



**STARTING SOON...**

**Horizon Europe webinar - Clean and  
Competitive Solutions for All Transport Modes  
4 Dec 2023**

**Host: Dr Jane Watkins  
Regional Lead – Europe, Innovate UK KTN**

# Introduction

## 1 Why are we here?

- What is Horizon Europe?
- Learn about the up-coming calls Clean and competitive solutions for all transport modes
- What are the key finance and legal considerations?
- What support is there to help me start building a Horizon Europe project consortium?
- To network (make introductions through the chat)





# Introduction

## 2 Agenda

**Jane Watkins – Innovate UK KTN European Programmes**

**Overview of Horizon Europe Cluster 5 Calls**

**Louise Mothersole – UK National Contact Point for Horizon Europe - Mobility**

**Finance and Legal Considerations**

**Chris Young – UK National Contact Point for Horizon Europe – Finance & Legal**

**Case Study Interview**

**Hear insights from UK Partners in previous European Project**

**ESCALATE PROJECT CONSORTIUM:**

**Ahu Ece Hartavi Karci (University of Surrey)**

**Taz Amietszajew (University of Coventry)**

**Stephen Storer (Electra Trucks/Electra Commercial Vehicles Ltd)**

**Advice on Consortium Building**

**Louise Mothersole UK Horizon Europe National Contact Point for Mobility.**

**General Q&A**



# Introduction

## 3 House Keeping

- Please post Q using the **Q&A FUNCTION**.
- **Save the zoom chat** – we will not be sharing this.
- Please message **Michael Foster** in the Zoom chat if you are having technical issues.
- **The webinar is being recorded** and will be shared with the slides afterwards.





# Introduction

## 4 Upcoming Opportunities

[OPEN - £700 European Travel Awards](#)

**6<sup>th</sup> December 2023**

[Horizon Europe support and consortia building webinars?](#)

10.00 -11.00 What is Horizon Europe?

11.30 -12.30 How to build or lead consortia for Horizon Europe



# Introduction

5 Enjoy!



# Clean and competitive solutions for all transport modes

Louise Mothersole

Horizon Europe UK National Contact Point for Mobility

[Louise.Mothersole@IUK.UKRI.org](mailto:Louise.Mothersole@IUK.UKRI.org)

4<sup>th</sup> December 2023





# Horizon Europe National Contact Points (NCPs)

Team of national advisors, appointed by the Government to support UK organisations to successfully participate in Horizon Europe by:

- Raising Awareness of the programme
- Helping you find the right Topic
- Identifying the best ways to find partners
- Navigating the EU funding & tender opportunities portal
- Developing the proposal
- Answering any other Horizon Europe related questions



<https://www.gov.uk/business-finance-support/horizon-europe-funding>

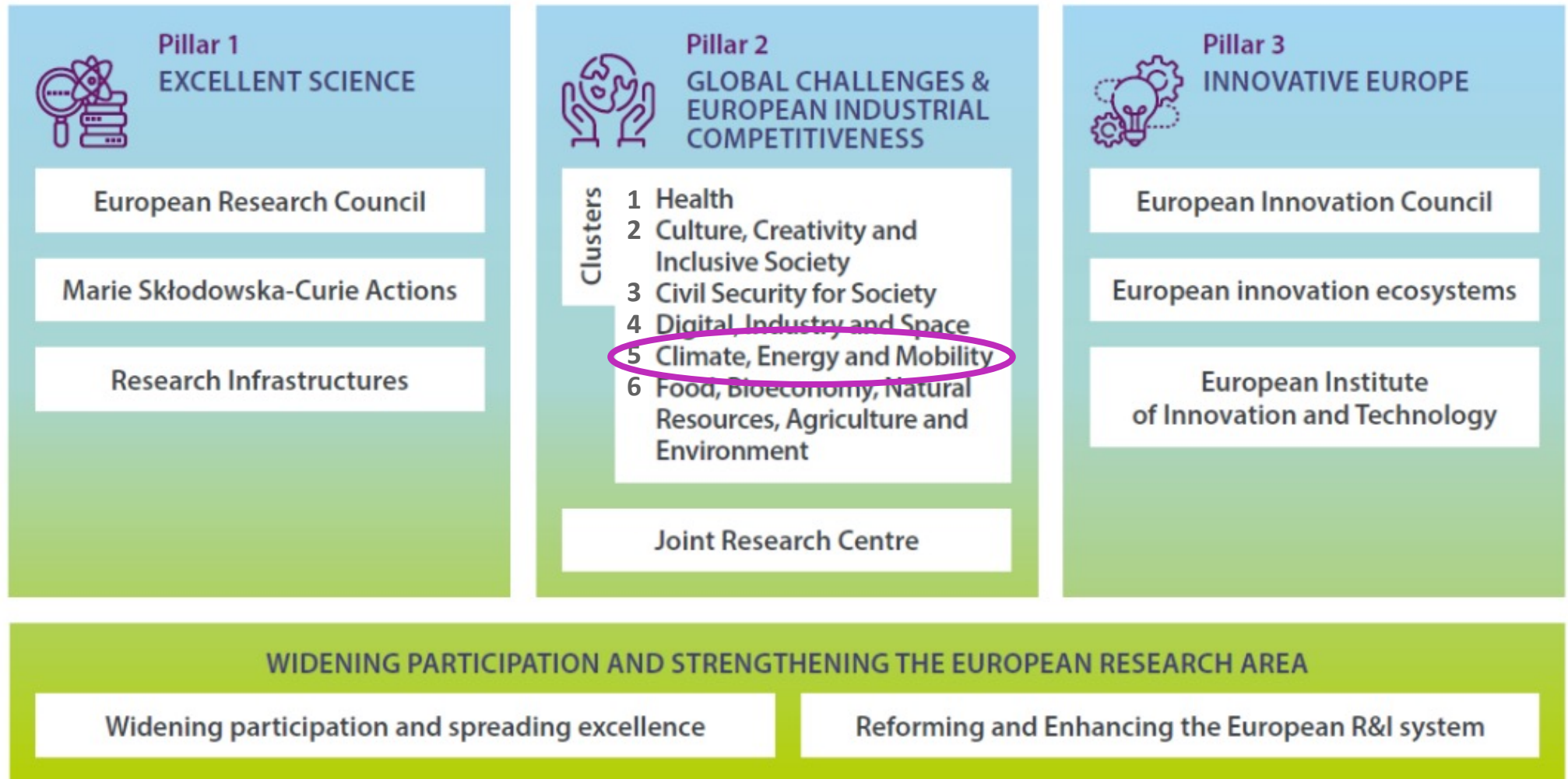
Find National Contact Points from all participating countries



# Why International collaboration is important

- Solve global grand challenges through collaborative R&I
- Collaborate with world leading organisations to learn from the best
- Access cutting edge technologies, infrastructure, talent & markets
- Contribute to the dialogue on standards, regulations and research policies
- Ensure that technology development aligns with global market place
- Collaborative relationships frequently become transactional ones – developing system solutions in supply chain partnerships
- **Creating jobs, growth and stronger supply chains**

# Horizon Europe



EU has awarded grants totalling €1.5Bn for Transport projects over 2021-2022 and over 50% of these projects have UK partners



# Horizon Europe Competition Structure

## Horizon Europe

└ Pillar

└ Cluster

└ Destination

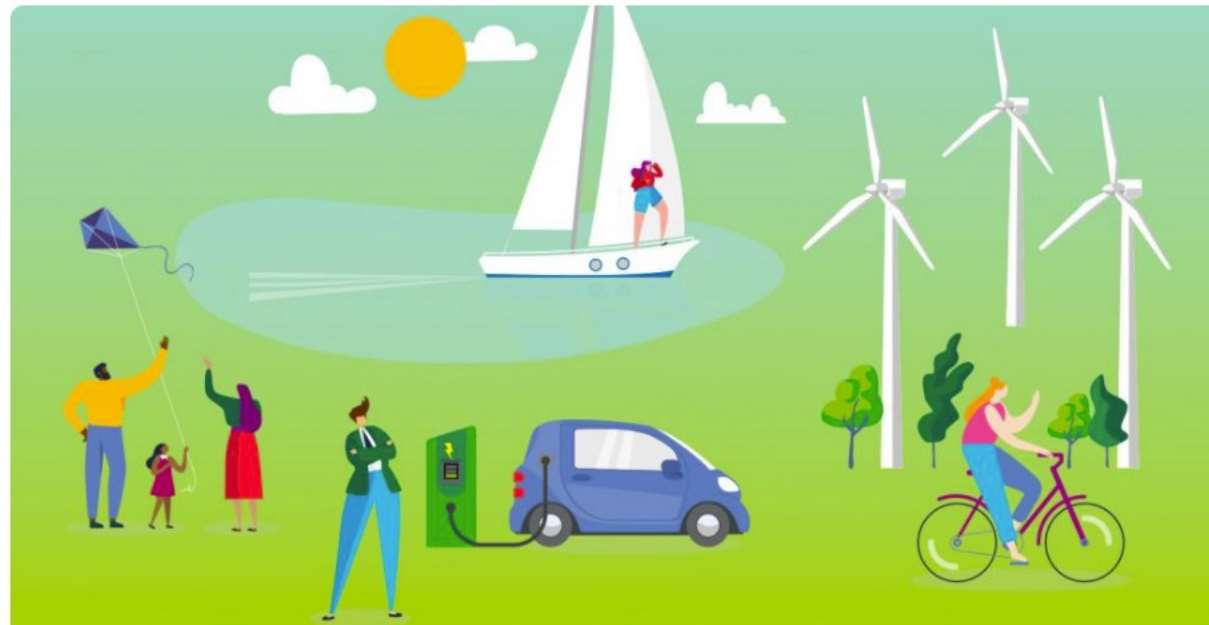
└ Call for Proposals

└ Topic

- ‘Topic’ is the level at which proposals are submitted against a specified scope for a share of a specified budget, i.e. the competition happens here
- Topic Identifier ‘code’ is [PROGRAMME]-[YEAR]-[CLUSTER]-[CALL]-[TOPIC]
  - e.g. HORIZON-2024-CL5-01-01 (reading backwards) is the first Topic in the first Call for Proposals in Cluster 5 in 2024 in Horizon Europe

# Cluster 5: Climate, Energy and Mobility

Addresses issues relevant to the twin green and digital transitions and the post-COVID 19 recovery, focussing on the transformation of our economy, industry and society with a view to achieving climate neutrality in Europe by 2050. [2023-2024 Work Programme](#) and [EC video recordings for 2024](#)





# Cluster 5: Climate, Energy and Mobility

## Six Destinations

1. Climate sciences and responses
2. Cross-sectorial solutions for the climate transition
3. Sustainable, secure and competitive energy supply
4. Efficient, sustainable and inclusive energy use
5. Clean and competitive solutions for all transport modes
6. Safe, resilient transport and smart mobility services for passengers and goods



# Call for proposals in Destination 5

## HORIZON-CL5-2024-D5-01: Clean and competitive solutions for all transport modes

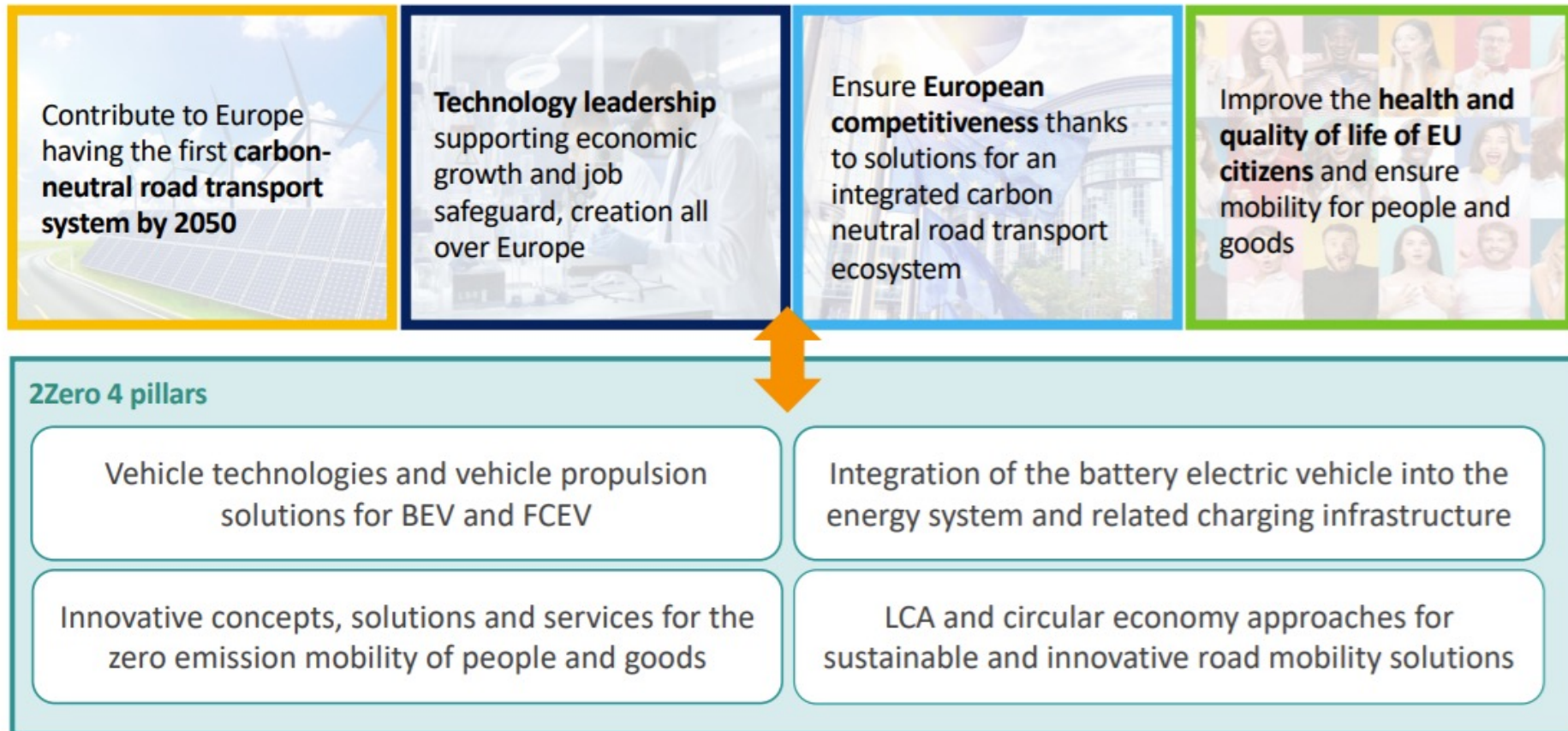
- Zero Emission Road Transport (2ZERO)
  - Aviation
  - Zero Emission Waterborne Transport (ZEWT)
  - Transport related health and environment
  - Cross-cutting actions
- 
- 18 different Topics sharing €202m
  - Call opening 7<sup>th</sup> Dec 2023 and deadline for submissions 18<sup>th</sup> Apr 2024
  - Pages 397-439 in [Work Programme](#)



# Zero Emission Road Transport

# Towards Zero Emission Road Transport (2ZERO)

A Co-Programmed Partnership - Members of the partnership develop the Strategic Research and Innovation Agenda ([SRIA](#)) which is used to create the Work Programme (calls for proposals) <https://www.2zeroemission.eu/>



# 2ZERO Topics closing 18 April 2024

Topic Identifier	Competition (Topic)	Type of Action	Topic Budget	Number of projects to be funded
<a href="#">HORIZON-CL5-2024-D5-01-01</a>	Smart, low-cost pervasive stationary slow charging and bi-directional solutions synergic with the grid for EV mass deployment	IA	€15.0m	2
<a href="#">HORIZON-CL5-2024-D5-01-02</a>	Integration and testing of next generation post 800V electric powertrains	RIA	€15.0m	3
<a href="#">HORIZON-CL5-2024-D5-01-03</a>	Advanced battery system integration for next generation vehicles	RIA	€10.0m	2
<a href="#">HORIZON-CL5-2024-D5-01-04</a>	Integrated flexible multipoint megawatt charging systems for electric truck mass deployment	IA	€17.0m	2
<a href="#">HORIZON-CL5-2024-D5-01-05</a>	Advanced digital development tools to accelerate the development of software defined vehicles that enable zero-emission mobility	RIA	€10.0m	2
<a href="#">HORIZON-CL5-2024-D5-01-06</a>	New designs, shapes, functionalities of Light Commercial Vehicles	IA	€10.0m	1



# Aviation

# Aviation Topics closing 18 April 2024

Topic Identifier	Topic (Competition)	Type of Action	Topic Budget (m)	Number of projects to be funded
<a href="#">HORIZON-CL5-2024-D5-01-07</a>	Accelerating climate neutral aviation, minimising non-CO2 emissions	RIA	€ 17.00	4
<a href="#">HORIZON-CL5-2024-D5-01-08</a>	Competitiveness and digital transformation in aviation – advancing further composite aerostructures	RIA	€ 16.00	4
<a href="#">HORIZON-CL5-2024-D5-01-09</a>	Impact monitoring of EU Aviation R&I	RIA	€ 8.00	1
<a href="#">HORIZON-CL5-2024-D5-01-10</a>	Towards a flying testbed for European leadership in aviation	RIA	€ 16.00	1

More aerospace and aviation research and innovation funding opportunities are available through the Clean Aviation Joint Undertaking <https://www.clean-aviation.eu/> and the SESAR (Single European Skies, Air Traffic Management (ATM), Research) Joint Undertaking <https://www.sesarju.eu/>

# Useful EU networking groups for Aerospace and Aviation

- [ACARE](#) – Advisory Council for Aviation Research and Innovation in Europe is a European Technology Platform and as such is listened to by the EC as the voice of the sector
- [Pegasus](#) – a partnership of European aerospace universities whose objective is to offer highly relevant educational and research programmes
- If you join any networking organisation, ensure that you get your money's worth:
  - Be an *active* member – say 'hi' when you join the virtual room. Ask questions, support others' opinions, act as if you are already well known to all in the virtual room because you soon will be
  - Volunteer to draft working papers, take notes, send in useful information – be helpful
  - Speak up at workshops – demonstrate Thought Leadership
  - Show that you would be a valuable partner for collaborative projects and that without you they won't win – you have the secret sauce that is necessary for their success



# Waterborne Transport

# Zero Emission Waterborne Transport (ZEWT)

- A Co-Programmed Partnership - Members of the partnership develop the Strategic Research and Innovation Agenda ([SRIA](#)) which is used to create the Work Programme (calls for proposals) <https://www.waterborne.eu/partnership/partnership>



# ZEWT Topics opening on 7<sup>th</sup> Dec and closing 18<sup>th</sup> April 2024 (1/2)

Topic Identifier	Competition (Topic)	Type of Action	Topic Budget	Number of projects to be funded
<a href="#">HORIZON-CL5-2024-D5-01-11</a>	Achieving high voltage, low weight, efficient electric powertrains for sustainable waterborne transport	RIA	€15.0m	2
<a href="#">HORIZON-CL5-2024-D5-01-12</a>	Combining state-of-the-art emission reduction and efficiency improvement technologies in ship design and retrofitting for contributing to the "Fit for 55" package objective by 2030	IA	€15.0m	2
<a href="#">HORIZON-CL5-2024-D5-01-13</a>	Demonstration of Technologies to minimise underwater noise generated by waterborne transport	IA	€6.0m	1
<a href="#">HORIZON-CL5-2024-D5-01-14</a>	Demonstrating efficient fully DC electric grids within waterborne transport for large ship applications	IA	€15.0m	2
<a href="#">HORIZON-CL5-2024-D5-01-15</a>	Advanced digitalisation and modelling utilizing operational and other data to support zero emission waterborne transport	IA	€7.7m	1



# ZEWT Topics opening on 7<sup>th</sup> Dec 2023 and closing 18 April 2024 (2/2)

Topic Identifier	Competition (Topic)	Type of Action	Topic Budget	Number of projects to be funded
<a href="#">HORIZON-CL5-2024-D5-01-16</a>	Structuring the Waterborne transport sector, including through changed business and industrial models in order to achieve commercial zero-emission waterborne transport	CSA	€0.85m	1
<a href="#">HORIZON-CL5-2024-D5-01-17</a>	Coordinating and supporting the combined activities of member and associated states towards the objectives of the Zero Emission Waterborne Transport partnership so as to increase synergies and impact	CSA	€1.5m	1

Note that as these two are CSA projects, they are not technology development and so are more suited to organisations such as trade bodies, funding agencies, policy influencers, etc.

# Other relevant European Associations

## **SEA Europe** [www.seaeurope.eu](http://www.seaeurope.eu)

SEA Europe represents close to 100% of the European shipbuilding industry in 16 nations, encompassing the production, maintenance, repair and conversion of all types of ships and floating structures, commercial as well as naval, including the full supply chain with the various producers of maritime systems, equipment material, and services. SEA Europe is a key player in the Waterborne Technology Platform.

## **European Council for Maritime Applied R&D - ECMAR** [www.ecmar.eu](http://www.ecmar.eu)

ECMAR is the Voice for Europe's maritime applied research community (only research institutes) and

- Contributes to common Strategic Research Agenda
- Supports adoption of research priorities at EU level
- Fosters Members in development of proactive research policy and industry strategy
- Provides information on, and input to, policies, programmes & projects.

ECMAR is a member of the Waterborne Technology Platform.

## **Marine University Association WEGEMT** [www.wegemt.com](http://www.wegemt.com)

WEGEMT aims to update and extend the skills, knowledge and competence of practising engineers and postgraduate students working at an advanced level in marine technology and related sciences.

# Health Related Transport and Cross-Cutting

# Transport related health and environment topic closing 18 April 2024

Topic Identifier	Competition (Topic)	Type of Action	Topic Budget	Number of projects to be funded
<a href="#"><u>HORIZON-CL5-2024-D5-01-18</u></a>	Assessment of air pollutant emissions from low-carbon fuels in the heavy-duty, aviation, and maritime sectors	RIA	€7.0m	2

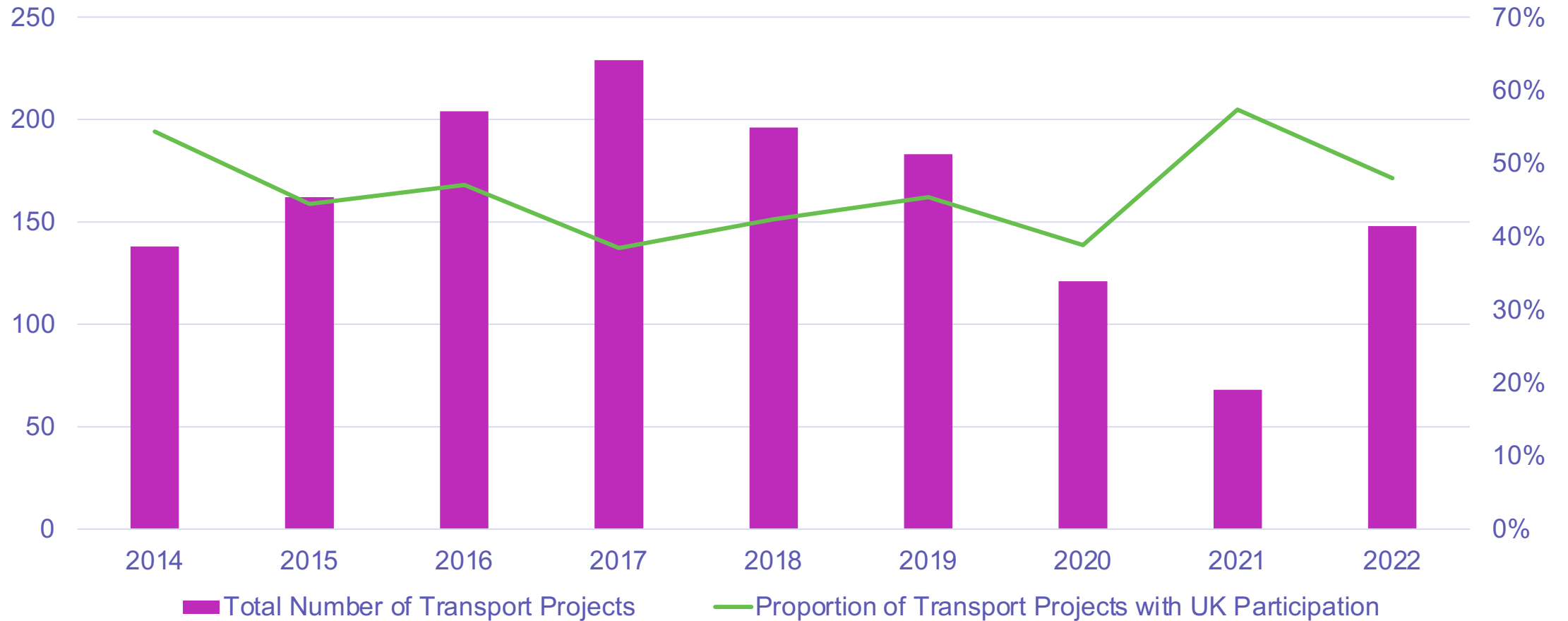


# UK Track Record in Horizon Europe Transport Projects

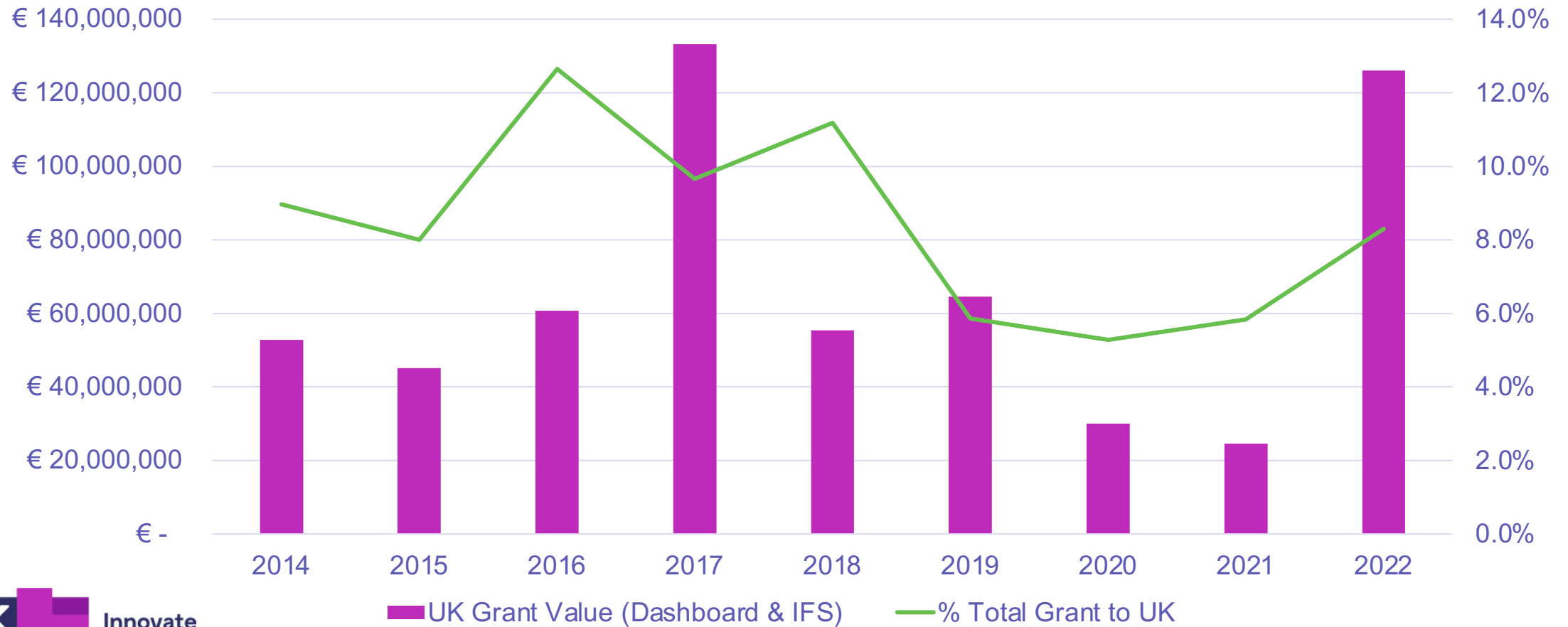
Proposal success rate with UK partners in the consortium = 32%

Proposal success rate without UK partners in the consortium = 26%

# Total Number of Transport Projects and Proportion with UK Partners by Call Year



# Total Amount and Share of Available Funding to UK Transport Projects by Call Year





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# Thank you

Twitter X: [@UK\\_Mobility\\_NCP](https://twitter.com/UK_Mobility_NCP)

Email: [NCP-Mobility@iuk.ukri.org](mailto:NCP-Mobility@iuk.ukri.org)

Newsletter Subscription: <https://eufunding.ukri.org/subscribe>







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# Horizon Europe and UK Situation

Chris Young

Horizon Europe UK Legal and Financial National Contact Point

[christopher.young@iuk.ukri.org](mailto:christopher.young@iuk.ukri.org)



# UK Association - Background

- EU-UK Trade and Cooperation Agreement: UK's intention to associate to Horizon Europe, Copernicus and Euratom
- Delayed due to EU concerns over the Northern Ireland Protocol
- Windsor Framework Agreement
- Agreement to associate to Horizon Europe and Copernicus with access to EU Space Surveillance and Tracking Services
- Plans for a national alternative programme for Euratom



# The UK-EU Association Agreement

- On 7th September, the Prime Minister announced a new UK-EU agreement on the UK's association to Horizon Europe and Copernicus <https://www.gov.uk/government/news/joint-statement-by-the-european-commission-and-the-uk-government-on-the-uks-association-to-horizon-europe-and-copernicus>
- UK applicants are eligible to apply to Horizon Europe calls, now and in the future. The government strongly encourages researchers to do so.
- As set out in the EU/UK Joint Statement of 7 September, all calls within Horizon Europe work programme 2024 and beyond will be funded by the UK's association to Horizon Europe.
- The UK government Horizon Europe guarantee extended to cover all remaining Horizon Europe grant calls that are funded under work programme 2023 irrespective of the call closing or grant signature date.

# UK Association – in practice

- UK organisations are fully eligible to **COORDINATE** proposals and projects
- UK organisations are classed as one of the **MINIMUM** 3x different legal entities from 3x different eligible countries, as long as at least one consortium member is also from a Member State, for proposal and project eligibility
- UK organisations **WILL** be funded by EU as project participants/beneficiaries
- UK organisations **CAN** apply to EIC Accelerator grant only (not equity)
- UK delegates **WILL** attend programme committee meetings

Note: the above applies except in *very* few call topics that are restricted to Member States only



# UK Association - the implications

- UK organisations must be included as potential beneficiaries and request funding from the EU
- UK organisations must complete the budget tables in full (Part A and Part B)
- UK organisation can be the coordinator i.e. fulfil the Grant Agreement requirements for this role (bank as well as the technical/scientific coordinator)
- UK organisations can be work package/task leads
- Ensure eligibility conditions are fulfilled (topic specific)

# Article 22.5 & UK Exclusions

- Horizon Europe is to all ie organization based in EU Member States, Associated Countries and third countries **UNLESS** specific limitations/conditions in the work programme.
- Third countries eg. USA, Australia, Brazil etc. can participate but are not eligible for funding.
- In Horizon Europe legislation was introduced with a new restrictive clause, Article 22.5 of the Horizon Europe Regulation (2021/695) that lays down its rules regarding participation and dissemination.
- ... participation can be limited to legal entities established only in Member States or to legal entities established in specified associated or other third countries
- ... may also exclude the participation of legal entities established in the Union or in associated countries directly or indirectly controlled by non-associated third countries

# Horizon Europe funding rates

Type of Action	Reimbursement rate
Research and Innovation Action (RIA)	100% of eligible direct costs for all project participants
Innovation Action (IA)	100% of eligible direct costs for all not-for-profit project participants
	60% or 70% (varies by Topic) of eligible direct costs for all for-profit project participants
Coordination and Support Action (CSA)	100% of eligible direct costs for all project participants

# UK Association - post evaluation

- Sign the Declaration of Honour
- Preparation for Grant Agreement signature proceeds – to be completed max 8mths post submission deadline – changes from ESR
- Signature of Grant Agreement by Commission and Coordinator (accession of all other parties)
- Signature of Consortium Agreement – all participating organisations
- Project begins – funding provided by EU as determined by the Grant Agreement terms
- Pre-financing paid to coordinator (up-front payment)



# UK Association – Protocol signature timeframe

- No clarity on timing currently
- the European Commission and the UK Government will work together with the aim of promptly adopting the necessary legal instruments.
- The legal instruments need to be adopted by the Specialised Committee on Participation in Union Programmes (SCPUP), subject to prior approval by the Council of the EU.
- 15 November Council approved the Agreement in principle, now go to the SCPUP

# UK National Contact Points

Team of national advisors, appointed by the UK Government to support UK organisations successfully participate in Horizon Europe

Happy to answer questions from non-UK NCPs or organisations about UK participation



<https://www.gov.uk/business-finance-support/horizon-europe-funding>



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# Questions?





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UK

# Building a Winning Consortium for Horizon Europe Projects

Louise Mothersole

Horizon Europe UK National Contact Point for Mobility

[Louise.Mothersole@IUK.UKRI.org](mailto:Louise.Mothersole@IUK.UKRI.org)



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UK

**HORIZON EUROPE**

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

# **How do I build a winning consortium?**

## **(the most frequently asked question)**

# Enterprise Europe Network (EEN)

- The Enterprise Europe Network ([EEN](#)) helps businesses innovate and grow on an international scale.
- It is the world's largest support network for small and medium-sized enterprises (SMEs) with international ambitions
- EEN is delivered by [Innovate UK EDGE](#) in UK
- Database of over [5,000 partnering opportunities](#) for both Commercial and Research & Innovation
- Contact Innovate UK EDGE to upload your own partner request or to respond to one already posted

## Filter by

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### Keywords

### Type of profile

- Business Offer
- Business request
- Research & Development Request
- Technology offer
- Technology request

### Type of partner

### Type of partnership

### Stage of development

- Already on the market
- Available for demonstration
- Concept stage
- Lab tested
- Under development

### Technology keywords

### Market keywords



# Formal consortium building mechanisms

**Participant portal** – Every topic has a ‘Partner Search’ function where you can upload your profile and review others that have done so

**Partner Search** – under the ‘How to participate tab’ on the EU funding and tender opportunities portal where you can [search](#) for past projects and organisations –

**Brokerage tools** – European Commission, Technology Platforms, Co-Programmed Partnerships, Enterprise Europe Network, UK’s KTN, NCPs from around Europe, etc., will hold virtual events with e.g., Meeting Mojo, B2B and other tools – [For Cluster 5, there is the NCP Project GREENET Partner Search Tool](#)



Searching the formal consortium building mechanisms is a bit like looking for a needle in a needlestack – they all look like needles so finding the ones for you can be difficult

# How to find partners with a track record of success

- Search [Cordis](#) using key words for relevant projects already underway
  - E.g. searching for 'ZEWT' returns 27 projects
  - 1<sup>st</sup> listed is [NEMOSHIP](#): New modular Electrical architecture and digital platform to Optimise large battery systems on SHIPs
  - Gives project coordinator as COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES of France and gives opportunity to contact them and their partners
  - Contact is to the Project Participant, not just a central administrative function
  - Write them a note explaining what you want/intend to do and how their participation would be a great idea

## COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES

Address

Rue leblanc 25  
75015 Paris

 France 

Region

Ile-de-France > Paris

Activity type

Research

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

# The best ways to form winning teams

Being an *effective networker* is much more useful than submitting a profile into a portal and awaiting contacts. Don't wait to be invited to the party, push yourself forward

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

# TOPIC NUMBER AND NAME

Your  
Organisation  
Logo / Brand

## Proposed Approach

What is your understanding of the part of the problem you can solve?

What part of the Scope do you want to address? **Be specific.**

## Organisational Capabilities

What skills, capabilities, facilities does your organisation have that will be vital for this project?

Is your organisation academic, SME, big business, etc (and explain the benefits to this project of whichever you are)

## Experience

What previous, relevant, work or track record can you bring to the team?

Include your ability to attract the 'Big Names' in the sector (e.g. leading academics, major thought leaders)

## Administrative Information

Are you planning on being the Coordinator or a Partner?

Your contact details including:  
Name, email and phone number  
What country are you from  
Your organisation's PIC

# Forthcoming Networking Events

- Results from Road Transport Research (RTR2024)
  - 5-7 February 2024, Brussels
  - Free but mandatory [registration](#)
- Transport Research Arena (TRA2024)
  - 15-18 April 2024, Dublin
  - Registration now open with early bird rates
- Innovate UK may award [travel grants](#) of up to £700 to support SMEs to attend
- Let me know of any events you think might help with consortium building and I'll see if these can be added to the travel grant scheme



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# Thank you

Twitter X: [@UK\\_Mobility\\_NCP](https://twitter.com/UK_Mobility_NCP)

Email: [NCP-Mobility@iuk.ukri.org](mailto:NCP-Mobility@iuk.ukri.org)

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