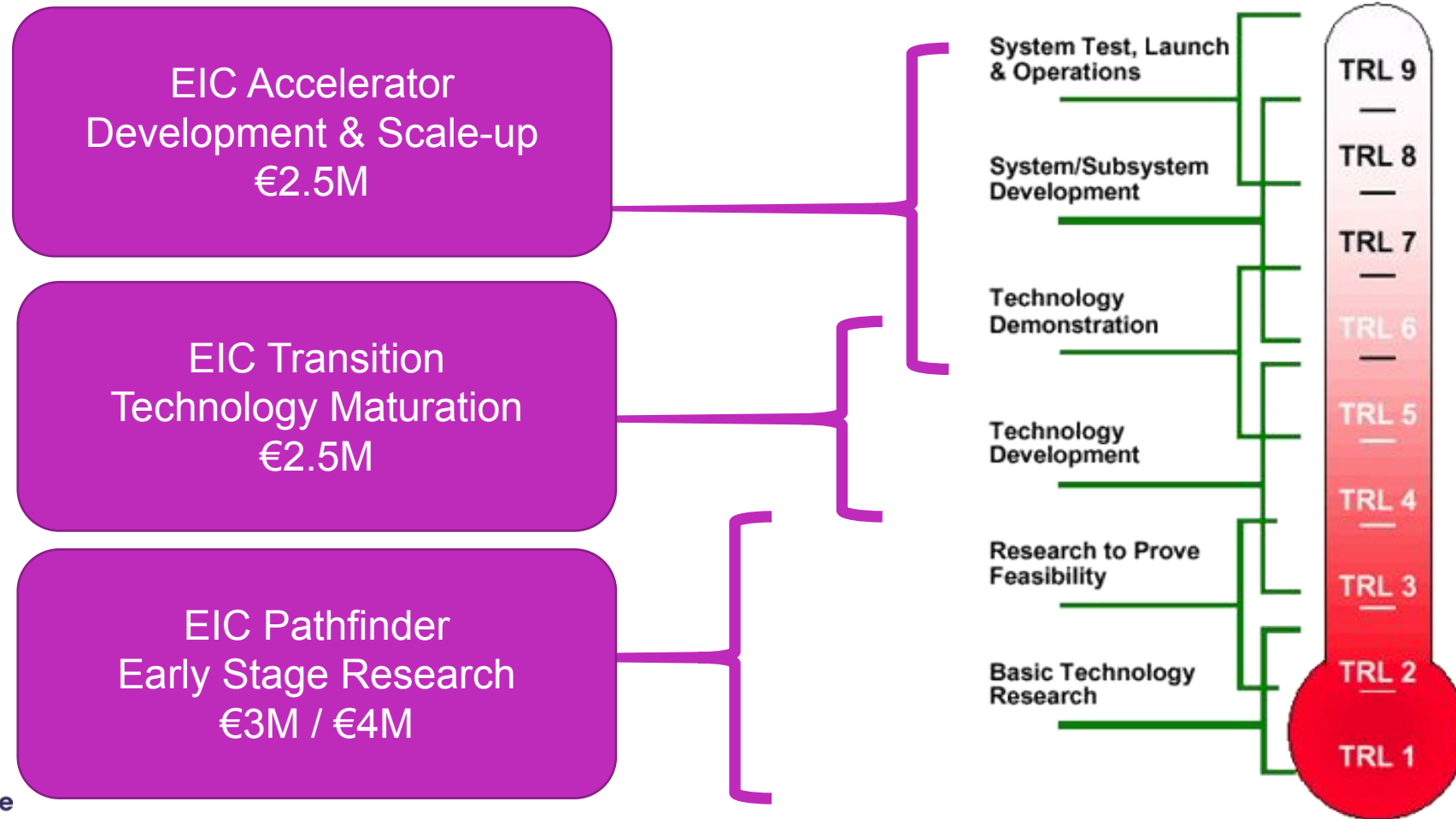
European Innovation Council (EIC)

- Europe's flagship innovation programme to identify, develop and scale-up breakthrough technologies and game changing innovations.
- Annual Work Programme (2021, 2022, 2023)
- €1.2 Billion in 2023
- Unique feature – provides funding for individual companies (Start-ups and SMEs)
- [INFO DAY](#)

EIC Main Characteristics

- Identify, develop and deploy high risk innovations of all kinds
- From Idea to Market
- Focus on breakthrough, market-creating, deep-tech
- Steered by EIC Board of leading innovators
- Business Acceleration Services
- Pro-active management with EIC Programme Managers
- Follow-up funding for results from Horizon (e.g. ERC, EIT)

Main funding instruments



EIC WP 2023 – Deadlines and Budget

	Open Calls	Budget (EUR M)	Challenge Calls	Budget (EUR M)
EIC Pathfinder	7 March 2023	179.50	18 October 2023	163.50
EIC Transition	12 April 2023 27 September 2023	67.86	4 May 2022 28 September 2022	60.5
EIC Accelerator	Short applications: Continuous Full applications: 11 January 2023 22 March 2023 7 June 2023 4 October 2023	611.75	Short applications: Continuous Full applications: 22 March 2023 7 June 2023 4 October 2023	523.49

EIC - Open or Challenges

Open

- Bottom-up.
- Any field of science, technology or application without predefined thematic priorities

Challenges

- Top-down, challenge driven, portfolios of project approach.
- To support proposals within a predefined thematic area and addressing specific objectives

EIC Pathfinder

Who can apply

- At least 3 different independent legal entities in at least three different eligible countries

What for?

- Grants of up to 4M€
- To achieve the proof of principle and validate the scientific basis of breakthrough (TRL 1-4)



EIC Pathfinder Challenges 2023

- Clean and efficient cooling (Info Day 16 March tbc)
- Architecture, Engineering and Construction (AEC) digitalisation for novel triad of design, fabrication and materials (Info Day 2 February)
- Precision nutrition (Info Day 31 January)
- Responsible electronics (Info Day 9 February)
- In-space solar energy (Info Day 26 January)

EIC Transition

Who can apply?

- **Open** - Build on Eligible funded projects (EIC Pathfinder, FET (open, proactive & Flagship, ERC PoC, EDF (Civil applications)
- **Challenge** – *any previously funded H2020 or HEu Project*
- **Single applicants** (SMEs, spin-offs, start-ups, research organisations, universities) or **small consortia** (two partners) or **consortia of three to five different** independent legal entities established in at least three different eligible countries.

What for?

- Grants of up to 2.5M€ to validate and demonstrate technology in application relevant environment (TRL4 to 5/6)



EIC Transition Challenges

- Micro-Nano-Bio devices for medical and medical research applications (info day TBC)
- Environmental intelligence (Info Day 1 February)
- Chip-scale optical frequency combs (Info Day 9 Feb)

EIC Accelerator

Who can apply?

- 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 499 employees)

What for?

- Grant only (**UK Based**) – 70%
- Up to €2.5M for innovation activities (up to TRL8)



EIC Accelerator Challenges

Emerging and strategic technologies in

- Biomarkers for cancer (Info Day 3 Feb)
- Decontamination for pandemic management (tbc)
- Energy storage (Info Day 1 February)
- New European Bauhaus & ACE digitisation for decarbonisation (Info Day 2 February)
- Quantum computers or Semiconductor components (Info Day 9 February)
- Novel tech for Resilient Agriculture (Info Day 31 January)
- Space technologies and services (Info Day 26 January)

	Challenge	date for Info Day
Pathfinder	Clean and efficient cooling	March 16 (tbc)
Pathfinder	Architecture, Engineering and Construction digitalisation for a novel triad of design, fabrication, and materials	February 2
Pathfinder	Precision nutrition	January 31
Pathfinder	Responsible electronics	February 9
Pathfinder	In-space solar energy harvesting for innovative space applications	January 26
Transition	Full scale Micro-Nano-Bio devices for medical and medical research applications	(tbc)
Transition	Environmental intelligence	February 1
Transition	Chip-scale optical frequency combs	February 9
Accelerator	Novel biomarker-based assays to guide personalised cancer treatment	February 3
Accelerator	Aerosol and surface decontamination for pandemic management	(tbc)
Accelerator	Energy storage	February 1
Accelerator	New European Bauhaus and Architecture, Engineering and Construction digitalisation for decarbonisation	February 2
Accelerator	1) Emerging semiconductor and 2) Quantum technology components	February 9
Accelerator	Novel technologies for resilient agriculture	January 31
Accelerator	Customer-driven, innovative space technologies and services	January 26

New EIC opportunities

Internship Scheme

- Eligible researchers to carry out innovation internship in hosting company.

Pilot – test EIC innovations for potential clients / procurers

Pilot - Executives in Residence Action

- Set up network of C-level executives to mentor EIC research projects with spin-out potential.

EIC Challenges workshop for 2024

- 22 – 27th September 2022
- Discussion on applied methodology + outcome expectations
- Energy Systems and Green Technologies
- Advanced Materials and Environmental Sustainability
- Architecture Engineering Construction

Available – individual reports

- [EIC Challenges Workshop with Member States \(europa.eu\)](https://europa.eu)





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Thank you

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Facebook: [Innovate UK](#)

YouTube: [Innovate UK](#)





Navigating application and award process: Practical tips and support for applicants



Chris Young
NCP for Legal and Financial Issues





UK Research
and Innovation

Proposal submission and grant negotiations – practical considerations

Chris Young
Horizon Europe UK Legal and Financial
National Contact Point

christopher.young@iuk.ukri.org

HORIZON EUROPE

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



Proposal submission - general principles

- UK organisations – **submit as a beneficiary/coordinator** – candidate Associate Country
- Complete budget tables in full (Part A and Part B)
- Note eligibility requirements – multi-beneficiary topics – 1x MS + 2x MS/AC (consider + UK)
- Topic specific issues – participants, budget etc
- Consider NDA/MoU

Roles and responsibilities – Beneficiary and Coordinator

- Organisations can participate in various roles: as **coordinator**, **beneficiaries**, affiliated entities, associated partners, in-kind contributors, subcontractors or recipients of financial support to third parties.
- Beneficiaries are entities that sign the Grant Agreement
- The **coordinator** is the beneficiary who is the central contact point for the Commission and represents the consortium (towards the Commission) – they act as the “banker” for EU funds
- Ideally, the work should be done by the beneficiaries and their affiliated entities **themselves**, but if needed, they may involve other partners and rely on outside resources (*purchase new equipment, goods, works or services, subcontract a part of the work or involve associated partners, etc*).

Roles and responsibilities – Associated partners

- **Associated partners** – they implement action tasks but do not receive EU funding
- They do not sign the Grant Agreement but are actively involved in the consortium
- The Grant Agreement mentions them and defines their role but they are NOT beneficiaries
- The consortium is responsible for the implementation of the actions tasks by the Associated partner
- They do not have to account for their costs but applicants should include their costs in the budget of their proposal under other sources of finance, financial contributions and own resources headings

Roles and responsibilities – Subcontractor

- **Subcontracts** – these concern the implementation of "action tasks" as set out in Annex I of the Grant Agreement ie part of the project/project tasks that have been outsourced.
- The price for the subcontracts will be declared as subcontracting costs in the financial statement.
- Subcontractor's motivation is financial, not the project itself and is paid by the beneficiary in exchange for its work
- Subcontracting is limited and certain tasks are excluded (eg. Coordination)

Example : Subcontract to organise a conference that is set as part of the tasks in the description of the action

Budget for the proposal

- The budget categories to be used for the call are set out in the call conditions and explained in the Annotated Model Grant Agreement
https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/common/guidance/aga_en.pdf
- The budgeted costs should be based on a detailed and accurate estimation of your estimated project costs (based on the cost eligibility rules). They should include *all* your estimated costs.
- Cross-check Part A and Part B to see if you will also need to submit a detailed budget table or outline budgetary details in Part B.
- Keep your estimates on file — you may be required to produce them later on
- Only the white cells need to be filled in (the grey cells are not applicable or automatically filled by the system)

Part A - Budget for the proposal

3 – Budget for the proposal

No	Participant name	Country	Estimated expenditure						Estimated income								
			Estimated eligible costs						Requested EU contribution			Revenues	Other sources of financing		Total estimated income (k)+(n) +(o)+(p)+ (q) + (r)		
			A. Personnel costs/€ (a1)	B. Subcontracting costs/€ (b)	C. Purchase costs			D. Other cost categories D.X (specific cost category) /€ (dx)	E. Indirect costs/€ (e) = 25% * ((a1) + (c1) + (c2) + (c3) + (d7))	Total eligible costs (h) = (a1) + (b) + (c1) + (c2) + (c3) + (d) + (e)	Funding rate (U)	Maximum EU contribution to eligible costs (l) = (U) * (h)	Requested EU contribution to eligible costs/€ (Requested grant amount) (m) (n)	Income generated by the action (o)		Financial contributions (q)	Own resources (r)
					C.1 Travel and subsistence/€ (c1)	C.2 Equipment/€ (c2)	C.3 Other goods, works and services /€ (c3)										
1	Participant 1	NL															
2	Participant 2	LB															
	Affiliated Entity	LB															
3	Participant 3	DE															
	Associated Partner	AR															
Total																	



Part A - Budget for the proposal

Estimated project expenditure												
Estimated eligible costs												
D. Other cost categories												
No	Participant name	Country	D.1 Financial support to third parties (Actual costs) (d1)	D.2 Internally invoiced goods and services (Unit costs - usual accounting practices) (d2)	D.3 Transnational access to research infrastructures (Unit costs) (d3)	D.4 Virtual access to research infrastructures (Unit costs) (d4)	D.5 PCP/PPI procurement costs (Actual costs) (d5)	D.6 Euratom Cofund staff mobility costs (Unit costs) (d6)	D.7 ERC additional funding (Actual costs) (d7)	D.8 ERC additional funding (subcontracting, FSTP and internally invoiced goods and services) (Actual costs) (d8)		
1	Participant 1	NL										
2	Participant 2	LB										
	Affiliated Entity	LB										
3	Participant 3	DE										
	Associated Partner	AR										
Total												

Successful evaluation – change of status (current position)

- On successful evaluation - change from beneficiary to associated partner
- Confirm participation - Associated Partner - Letter of Intent (refer to guarantee and UK R&D roadmap 2020 p43
https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/896799/UK_Research_and_Development_Roadmap.pdf
- If threatened with removal:
 - inform PO; seek support (Consortium - ask for a vote)
 - Negotiate a lower budget
 - If NDA/MoU in place seek to enforce
 - Contact NCP

Standard European Commission text following successful evaluation

- Ineligible - identify new participant (minimum eligibility requirements) ie 3x MS/AC (+UK)
- Change to Associated Partner
- Redistribute tasks to existing beneficiaries and/or new participant (coordinator role)

Accordingly, your proposal will be declared ineligible and the Grant preparation terminated, unless you consider the steps suggested below.

To address the ineligibility of your proposal, I am inviting you to take the following possible actions so the Grant preparation of your proposal can continue:

Step1. Identification of new participant

Identify a new participant(s) established in a Member State or an Associated Country not present in the original proposal to make sure that the proposal complies with the minimum eligibility conditions for participation. This new participant must take over some of the tasks (possibly including the tasks of the UK participants).

The redistribution of the budget and tasks will be accepted as non-substantial change unless these changes would put into question the results of the evaluation.

Step2. Change of status of the participant from beneficiary to associated partner

Provided that the legal entities established in the United Kingdom are able to fund their tasks, their status may change from a beneficiary into an associated partner within the meaning of Article 9.1 of the Horizon Europe Model Grant Agreement. The total EU funding to the project will be reduced accordingly, except for tasks taken over by the new or existing eligible beneficiaries.

A redistribution of the remaining budget and tasks may be requested and should be accepted as non-substantial change unless it would put into question the results of the evaluation.

The entity may be later re-established as a beneficiary through a grant amendment if the association agreement with the United Kingdom becomes applicable and if requested by the consortium. If the association agreement provides for retroactive application prior to the start of the action and if the status changes to beneficiary, such conditions will apply.

Alternative step 2: Withdrawal of the legal entities from participation in the proposal

The tasks of the legal entities established in the United Kingdom are taken over either by the remaining other beneficiaries of the proposal, subject to the fulfilment of the minimum eligibility conditions for participation of the proposal, or by one or more additional new beneficiaries established in a Member State or an Associated country. The legal entity established in the United Kingdom is withdrawn from the project. The total EU funding to the project may remain unchanged.

Associated partners - overview

UK organisations post successful evaluation – third country participant

DO NOT receive EU funding – self funding

DO NOT sign the Grant Agreement – NOT beneficiaries

CANNOT be the official coordinator (but can be scientific/technical coordinator)

DO NOT account for costs to EC - self funding/government guarantee

CAN be WP leaders, implement actions tasks – fully participate

Recognised role - Grant Agreement (Article 9.1) – role and tasks (Annex 1)

Associated partners and the Consortium Agreement

- UK participants convert to Associated Partners – third country participant - note access rights on portal, no right to Grant Agreement
- No direct right of EC to enforce - Consortium is responsible for the implementation of the actions tasks by the Associated partner
- Provisions from the Grant Agreement inserted in the Consortium Agreement – DESCAs <https://www.desca-agreement.eu/desca-model-consortium-agreement/>
- Grant Agreement - Article 9.1
- Associated partners sign the Consortium Agreement – director or equivalent (not on the portal)
- Belgium law applies (insurance)

Consortium Agreement – Article 9.1

- Articles 9.1 lists the provisions that apply to Associated Partners as follows:
 - Article 11 (proper implementation)
 - Article 12 (conflict of interests)
 - Article 13 (confidentiality and security)
 - Article 14 (ethics)
 - Article 17.2 (visibility)
 - Article 18 (specific rules for carrying out action)
 - Article 19 (information)
 - Article 20 (record- keeping)
 - Article 25 (rights of various organisations).
- Above listed in the government guarantee p24/25
<https://www.ukri.org/wp-content/uploads/2021/12/UKRI-031122-HorizonEuropeGuaranteeGuidance.pdf>

Associated partner/Consortium Agreement – current UK issues – practical considerations

- Proposal submission – Beneficiary - consider NDA/MoU or simple contract re ownership
- On successful evaluation - confirm participation - Letter of Intent (refer to guarantee)
- If threatened with removal:
 - inform PO; seek support (Consortium - ask for a vote)
 - Negotiate a lower budget
 - If NDA/MoU in place seek to enforce
 - Offer indemnity (shortfall in the budget)
 - Contact NCP
- Consortium Agreement – Limit any liability (total project costs), indemnity (only if pushed), right to the Grant Agreement (and amendments), carve out from financial provisions



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Thank you



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UK Research and Innovation



Q&A Panel



Belen Rebollo-Garcia
Knowledge Transfer Manager



Key dates & Key Messages



Some Key dates for you

EU info days

https://research-and-innovation.ec.europa.eu/events/horizon-europe-info-days_en

- Health (Cluster 1): 19 January 2023
- Culture, Creativity and Inclusive Society (Cluster 2): 17 January 2023
- Digital, Industry and Space (Cluster 4) Info day – 12 - 14 December 2022
- Climate, Energy and Mobility (Cluster 5) Info day – 15 - 16 December 2022
- Food, Bioeconomy (Cluster 6) info day – 13 - 14 December 2022
- Research Infrastructures: 6 December 2022
- Marie Skłodowska-Curie: 7 December 2023 (*Staff exchanges*)

Horizon Europe

Horizon Europe is an opportunity for all types of UK organisations (including businesses and academia) to get funding for research and innovation. For UK businesses this is an opportunity to collaborate with partners with the right expertise to expand markets and accelerate innovation across Europe and internationally.

UK Horizon Europe Hub <https://ktn-uk.org/programme/european/>

Horizon Europe Webinar Series

- 1 December 2022, 10am-12pm GMT – Cluster 5: Climate, Energy and Mobility
- 2 December 2022, 10am-12pm GMT – Cluster 1: Health
- 6 December 2022, 10-12pm GMT – Cluster 6: Food, Bioeconomy, Natural Resources, Agriculture and Environment
- 7 December 2022, 10am-12pm GMT – Cluster 2: Culture, Creativity and Inclusive Society
- 8 December 2022, 10am-12pm GMT – Cluster 4: Digital, Industry and Space
- 15 December 2022, 10am-12pm GMT – Cluster 3: Civil Security for Society

[REGISTER HERE](#)

“UK Horizon Europe Hub” <https://ktn-uk.org/programme/european/>





UK Research and Development Roadmap (page 43)

*“.....It is our ambition to fully associate to both programmes if we can agree a fair and balanced deal, but we will make a final decision once it is clear whether such terms can be reached. If we are formally associated to Horizon Europe, the funding for UK participants will be allocated to the relevant UK organisations by the EU. In this scenario, if there were **any gap before we became formally associated, we would implement short-term alternative funding arrangements** through proven, attractive UK schemes. During any gap, we would provide funding to UK partners who are successful in bidding to programmes open to third country participation....”*



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UK Research and Development Roadmap (page 43)

*“.....It is our ambition to fully associate to both programmes if we can agree a fair and balanced deal, but we will make a final decision once it is clear whether such terms can be reached. If we are formally associated to Horizon Europe, the funding for UK participants will be allocated to the relevant UK organisations by the EU. In this scenario, if there were **any gap before we became formally associated, we would implement short-term alternative funding arrangements** through proven, attractive UK schemes. During any gap, we would provide funding to UK partners who are successful in bidding to programmes open to third country participation....”*



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