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Opportunities in Horizon Europe Cluster 5: Climate, Energy, and Mobility

12th May 2025

Horizon Europe UK National Contact Points

Horizon Europe National Contact Points (NCPs)

Team of national advisors, appointed by the Government, to support 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

Top Tip – get to know your NCP and sign up to get their newsletters <https://eufunding.ukri.org/subscribe>



Find National Contact Points from all participating countries

Purpose of today's webinar

- Share details of the 2025 Climate, Energy & Mobility Calls
- Provide guidance on first steps towards participating in Horizon Europe to newcomers
- Provide guidance on how experienced participants can find topics and find consortium partners
- Upskill R&D community in Horizon Europe
- Please note the official Info Day took place last Tuesday and the recording can be seen [here](#)

Cluster 5: Climate, Energy & Mobility National Contact Points

Climate: Cinzia Porcedda NCP-Climate@IUK.UKRI.Org

- Cluster 5: Destinations 1, 2 (excluding Batteries) and 4
- Mission: Climate Neutral and Smart Cities
- Mission: Adaptation to Climate Change

Energy: Conall McGinley NCP-Energy@IUK.UKRI.Org

- Cluster 5: Destination 3
- Clean Hydrogen Joint Undertaking (CHJU)

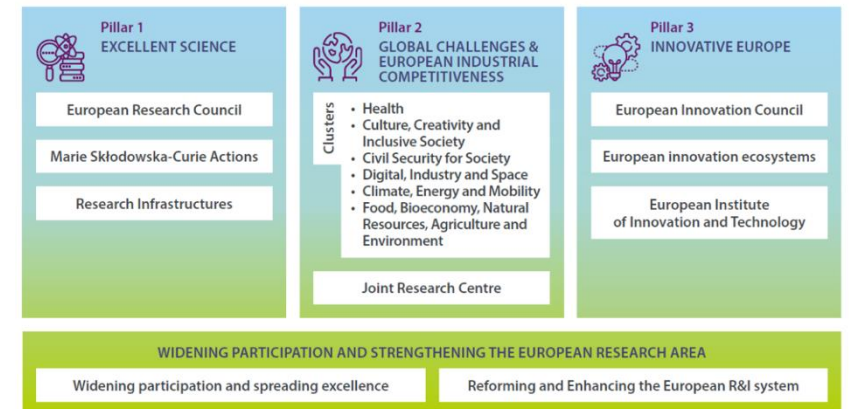
Mobility: Louise Mothersole NCP-Mobility@IUK.UKRI.Org

- Cluster 5 Destination 2 (Batteries only), 5 and 6
- Clean Aviation Joint Undertaking (CAJU)
- Europe's Rail Joint Undertaking (ERJU)
- SESAR (Single European Skies ATM Research) Joint Undertaking (SJU)

What is Horizon Europe?

Horizon Europe is the current EU's Framework Research and Innovation funding programme. It is the largest R&I funding programme in the world, with a budget of over £81bn for 2021-27

- The programme is divided into **three main parts - Pillars**:
 - Pillar 1 supports excellence in science;
 - Pillar 2 focuses on solving global challenges through collaborative research & innovation; and
 - Pillar 3 supports business growth and competitiveness.
- Other parts of Horizon also include support for research infrastructure and widening participation.
- Key priority areas include food, bioeconomy, climate change, health, digital, transport and mobility, space, energy, industry, civil security and humanities. The programme is open to all types of organisations of all sizes.



UK is a 'Country Associated to the Programme'

'the Programme' is Horizon Europe, i.e., UK is an [Associated Country](#) (AC) from the 2024 Work Programme onwards

UK contributes funding to the programme:

- EU decides where to allocate UK government contribution (paragraph 50 of [Regulation establishing Horizon Europe](#))

Except in a very few Topics that are restricted (and clearly marked as such):

- UK organisations **are** fully eligible to coordinate projects
- UK organisations **are** classed as one of the minimum required 'three different legal entities from three different eligible countries', as long as at least one consortium member is also from a Member State
- Successful UK organisations **are** funded by EU as project participants/beneficiaries

The UK is not the only Associated Country, there are currently 19 and more are negotiating association (South Korea will associate from 2025 onwards). [A full list can be seen here](#)

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 marketplace
- Collaborative relationships frequently become commercial ones – developing system solutions in supply chain partnerships
- **Creating jobs, growth and stronger supply chains**

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.



Cluster 5: Climate, Energy and Mobility

Six Destinations

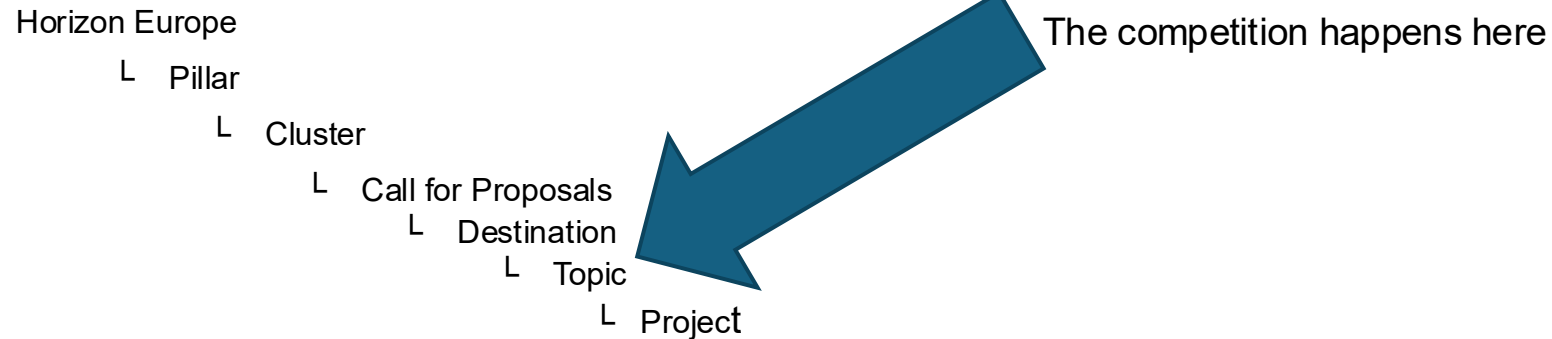
1. Climate sciences and responses
2. Cross-sectorial solutions for the climate transition (includes Batteries)
3. Sustainable, secure and competitive energy supply (includes fuels)
4. Efficient, sustainable and inclusive energy use
5. Clean and competitive solutions for all transport modes
6. Safe, resilient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



Horizon Europe Competition Structure within Cluster 5 Work Programme

The Work Programme is published at the Cluster level – it is all the competitions for the entire year (or more often two years)

Each competition is called a Topic:



- Topic Identifier ‘decoded’ is [PROGRAMME]-[CLUSTER]-[YEAR]-[CALL]-[DESTINATION]-[TOPIC] – i.e. a ‘postcode’ for the Topic
 - e.g. HORIZON-CL5-2025-01-D5-01 (reading backwards) is the first Topic in Destination 5 in the first Call for Proposals in 2025 in Cluster 5 in Horizon Europe

Funding rates and main types of Action (type of project)

Research and Innovation Action (RIA)

- Typically, low(ish) Technology Readiness Level
- Consortium of at least three different legal entities from three different eligible countries (all UK legal entities are classed as eligible). At least one consortium member must be from a Member State (MS)
- All participants receive 100% of eligible direct costs plus 25% for indirect costs

Innovation Action (IA)

- Typically, high(er) Technology Readiness Level
- Consortium of at least three different legal entities from three different eligible countries. At least one must be from a MS
- All not-for-profit participants receive 100% of eligible direct costs plus 25% for indirect costs
- All for-profit participants receive 70% of eligible direct costs plus 25% for indirect costs

Coordination and Support Action (CSA)

- As name suggests, for coordinating and supporting activities such as working groups, networking, regulation review, communications, organising EU conferences, etc
- Formally do not need a collaborative approach but often do to meet the scope. Must have at least one partner from a MS
- All participants receive 100% of eligible direct costs plus 25% for indirect costs

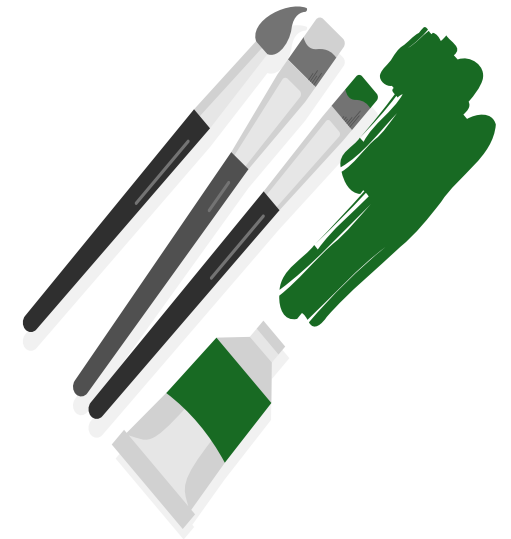
Overview of Call Deadlines

Call	Opening	Deadline(s)	Destination
HORIZON-CL5-2025-01-Two-Stage	Ruin your summer holidays AND a long time to wait	02-Sep-25 (1st Stage) 31-Mar-26 (2nd Stage)	D2 & D3
HORIZON-CL5-2025-02	Ruin your summer holidays	02-Sep-25	D2 & D3
HORIZON-CL5-2025-03-Two-Stage	Ruin your summer holidays AND a long time to wait	04-Sep-25 (1st Stage) 14-Apr-26 (2nd Stage)	D5
HORIZON-CL5-2025-04	Ruin your summer holidays	04-Sep-25	D5 & D6
HORIZON-CL5-2025-05-Two-Stage	Ruin your summer holidays AND a long time to wait	04-Sep-25 (1st Stage) 31-Mar-26 (2nd Stage)	D1
HORIZON-CL5-2025-06	Ruin your summer holidays	24-Sep-25	D1 & D2
HORIZON-CL5-2026-01	Ruin your Christmas holiday	20-Jan-26	D2 & D6
HORIZON-CL5-2026-02	A long time to wait	17-Feb-26	D3 & D4

New for 2025 - Societal Readiness Pilots

To achieve a **well-developed Societal Readiness of R&I results**, **social and cultural perspectives** need to be covered. SSH disciplines are key to achieve that!

- ❑ This may be done by researchers from SSH disciplines (or related), as those disciplines have developed a wide range of theories and methods to better understand human behavior and social organisation.
- ❑ In SR pilots, **SSH disciplines** are needed to deliver R&I results with well-developed Societal Readiness in a holistic approach to:
 - **facilitate the socio-technological interface**
 - **enable the design of project objectives** compatible with Societal Readiness related activities





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Climate: Destinations 1, 2 (except Batteries) and 4



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Climate sciences and responses for the transformation towards climate neutrality

This Destination contributes directly to the Strategic Plan’s Key Strategic Orientations ‘Green transition’, ‘Digital transition’ and ‘A more resilient, competitive, inclusive and democratic Europe’.

The overall expected impact of this Destination is to contribute to the “Advancing science for a transition to a climate-neutral and resilient society”.

Topic Number	Topic Name	Opening Date	Closing Date	Type of Action	Number of Projects	EU grant per project
HORIZON-CL5-2025-06-D1-01	Climate simulations data and knowledge for optimal support of IPCC Assessments and International Policy	06-05-2025	24-09-2025	RIA	1	Around €30m
HORIZON-CL5-2025-06-D1-02	Advancing Earth System Models to increase understanding of Earth system change	06-05-2025	24-09-2025	RIA	2	Around €7.50m
HORIZON-CL5-2025-06-D1-03	Modelling of mitigation pathways for F-gases	06-05-2025	24-09-2025	RIA	3	€2.50 to €3m

Climate sciences and responses for the transformation towards climate neutrality

Topic Number	Topic Name	Opening Date	Closing Date	Type of Action	Number of Projects	EU grant per project
HORIZON-CL5-2025-06-D1-04	The attribution to climate change, and improved forecasting of extreme and slow-onset climate- and weather-related events and their impacts	06-05-2025	24-09-2025	RIA	2	Around €6m
HORIZON-CL5-2025-05-Two-Stage-D1-05	Adaptation to Climate Change: Effectiveness and Limits	06-05-2025	04-09- 2025 then 03-03-2026	RIA	3	Around €6m
HORIZON-CL5-2025-06-D1-06	Fostering equity and justice in climate policies – Societal Readiness Pilot	06-05-2025	24-09-2025	RIA	3	€4.0 to €5.0m
HORIZON-CL5-2025-06-D1-07	Implementing the climate action pillar of the EU-African Union Partnership on Climate Change and Sustainable Energy	06-05-2025	24-09-2025	CSA	1	€4.0 to €5.0m

Cross-sectorial solutions for the climate transition

This Destination contributes directly to the Strategic Plan's Key Strategic Orientations 'Green transition', 'Digital transition' and 'A more resilient, competitive, inclusive and democratic Europe'.

This Destination covers thematic areas which are cross-cutting by nature and can provide key solutions for climate, energy and mobility applications.

Topic Number	Topic Name	Opening Date	Closing Date	Type of Action	Number of Projects	EU grant per project
HORIZON-CL5-2025-06-D2-07	Driving Urban Transitions to a sustainable future (DUT) Co-Funded Partnership	06-05-2025	24-09-2025	Cofund	1	Around €56.0m
HORIZON-CL5-2025-02-D2-08	Coordinated call with India on waste to renewable hydrogen	06-05-2025	02-09-2025	RIA	2	Around €5m
HORIZON-CL5-2026-01-D2-09	Monitoring and Evaluation of the Societal Readiness Pilot	16-09-2025	20-01-2026	CSA	1	Around €1.5

Cross-sectorial solutions for the climate transition

Please note that these cross-cutting areas are very distinct in terms of challenges, stakeholder communities and expected impacts. Equally the cross-cutting nature is their unifying feature.

Topic Number	Topic Name	Opening Date	Closing Date	Type of Action	Number of Projects	EU grant per project
HORIZON-CL5-2025-02-D2-10	Clean Energy Transition Co-Funded Partnership	06-05-2025	02-09-2025	Cofund	1	Around €69m
HORIZON-CL5-2025-02-D2-11	Support to the SET Plan community	06-05-2025	02-09-2025	CSA	15	Around €0.5m
HORIZON-CL5-2025-02-D2-12	NZIA regulatory sandbox exchange forum support	06-05-2025	02-09-2025	CSA	1	Around €0.5m

Efficient, sustainable and inclusive energy use

This Destination targets the energy demand side, notably a more efficient use of energy in buildings and industry. It contributes to the activities of the Strategic Energy Technology Plan (SET Plan) and its implementation working groups.

Topic Number	Topic Name	Opening Date	Closing Date	Type of Action	Number of Projects	EU grant per project
HORIZON-CL5-2026-02-D4-01	On-site innovative robotic and automated solutions and techniques for more sustainable and less disruptive building renovation and	16-09-2025	12-02-2026	RIA	3	Around €5.00m
HORIZON-CL5-2026-02-D4-02	Smarter buildings as part of the energy system for increased efficiency and flexibility – Societal Readiness Pilot	16-09-2025	12-02-2026	IA	3	Around €4.0m
HORIZON-CL5-2026-02-D4-03	Innovative pathways for low carbon and climate resilient building stock and built environment (Built4People Partnership)	16-09-2025	12-02-2026	RIA	2	Around €5.0m

Efficient, sustainable and inclusive energy use

Topic Number	Topic Name	Opening Date	Closing Date	Type of Action	Number of Projects	EU grant per project
HORIZON-CL5-2026-02-D4-04	Innovative approaches for the deployment of Positive Energy Districts	16-09-2025	12-02-2026	IA	3	Around €5.00m
HORIZON-CL5-2026-02-D4-05	Optimal combination of low embodied carbon construction products, technical building systems and circularity principles for climate neutral buildings (Built4People Partnership)	16-09-2025	12-02-2026	RIA	3	Around €4.0m
HORIZON-CL5-2026-02-D4-06	HORIZON-CL5-2026-02-D4-06: Phase out fossil fuel in energy intensive industries through the efficient integration of renewable energy sources	16-09-2025	12-02-2026	IA	2	Around €7.5m

Energy Topics

CCUS

Call Title	Topic ID	Deadline	Type of action	Budget (€)	Number of projects to be funded
Effects of CO2-stream impurities on CO2 transport and storage	HORIZON-CL5-2025-02-D3-25	16-Sept-25	RIA	5m	2
European investment atlas of potential CO2 storage sites	HORIZON-CL5-2025-02-D3-26	16-Sept-25	RIA	3m	1
Using captured CO2 as a resource to replace fossil hydrocarbons in industrial production	HORIZON-CL5-2025-02-D3-27	16-Sept-25	IA	7m	2
New CO2 capture technologies	HORIZON-CL5-2025-05-D3-24	17-Feb-26	RIA	6m	3

Energy Systems – September deadlines

Call Title	Topic ID	Deadline	Type of action	Budget (€)	Number of projects to be funded
Control and operation tools for a RES-based energy system	HORIZON-CL5-2025-02-D3-17	16-Sept-25	IA	10m	2
Cross-regional network and market model for optimisation of long duration storage	HORIZON-CL5-2025-02-D3-21	16-Sept-25	RIA	7m	2
Critical elements for energy security of grid and storage technologies	HORIZON-CL5-2025-02-D3-23	16-Sept-25	RIA	3m	3

Energy Systems – February deadlines

Call Title	Topic ID	Deadline	Type of action	Budget (€)	Number of projects to be funded
Underground Thermal Energy Storage in dense urban areas	HORIZON-CL5-2025-05-D3-22	17-Feb-26	IA	9m	2
Next generation distribution substation for increasing the system resilience	HORIZON-CL5-2025-05-D3-18	17-Feb-26	IA	9m	2
Innovation solutions for a Generative AI-powered digital spine of the EU energy system	HORIZON-CL5-2025-05-D3-19	17-Feb-26	IA	8m	2
Innovative tools and services to manage and empower energy communities	HORIZON-CL5-2025-05-D3-20	17-Feb-26	IA	10m	2

General

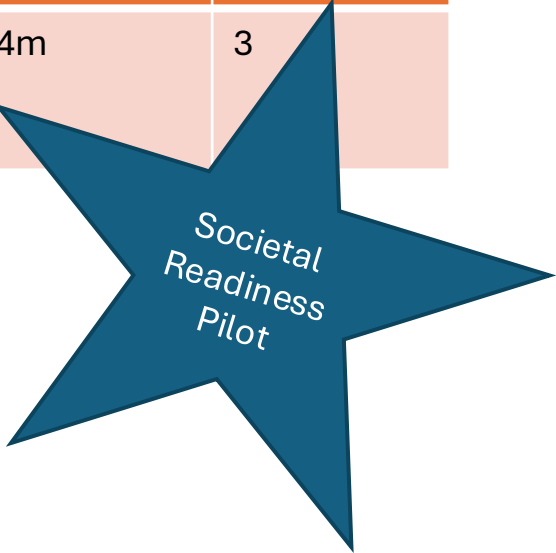
Call Title	Call ID	Deadline	Type of action	Budget (€)	Number of projects to be funded
Building a Long-Term Africa Union (AU) and European Union (EU) Research and Innovation joint collaboration on Sustainable Renewable Energies	HORIZON-CL5-2025-02-D3-15	16-Sept-25	CSA	4m	1
Development of innovative solutions strengthening the security of renewable energy value chains	HORIZON-CL5-2025-05-D3-14	17-Feb-26	CSA	2m	3

Geothermal

Call Title	Call ID	Deadline	Type of action	Budget (€)	Number of projects to be funded
Novel approaches to geothermal resources development	HORIZON-CL5-2025-02-D3-03	16-Sept-25	IA	10m	2

Hydro

Call Title	Call ID	Deadline	Type of action	Budget (€)	Number of projects to be funded
Development of hydropower technologies and water management schemes allowing for win-win situation of flexible hydropower and biodiversity improvement – Societal Readiness Pilot	HORIZON-CL5-2025-02-D3-04	16-Sept-25	RIA	4m	3



Low Carbon Fuels

Call Title	Topic ID	Deadline	Type of action	Budget (€)	Number of projects to be funded
Large-scale production of liquid advanced biofuels and renewable fuels of non-biological origin	HORIZON-CL5-2025-05-D3-01	17-Feb-26	IA	11m	3
Competitiveness, energy security and integration aspects of advanced biofuels and renewable fuels of non-biological origin value chains	HORIZON-CL5-2025-05-D3-02	17-Feb-26	RIA	4m	2
Phase out fossil fuel in energy intensive industries, through the integration of renewable energy sources	HORIZON-CL5-2025-05-D4-06	17-Feb-26	IA	7.5m	2

Offshore Wind

Call Title	Call ID	Deadline	Type of action	Budget (€)	Number of projects to be funded
Innovative manufacturing of wind energy technologies	HORIZON-CL5-2025-02-D3-06	16-Sept-25	IA	7m	3
Improved reliability and optimised operations and maintenance for wind energy systems	HORIZON-CL5-2025-05-D3-07	17-Feb-26	RIA	5m	3
Understand and minimise the environmental impacts of offshore wind energy	HORIZON-CL5-2025-05-D3-08:	17-Feb-26	RIA	5m	3

Solar – September deadlines

Call Title	Call ID	Deadline	Type of action	Budget per project (€)	Number of projects to be funded
Optimised/Alternative Silicon Growth Technologies (from either liquid or gaseous phase) for PV Applications (EUPI-PV Partnership)	HORIZON-CL5-2025-02-D3-09	16-Sept-25	IA	9m	2
Novel inverter technologies and flexibility in PV systems (EUPI-PV Partnership)	HORIZON-CL5-2025-02-D3-11	16-Sept-25	IA	6m	3

Solar – February deadlines

Call Title	Call ID	Deadline	Type of action	Budget per project (€)	Number of projects to be funded
Extending the lifetime of crystalline silicon PV modules (EUPI-PV Partnership)	HORIZON-CL5-2025-05-D3-12	17-Feb-26	RIA	4m	2
Demonstration of thermal energy storage solutions for solar thermal plants	HORIZON-CL5-2025-05-D3-05	17-Feb-26	IA	7.5m	2
Towards commercialisation of Perovskite PV and development of dedicated manufacturing equipment (EUPI-PV Partnership)	HORIZON-CL5-2025-05-D3-10:	17-Feb-26	IA	9m	2

Wave

Call Title	Topic ID	Deadline	Type of action	Budget (€)	Number of projects to be funded
De-risking wave energy technology development through transnational pre-commercial procurement of Wave energy research and development	HORIZON-CL5-2025-05-D3-13	17-Feb-26	PCP	20m	1

Cluster 5: Climate, Energy & **Mobility** Work Programme - 2025

Due to open on 6th May 2025, earliest submission date is Sept 2025 ([formally pre-published](#))

- D2 Cross-sectoral solutions for the climate transition
 - Batteries: 6 Topics, €107m
- D5 Clean and competitive solutions for all transport modes
 - Towards Zero Emission Road Transport: 7 Topics, €61m
 - Aviation: 2 Topics, €21m
 - Zero Emission Waterborne Transport: 7 Topics, €60m
 - Transport related health and environment: 1 Topic, €16m
 - Cross-cutting: 2 Topics, €3.6m
- D6 Safe, resilient transport and smart mobility services for passengers and goods
 - Connected, cooperative and automated mobility: 6 Topics, €37.5m
 - Multimodal transport, infrastructure and logistics: 5 Topics, €66.5m
 - Safety and security: 4 Topics, €32m

Batteries for Europe (Batt4EU)

[Batt4EU](#) is a Co-Programmed Partnership

The members of the partnership association (BEPA) wrote the initial Topic descriptions before the Programme Committee (PC) review

If you join the partnership association:

- You will be invited to be part of the drafting team for the next Work Programme
- You will know what the Topics are likely to be well before the delegates to the PC
- You will be 'rubbing shoulders' with your counterparts from across Europe. These will include competitors and potential customers as well as possible partners for collaboration.
- **Every** battery innovator from across Europe is a member already
- You will have an opportunity to shine – to show the others in the room that they need you in their consortium if they stand any chance of winning

Destination 2: Cross-sectorial solutions for the climate transition – Batteries

Topic Number	Topic Name	Opening Date	Closing Date	Type of Action	Number of Projects	EU grant per project
HORIZON-CL5-2026-01-D2-01	Development of sustainable and design-to-cost batteries with (energy-)efficient manufacturing processes and based on advanced and safer materials	16-09-2025	13-01-2026	IA	3	Around €8.00m
HORIZON-CL5-2025-01-Two-Stage-D2-02	Cost-effective next-generation batteries for long-duration stationary storage	06-05-2025	02-09-2025 then 31-03-2026	RIA	3	Around €5.0m
HORIZON-CL5-2025-02-D2-03	Sustainable processing and refining of raw materials to produce battery grade Li-ion battery materials	06-05-2025	16-09-2025	IA	2	Around €10m
HORIZON-CL5-2026-01-D2-04	Integrating advanced material, cell design and manufacturing development for high-performance batteries aimed at mobility	16-09-2025	13-01-2026	RIA	3	Around €10m
HORIZON-CL5-2026-01-D2-05	Accelerated multi-physical and virtual testing for battery aging, reliability, and safety evaluation	16-09-2025	13-01-2026	IA	2	Around €7.5m
HORIZON-CL5-2025-02-D2-06	Fostering the European battery Ecosystem by providing Accurate and up-to-date information and stimulating Excellence in the European battery R&I community	06-05-2025	16-09-2025	CSA	1	Around €3.0m

Towards Zero Emission Road Transport

[2ZERO](#) is a Co-Programmed Partnership

The members of the partnership association wrote the initial Topic descriptions before the Programme Committee (PC) review

If you join the partnership association:

- You will be invited to be part of the drafting team for the next Work Programme
- You will know what the Topics are likely to be well before the delegates to the PC
- You will be 'rubbing shoulders' with your counterparts from across Europe. These will include competitors and potential customers as well as possible partners for collaboration.
- **Every** automotive OEM and Tier 1 from across Europe is a member already
- You will have an opportunity to shine – to show the others in the room that they need you in their consortium if they stand any chance of winning
- For example, Ricardo UK have 8 projects in the first 3 years of Horizon Europe – they don't do this just for the money (although that is welcome) but for the influence and exposure

Destination 5: Clean and competitive solutions for all transport modes – **Towards Zero Emission Road Transport (2ZERO)**

Topic Number	Topic Name	Opening Date	Closing Date	Type of Action	Number of Projects	EU grant per project
HORIZON-CL5-2025-01-D5-01	Efficient wireless stationary bidirectional charging solutions for road Light Duty Vehicles (2ZERO Partnership) – Societal Readiness Pilot	06-05-2025	04-09-2025	IA	2	Around €10.0m
HORIZON-CL5-2025-01-D5-02	Cybersecure and resilient road e-mobility ecosystem	06-05-2025	04-09-2025	IA	1	Around €10.0m
HORIZON-CL5-2025-01-D5-03	Safe post-crash management of road Light Duty Battery Electric Vehicles (BEVs)	06-05-2025	04-09-2025	IA	1	Around €5.0m
HORIZON-CL5-2025-01-D5-04	Extended lifetime of road Battery Electric Vehicles (BEV	06-05-2025	04-09-2025	RIA	1	Around €7.0m
HORIZON-CL5-2025-01-D5-05	Road Battery Electric Vehicles (BEV) optimised user-centric solutions for energy efficiency design and consistent range throughout weather conditions	06-05-2025	04-09-2025	IA	2	Around €5.0m
HORIZON-CL5-2025-01-D5-06	Strategies, tools and concepts for optimised road Battery Electric Vehicles (BEV) long-haul logistics use cases	06-05-2025	04-09-2025	IA	1	Around €5.0m
HORIZON-CL5-2025-01-D5-07	Accelerating the transformation towards a circular automotive industry	06-05-2025	04-09-2025	CSA	1	Around €2.0m

Aviation Competitions (Topics) in Horizon Europe Cluster 5 Work Programme (**D5 & D6**)

Topic Number	Topic Name	Opening Date	Closing Date	Type of Action	Number of Projects	EU grant per project
HORIZON-CL5-2025-01-D5-08	Next generation testing capabilities in strategic EU wind tunnels	06-05-2025	04-09-2025	RIA	1	Around €15.0m
HORIZON-CL5-2025-03-Two-Stage-D5-09	Next generation aircraft autonomy technologies for cockpit / pilot assistance applications	06-05-2025	04-09-2025 then 14-04-2026	RIA	2	Around €2.5m
HORIZON-CL5-2025-01-D6-11	Innovative air mobility and services for sustainable and smart urban, peri-urban transport – Societal Readiness pilot	06-05-2025	04-09-2025	RIA	2	Around €5.0m
HORIZON-CL5-2026-01-D6-15	Icing in the context of sustainable aviation	16-09-2025	13-01-2026	RIA	1	Around €4.0m

Note that all high Technology Readiness Level Aviation Research and Innovation is carried out within the [Clean Aviation Joint Undertaking](#) who publish their own competitions that are also open to everyone from the UK

Zero Emission Waterborne Transport

[ZEWT](#) is a Co-Programmed Partnership

The members of the partnership association wrote the initial Topic descriptions before the Programme Committee (PC) review

If you join the partnership association:

- You will be invited to be part of the drafting team for the next Work Programme
- You will know what the Topics are likely to be well before the delegates to the PC
- You will be ‘rubbing shoulders’ with your counterparts from across Europe. These will include competitors and potential customers as well as possible partners for collaboration.
- **Every** maritime innovator – ports, shipyards, operators, etc., from across Europe is a member already
- You will have an opportunity to shine – to show the others in the room that they need you in their consortium if they stand any chance of winning
- For example, University of Strathclyde are already part of [six Horizon Europe ZEWTP projects](#)

Destination 5: Clean and competitive solutions for all transport modes – **Zero Emission Waterborne Transport (ZEWT)**

Topic Number	Topic Name	Opening Date	Closing Date	Type of Action	Number of Projects	EU grant per project
HORIZON-CL5-2025-01-D5-10	Innovative solutions for energy conversion and safety of low and zero-carbon fuels in waterborne transport	06-05-2025	04-09-2025	IA	2	Around €11.25m
HORIZON-CL5-2025-01-D5-11	Demonstration of battery energy storage systems in existing and new vessels via novel energy storage and ship design concepts	06-05-2025	04-09-2025	IA	2	Around €7.5m
HORIZON-CL5-2025-01-D5-12	Real-time, adaptative and innovative energy management solutions to optimise fuel consumption and lower emissions pollutants in waterborne transport	06-05-2025	04-09-2025	RIA	1	Around €4.0m
HORIZON-CL5-2025-01-D5-13	Novel holistic intelligent tools for variable retrofit and decarbonised scenarios	06-05-2025	04-09-2025	IA	1	Around €4.0m
HORIZON-CL5-2025-01-D5-14	Flexible and mobile solutions for Onshore Power Supply	06-05-2025	04-09-2025	IA	1	Around €5.0m
HORIZON-CL5-2025-01-D5-15	Optimal integrated onboard renewable energy solutions, by considering wind-powered and hull performance technologies	06-05-2025	04-09-2025	IA	1	Around €7.5m
HORIZON-CL5-2025-01-D5-16	Support of the new EU renewable and low carbon fuel ecosystem for waterborne transport	06-05-2025	04-09-2025	CSA	1	Around €2.0m
HORIZON-CL5-2026-01-D5-17	Real time monitoring of regulated and non-regulated emissions from all types of vessels and other port activities in order to enforce emission limits in waterfront cities	16-09-2025	13-01-2026	IA	2	Around €8.0m

Connected, Cooperative and Automated Mobility

[CCAM](#) is a Co-Programmed Partnership

The members of the partnership association wrote the initial Topic descriptions before the Programme Committee (PC) review

If you join the partnership association:

- You will be invited to be part of the drafting team for the next Work Programme
- You will know what the Topics are likely to be well before the delegates to the PC
- You will be 'rubbing shoulders' with your counterparts from across Europe. These will include competitors and potential customers as well as possible partners for collaboration.
- **Almost every** autonomous vehicle innovator from across Europe is a member already
- You will have an opportunity to shine – to show the others in the room that they need you in their consortium if they stand any chance of winning
- For example, University of Warwick are already part of [six Horizon Europe CCAM projects](#)

Destination 6: Safe, Resilient Transport and Smart Mobility services for passengers and goods –

Connected, Cooperative and Automated Mobility (CCAM)

Topic Number	Topic Name	Opening Date	Closing Date	Type of Action	Number of Projects	EU grant per project
HORIZON-CL5-2025-01-D6-01	Advancing remote operations to enable the sustainable and smart mobility of people and goods based on operational and societal needs – Societal Readiness Pilot	06-05-2024	04-09-2025	RIA	2	Around €6.0m
HORIZON-CL5-2025-01-D6-02	Preparing for large-scale CCAM demonstrations – Societal Readiness Pilot	06-05-2024	04-09-2025	CSA	1	Around €4.0m
HORIZON-CL5-2026-01-D6-03	Next-generation environment perception for real world CCAM operations: Error-free and secure technologies to improve energy-efficiency, cost-effectiveness, and circularity	16-09-2025	13-01-2026	RIA	2	Around €4.0m
HORIZON-CL5-2026-01-D6-04	Integration of human driving behaviour in the validation of CCAM systems	16-09-2025	13-01-2026	RIA	1	Around €5.0m
HORIZON-CL5-2026-01-D6-05	Approaches, verification and training for Edge-AI building blocks for CCAM Systems	16-09-2025	13-01-2026	RIA	1	Around €4.0m
HORIZON-CL5-2026-01-D6-06	Federated CCAM data exchange platform	16-09-2025	13-01-2026	IA	1	Around €4.0m

Destination 6: Safe, Resilient Transport and Smart Mobility services for passengers and goods –

Multimodal transport, infrastructure and logistics

Topic Number	Topic Name	Opening Date	Closing Date	Type of Action	Number of Projects	EU grant per project
HORIZON-CL5-2026-01-D6-07	Innovative construction and maintenance, with the use of new materials and techniques, for resilient and sustainable transport infrastructure	16-09-2025	13-01-2026	IA	2	Around €11.0m
HORIZON-CL5-2026-01-D6-08	Accelerating freight transport and logistics digital innovation	16-09-2025	13-01-2026	IA	2	€7.0m to €8.0m
HORIZON-CL5-2026-01-D6-09	Reliable data and practices to measure and calculate transport emissions in multimodal transport chains	16-09-2025	13-01-2026	CSA	1	Around €3.5m
HORIZON-CL5-2026-01-D6-10	Integrating inland waterway transport in smart shipping and multimodal logistics chains	16-09-2025	13-01-2026	IA	2	Around €8.0m
HORIZON-CL5-2025-01-D6-11	Innovative air mobility and services for sustainable and smart urban, peri-urban transport – Societal Readiness pilot	06-05-2025	04-09-2025	RIA	2	Around €5.0m

Destination 6: Safe, Resilient Transport and Smart Mobility services for passengers and goods – **Safety and resilience**

Topic Number	Topic Name	Opening Date	Closing Date	Type of Action	Number of Projects	EU grant per project
HORIZON-CL5-2025-01-D6-12	Safe Human-Technology Interaction (HTI) in the vehicle systems of the coming decade – Societal Readiness Pilot	06-05-2025	04-09-2025	RIA	2	Around €6.0m
HORIZON-CL5-2026-01-D6-13	Safety of Cyclists, Pedestrians and Users of Micromobility Devices	16-09-2025	13-01-2026	RIA	2	Around €5.0m
HORIZON-CL5-2026-01-D6-14	Predicting and avoiding road crashes based on Artificial Intelligence (AI) and big data	16-09-2025	13-01-2026	RIA	2	Around €5.0m
HORIZON-CL5-2026-01-D6-15	Icing in the context of sustainable aviation	16-09-2025	13-01-2026	RIA	1	Around €4.0m



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How do I join a winning consortium?
(the most frequently asked question)

Horizon Europe National Contact Points (NCPs)

Team of national advisors, appointed by the Government, to support 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

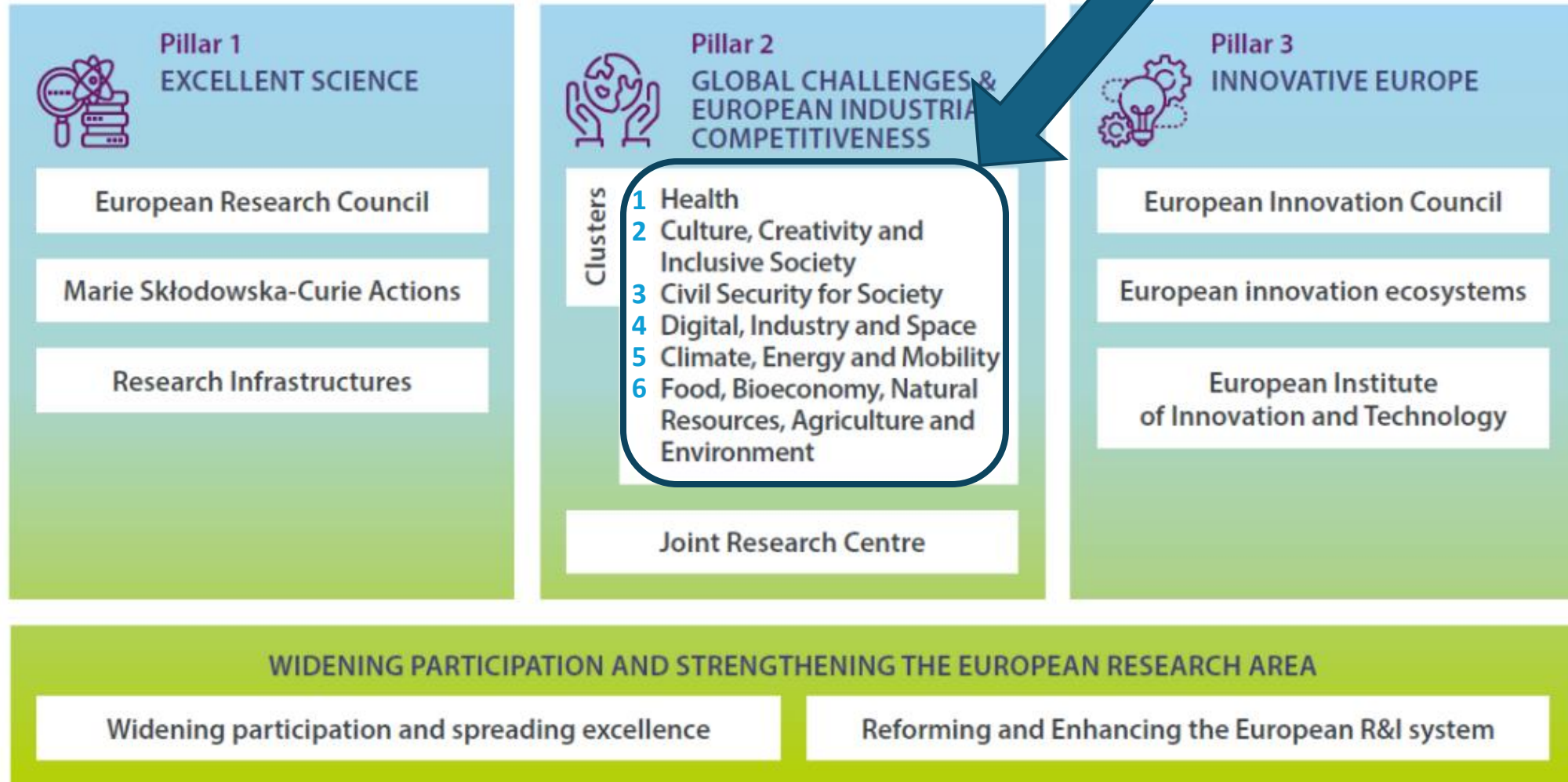


Find National Contact
Points from all
participating countries

Top Tip – get to know your NCP

Horizon Europe

International consortium is
ALWAYS required



Pillar 2 eligibility criteria

There are several types of eligibility, and it can be confusing:

- Eligibility to be part of a consortium/project
- Eligibility to receive funding as part of a consortium/project
- Eligibility to be one of the minimum number of participants necessary in a consortium/project



International Participation

Some topics state international participation is **essential**, e.g. “In addition to the conditions described in General Annex B, the consortium must include at least three legal entities from three different African countries”

Some topics state international collaboration is **advised**, e.g. “In order to achieve the expected outcomes, international cooperation is advised, in particular with projects or partners from the US, Japan, Canada, South Korea, Singapore, Australia”

Some topics state **limitations** on international collaboration, e.g. “participation to the call is limited to legal entities established in Member States, associated countries, OECD countries, African Union Countries, and MERCOSUR, CARIFORUM, and Andean Community” and from the [General Annexes](#): “Legal entities established in China are not eligible to participate in Horizon Europe Innovation Actions in any capacity.”

Top Tip: Most countries around the world have Horizon Europe National Contact Points – find their [details here](#) and there is a full list of [participating countries](#) published too



Global approach to research & innovation

*Europe's strategy for international cooperation in a changing world**

European Commission for Cluster 5:
***“Never in the history of Horizon Europe
has a proposal from a team of just
newcomers to the programme been
successful”***

Top Tip: Treat joining a consortium as a project in its own right. Develop a plan, allocate resources, set milestones, have regular progress reviews, etc.

Formal consortium building mechanisms

Participant portal – Every topic on the [EU Funding & Tenders Portal](#) 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 Tenders Portal where you can also search for past projects and organisations

Brokerage events and tools – European Commission, Technology Platforms, Co-Programmed Partnerships, Enterprise Europe Network, Innovate UK Business Connect, NCPs from around Europe, etc will hold in-person and/or virtual events with e.g., Meeting Mojo, B2B and other tools



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

The best ways to join 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 (LinkedIn is a great resource)
- Attend networking events such as conferences and workshops.
- **Join the relevant technology platforms, networks, associations and partnerships**
Top Tip: ask your NCP for suggestions in your sector for events and associations
 - 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

Attending Network Events?

- For UK SMEs, travel grants of up to £700 available for many European events – check <https://iuk-business-connect.org.uk/news/travel-support-now-available/>
- If your chosen event isn't listed, contact your NCP and ask if it can be added (we can't promise but we can try) at least 8 weeks before the event
- **Top Tip: Prepare in advance and, once there, don't be a wallflower**

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.***

Top Tip: print this out in A5 and take a few copies with you to hand to likely partners

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 Participant Identification Code (PIC)

How to find partners with a track record of success

- Search [Cordis](#) using key words for relevant projects already underway
 - E.g. searching for 'green shipping wind' returns 15 projects
 - 1st listed is a project called 'ORCELLE: Wind as Main Propulsion'
 - Gives project coordinator as Wallenius Wilhelmsen Ocean AS of Norway and **gives the opportunity to contact them and their partners**
 - Contact is to the Project Participant (i.e. the person doing the project), not just a central administrative function
- **Top Tip Write them a note saying you think their project looks really interesting, etc. – get into a conversation before asking to join their next proposal**


Coordinator



Wallenius Wilhelmsen Ocean AS

Address

Strandveien 20
1366 Lysaker

 Norway 

Activity type

Private for-profit organisation including Higher or Secondary Education Establishments

Links

[Contact the organisation](#) 

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

[HORIZON collaboration network](#) 

Participants (11)

What constitutes a winning consortium?

One that can **deliver** the expected outcomes within the stated scope and budget (and give the evaluators confidence that they can)

Common to see universities, big business, small business, research and technologies organisations, consultancies, local authorities, national authorities all within the one consortium. There is no 'typical' or 'model' consortium structure/membership

Useful to include exploitation partners – someone who is going to take the outputs of the project and actually implement them (e.g. a pharmaceutical company, end user cohort, etc) to show immediate impact

Useful to include the end user community, possibly as an advisory board (not direct beneficiaries but costs e.g. travel can be included in 'other costs') or associate partners, again to demonstrate route to implementation

Summary

Get out there and network – getting into the winning team is as important as writing a good proposal



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