

#innovacion
#ayudascdti
#asesoramiento
#internacionalizacion



H. Europe. Cluster 5. Movilidad



**HORIZONTE
EUROPA**
@HorizonteEurop
a

Juan Francisco Reyes
Juanfrancisco.reyes@cdti.es
Bilbao

16 de febrero de 2026

Policies

Horizon Europe.

Horizon Europe. Cluster 5. Estructura

Horizon Europe. Cluster 5. Movilidad. WP 2026

Novedades

Topics

Contexto, selección de algunas **políticas**,...



2011
White Paper
Transport

STRIA. Strat. Transport and Innovation Agenda

3 x Paquetes de Movilidad

Estrategia **Industrial** Europea



Pacto **Verde** Europeo

Competitiveness compass



2020
Strategy for
Sustainable and Smart
Mobility

Fit for 55

Clean Industrial Deal

EU net zero industry act



Relación entre políticas y resultado de los proyectos

Strategic Planning and Programming

EU POLICY PRIORITIES	Overall priorities of the European Union (Green Deal, Fit for the Digital Age,...)
KEY STRATEGIC ORIENTATIONS	Set of strategic objectives within the EC policy priorities where R&I investments are expected to make a difference
IMPACT AREAS	Group of expected impacts highlighting the most important transformation to be fostered through R&I
EXPECTED IMPACTS = DESTINATIONS	Wider long term effects on society (including the environment), the economy and science , enabled by the outcomes of R&I investments (long term). It refers to the specific contribution of the project to the work programme expected impacts described in the destination. Impacts generally occur some time after the end of the project.
EXPECTED OUTCOMES = TOPICS	The expected effects, over the medium term , of projects supported under a given topic. The results of a project should contribute to these outcomes, fostered in particular by the dissemination and exploitation measures. This may include the uptake, diffusion, deployment, and/or use of the project's results by direct target groups. Outcomes generally occur during or shortly after the end of the project.
PROJECT RESULTS	What is generated during the project implementation. This may include, for example, know-how, innovative solutions, algorithms, proof of feasibility, new business models, policy recommendations, guidelines, prototypes, demonstrators, databases and datasets, trained researchers, new infrastructures, networks, etc. Most project results (inventions, scientific works, etc.) are 'Intellectual Property', which may, if appropriate, be protected by formal 'Intellectual Property Rights'

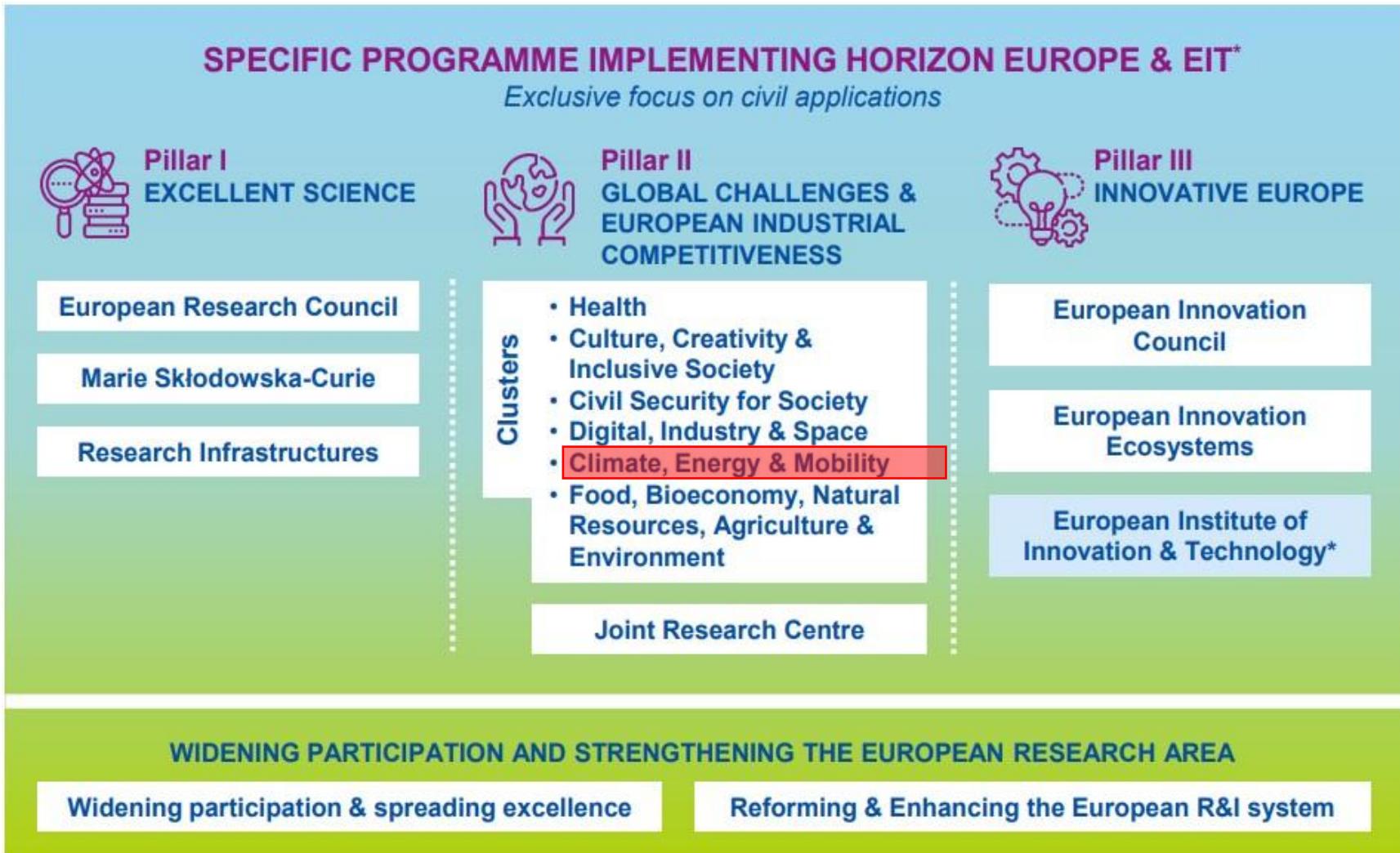
(EC)
STRATEGIC PLAN

WORK PROGRAMME

PROJECT PROPOSALS

Application process (researchers)

Horizon Europe.



General characteristics

Collaboratory R&D Projects

Min **3** independent legal entities from **3** MMSS or AASS (at least 1 from UE).

Grants:

100% / 70% Direct Cost
+ 25% Indirect cost

Exceptions:
Lump sum,

Cluster 5. Work Programme. 2021 - 2025

Destination 1 – Climate science

Climate science

Destination 2 – Cross-cutting solutions

Batteries

Cities

Breakthrough technologies

Citizen and stakeholder engagement

Destination 3 – Energy supply

Renewable energy

Energy system, grids and storage

CCUS

Cross-cutting activities

Destination 4 – Energy demand

Buildings

Industry

Destination 5 - Clean and competitive solutions for all transport modes

Zero-emission road transport

Aviation

Waterborne transport

Transport-related health and environmental issues

Destination 6 - Transport and Smart Mobility services

Connected, Cooperative and Automated Mobility

Multimodal and sustainable transport systems for passengers and goods

Safety and resilience



GOBIERNO
DE ESPAÑA

MINISTERIO
DE CIENCIA, INNOVACIÓN
Y UNIVERSIDADES



Cluster 5. Climate, energy and Mobility. Partnerships

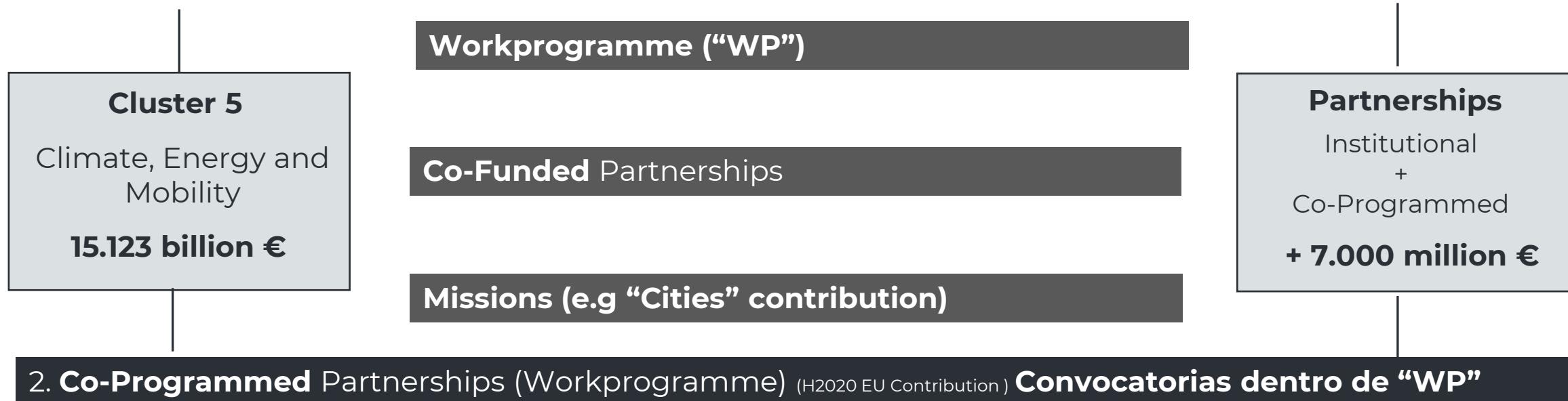
1. Institutional Partnerships HE EU Contribution (H2020 EU Contribution): Convocatorias Propias

Europe's Rail. **0.6 billion €** (0.45 billion €)

Single European Sky ATM Research **0.6 billion €** (0.58 billion €)

Clean Aviation **1.7 billion €** (1.7 billion € EU)

Clean Hydrogen **1 billion € + 200 million EUR** RePOWEREU (0.66 billion € EU)



2. Co-Programmed Partnerships (Workprogramme) (H2020 EU Contribution) Convocatorias dentro de "WP"

Toward zero-emission road transport (2ZERO). **615 million €** (750 million €)

Batteries **925 million €** (N/A)

Zero-emission waterborne transport (ZEWWT). **530 million €** (N/A)

C. C. Automated Mobility (CCAM). **500 million €** (N/A)

P. sustainable built environment (Built4People) **380 million €** (600 million €)

Solar Photovoltaics. (up to) **240 million €**. New Strategic Plan 2025-2027

Cluster 5. Work Programme

Destination 1 – Climate science

Climate science

Destination 2 – Cross-cutting solutions

Batteries

Cities

Breakthrough technologies

Citizen and stakeholder engagement

Destination 3 – Energy supply

Renewable energy

Energy system, grids and storage

CCUS

Cross-cutting activities

Destination 4 – Energy demand

Buildings

Industry

Destination 5 - Clean and competitive solutions for all transport modes

Zero-emission road transport

Aviation

Waterborne transport

Transport-related health and environmental issues

Destination 6 - Transport and Smart Mobility services

Connected, Cooperative and Automated Mobility

Multimodal and sustainable transport systems for passengers and goods

Safety and resilience

Co-Programmed Partnerships Movilidad



GOBIERNO
DE ESPAÑA

MINISTERIO
DE CIENCIA, INNOVACIÓN
Y UNIVERSIDADES



Del Programa del trabajo al topic



EN

Horizon Europe

Work Programme 2026-2027

8. Climate, Energy and Mobility

(European Commission Decision C(2025) 8493 of 11 December 2025)

Calls for proposals.....	22
Call - BATTERIES and ENERGY	22
Overview of this call	22
Call - ENERGY	24
Overview of this call	24
Call - MOBILITY.....	25
Overview of this call	25
Call - MOBILITY.....	27
Overview of this call	27
Call - CLIMATE	28
Overview of this call	28
Call - CLIMATE	29
Overview of this call	30
Call - BATTERIES and ENERGY	31
Overview of this call	31
Call - BATTERIES and MOBILITY	33
Overview of this call	33
Call - ENERGY	35
Overview of this call	35
Call - CLIMATE	36
Overview of this call	36
Call - BATTERIES and ENERGY	38
Overview of this call	38
Call - MOBILITY.....	40
Overview of this call	40
Call - BATTERIES and MOBILITY	42
Overview of this call	43
Call - BATTERIES and ENERGY	44

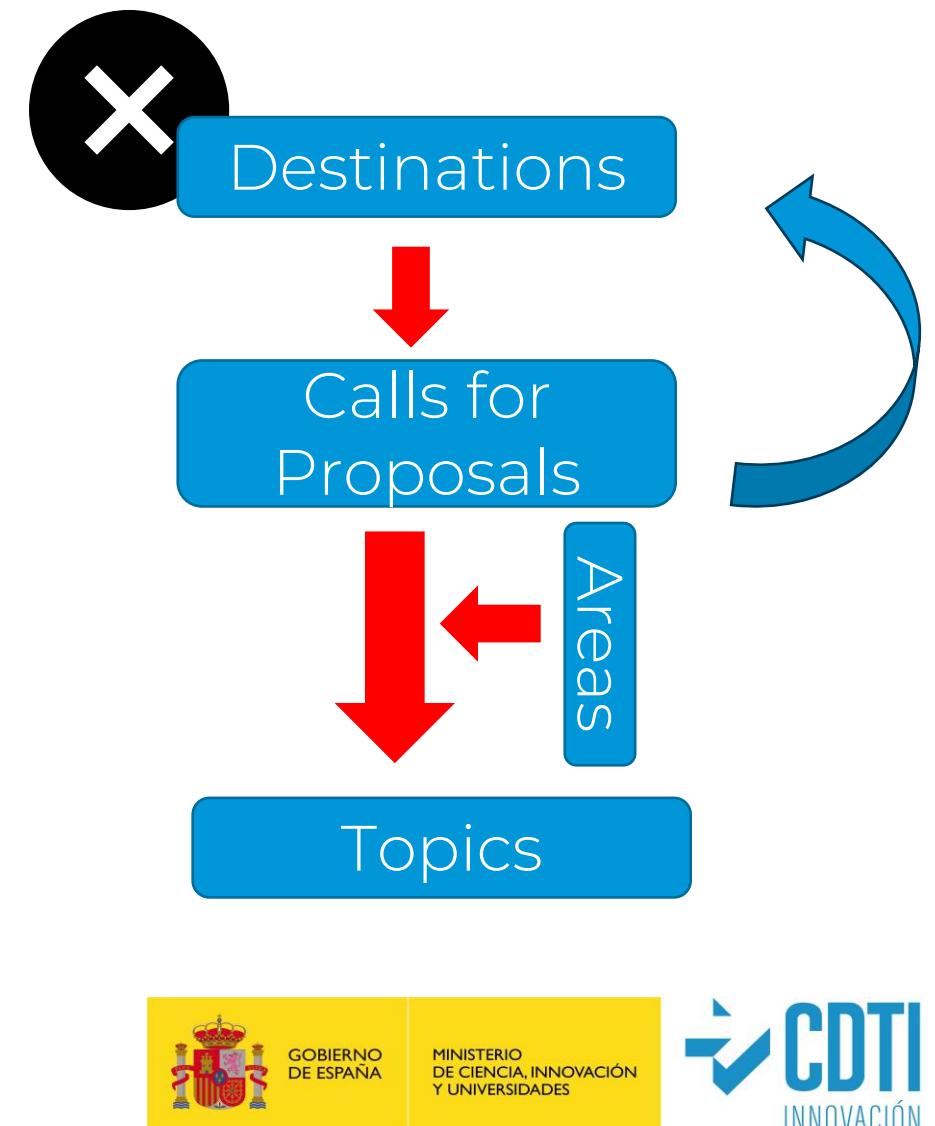


GOBIERNO
DE ESPAÑA

MINISTERIO
DE CIENCIA, INNOVACIÓN
Y UNIVERSIDADES

Del Programa del trabajo al topic.

Safe, Resilient Transport and Smart Mobility services for passengers and goods	263
Connected, Cooperative and Automated Mobility (CCAM)	264
HORIZON-CL5-2026-10-D6-01: Flagship-pilot: large-scale demonstrations of CCAM (CCAM Partnership)	264
HORIZON-CL5-2026-10-D6-02: Geopolitical competition and socioeconomic resilience in CCAM: an innovation and policy roadmap for EU leadership (CCAM Partnership)	268
HORIZON-CL5-2026-10-D6-03: Generative AI for smarter CCAM: enhancing perception, decision-making, and validation (CCAM Partnership).....	272
HORIZON-CL5-2027-06-D6-04: Holistic solutions for CCAM integration in critical scenarios (CCAM Partnership)	275
HORIZON-CL5-2027-06-D6-05: European CCAM knowledge hub and tools for safe and scalable deployment (CCAM Partnership)	279
Multimodal transport, infrastructure and logistics	281
HORIZON-CL5-2026-10-D6-06: Increasing competitiveness and resilience of multimodal freight transport and logistics for competitive supply chains.....	281
HORIZON-CL5-2026-10-D6-07: Supporting sustainable and smart urban mobility in Europe (CIVITAS).....	284
HORIZON-CL5-2027-06-D6-08: Enhancing Mobility for All: affordable, reliable, and accessible multimodal transport for inclusive rural and urban connectivity – Societal	
[...]	
[...]	



Del Programa del trabajo al topic

Proposals are invited against the following Destinations and topic(s):

Topics	Type of Action	Budgets (EUR million)	Expected EU contribution per project (EUR million) ⁵²	Indicative number of projects expected to be funded			
		2026					
Opening: 04 Jun 2026							
Deadline(s): 08 Oct 2026							
Cross-sectoral solutions for the climate transition							
HORIZON-CL5-2026-10-D2-03: Integrated Production and Product Development for Next-Generation Lithium-based Batteries for Mobility (BATT4EU and Made in Europe Partnerships)	IA	100.00 ⁵³	Around 33.30	3			
Safe, Resilient Transport and Smart Mobility services for passengers and goods							
HORIZON-CL5-2026-10-D6-01: Flagship-pilot: large-scale demonstrations of CCAM (CCAM Partnership)	IA	100.00	Around 100.00	1			



GOBIERNO
DE ESPAÑA

MINISTERIO
DE CIENCIA, INNOVACIÓN
Y UNIVERSIDADES



Del Programa del trabajo al topic

HORIZON-CL5-2025-03-Two-Stage-D5-09: Next generation aircraft autonomy technologies for cockpit / pilot assistance applications	
Call: Cluster 5 Call 03-2025 (2-stage) (WP 2025)	
Specific conditions	
<i>Expected EU contribution per project</i>	The Commission estimates that an EU contribution of around EUR 3.50 million would allow these outcomes to be addressed appropriately. Nonetheless, this does not preclude submission and selection of a proposal requesting different amounts.
<i>Indicative budget</i>	The total indicative budget for the topic is EUR 7.00 million.
<i>Type of Action</i>	Research and Innovation Actions
<i>Eligibility conditions</i>	<p>The conditions are described in General Annex B. The following exceptions apply:</p> <p>If projects use satellite-based earth observation, positioning, navigation and/or related timing data and services, beneficiaries must make use of Copernicus and/or Galileo/EGNOS (other data and services may additionally be used).</p> <p>The following exceptions <u>apply</u>: subject to restrictions for the protection of European communication networks.</p>
<i>Technology Readiness Level</i>	Activities are expected to achieve TRL 2-4 by the end of the project – see General Annex B. Activities may start at any TRL.
<i>Legal and financial set-up of the Grant Agreements</i>	<p>The rules are described in General Annex G. The following exceptions apply:</p> <p>Eligible costs will take the form of a lump sum as defined in the Decision of 7 July 2021 authorising the use of lump sum contributions under the Horizon Europe Programme – the Framework Programme for Research and Innovation (2021-2027) – and in actions under the</p>

Research and Training Programme of the European Atomic Energy Community (2021-2025)²⁰⁷.
Expected Outcome: Project results should contribute to the European civil aircraft cockpit <u>technology roadmaps</u> on crew assistance/automation/autonomy, with focus to next generation aircraft autonomy technologies for cockpit / pilot assistance applications.
Project results are expected to contribute to at least two of the following expected outcomes:
<ul style="list-style-type: none">Increasing safety in cockpits, by providing to the crew's assistance new systems or functionalities, with new capabilities for new aircraft platforms, new Human Machine Interface concepts and technologies.Contribution to the roadmap of cockpits digitalisation and autonomy, by conceiving new cockpit capabilities, allowing an enhanced Human-System Relation (new ways for the crews to interact or collaborate with the cockpit). Technological breakthrough could bring to future cockpits the development potential necessary to take up the challenges of the next <u>decades</u>.Increased efficiency of cockpits performances: reduction of size, weight and power consumption (<u>SWaP</u>) of systems and equipment, reduced total lifecycle costs, integration levels by reduced production times and, first-time-right delivery.
Scope: Next generation aircrafts will be even more digital and automated, with more interactive and automated cockpits. This will be even more reliant on automation <u>evolution</u> and it is expected to mitigate an always-increased complexity of aircraft systems and operations, ensuring safe and efficient <u>operations</u> . However, automation is also prone to significant errors when misused or misunderstood, especially if this is combined with new aircraft platforms (incl. new systems/capabilities) or new types of operations.
The projects should develop new technology bricks in line with the aircraft concepts proposed in the updated Horizon Europe Clean Aviation Strategic Research and Innovation Agenda ²⁰⁸ and possibly exploit lessons learned from the H2020-CS2 Large Aircraft Disruptive Cockpit Demonstrator ²⁰⁹ . Synergies may also be sought with Horizon Europe SESAR Single Person Operations projects.
The technology bricks should be aligned with the needs of future aircraft generations and operations, new requirements, and cockpit philosophy of European aircraft integrators for the next generations of aircrafts, while they should be cyber-resilient and controlled by a single pilot and without the assistance of an on-board human co-pilot. Development of simulation tools, use of artificial intelligence models, human factors, and cost-benefit analysis (CBA) of

Y....dar respuesta a los *Expected Impacts* (a uno o a varios) a nivel de “Destination”

Cubrir el “topic” al 100%, dar respuesta a todo lo que se indica en los distintos apartados:

- Specific conditions*
- Expected outcomes*
- Scope*



Cluster 5. Work Programme. Lump sum, CDE, ...

Writing a lump sum proposal

- To write a lump sum proposal, you:
 - Use the standard Horizon Europe application form
 - Present the objectives and methodology of your project and address the expected outcomes and impacts as in any Horizon Europe proposal
 - Describe in detail the activities covered by each work package.
- To define and justify the lump sum, you need to provide a **detailed budget table** with cost estimations.
- The detailed budget table is an **Excel file**. You must download it from the online submission system, fill it and submit it as an annex to the Part B of your application form.



Communication



Dissemination



Exploitation



Reach out to society and show the impact and benefits of EU-funded R&I activities, e.g. by addressing and providing possible solutions to fundamental societal challenges.

Transfer knowledge & results with the aim to enable others to use and take up results, thus maximising the impact of EU-funded research.

Effectively use project results through scientific, economic, political or societal exploitation routes aiming to turn R&I actions into concrete value and impact for society.



Objective

Inform about and promote the project AND its results/success.

Describe and ensure results available for others to **USE** → focus on results only!

Make concrete use of research results (not restricted to commercial use.)



Focus

Multiple audiences beyond the project's own community incl. media and the broad public.

Audiences that may take an interest in the potential **USE** of the results (e.g. scientific community, industrial partner, policymakers).

People/organisations including project partners themselves that make concrete use of the project results, as well as user groups outside the project.



Target Audience

Cluster 5. Work Programme. 2025. **SSH, RRI, SRP**

SSH: Social Science Humanities

Social science is the study of people

SS: social organisation of human action

H: cultural principles that underpin how societies are governed

sociology and economics, psychology and political science, history and cultural sciences, law, and ethics



RRI: Responsible Research & Innovation

procedural interventions in policy makers' and researchers' activities by supporting co-creation with societal actors in different ways.

Reflection on the goals, values, and activities of R&I

Inclusion of broader, diverse groups of stakeholders and participants

Anticipation of possible consequences, knock-on effects, unintended consequences of R&I

Responsiveness to recommendations and changes to improve R&I processes in the service of improved public impact

NEW

Societal Readiness Pilot

the consideration of different societal needs and concerns and to respond to them, thereby increasing the potential for societal uptake.



Technology is the answer.
But what was the question?

Cedric Price



GOBIERNO
DE ESPAÑA

MINISTERIO
DE CIENCIA, INNOVACIÓN
Y UNIVERSIDADES

Cluster 5. Novedades desde 2025

Societal Readiness Pilot

- **Resources should be explicitly** allocated to cover project activities associated
- Consortia should bring sufficient expertise to support Societal Readiness activities via the inclusion of **partners with appropriate expertise in SSH disciplines**.
- **All partners** in the consortia should be associated to the Societal Readiness tasks,
- **....section 1.2 Methodology....**
- engage with the **Coordinating and Support Action** funded under *HORIZON-CL5-2026-01-D2-09*
- ***First report on Societal Readiness & Final report on Societal Readiness***
- The standard template of the **Application Form remains unchanged**, and its page limit is increase by **two additional pages**.

Cluster 5. Novedades desde 2025

Two – Stage + Blind Evaluation

Excellencia / Impacto

Threshold: 4 / 5

First stage -> Second stage: some changes



WP 2026 Two-Stage Calls – 4/4 – Blind evaluation

- For 2026, **three out of the four two-stage topics** will be evaluated blindly for their first stage only (see specific topic conditions)
- NEW admissibility criterion:** Applicants submitting a proposal for a blind evaluation must not disclose their **organisation names, acronyms, logos nor names of personnel** in **Part B and abstract** of their first-stage application. Proposals including indirect identification of applicants will be assessed on a case-by-case basis



No identification data can be mentioned by applicants in the proposal's **Part B and abstract** of first stage applications otherwise inadmissible proposal

Article 28

Award criteria and selection

- A proposal shall be evaluated on the basis of the following award criteria:
 - excellence;
 - impact;
 - quality and efficiency of the implementation.
- Only the criterion referred to in point (a) of paragraph 1 shall apply to proposals for ERC frontier research actions.
- The work programme shall lay down further details concerning the application of the award criteria laid down in paragraph 1 including any weighting, thresholds and where relevant rules for dealing with ex aequo proposals, taking into consideration the objectives of the call for proposals. The conditions for dealing with ex aequo proposals may include, but shall not be limited to, the following criteria: SMEs, gender and geographical diversity.

The Commission and other funding bodies shall take into account the possibility of a two-stage submission and evaluation procedure and where appropriate, **inadmissible proposals** may be evaluated during the **first stage of evaluation** based on one or more of the award criteria referred to in paragraph 1.

2-Stage Calls

First-stage applications:

- The threshold for each of both criteria ('Excellence' and 'Impact') will be 4 out of 5
- The level of the overall threshold, applying to the sum of these two individual scores, is dynamic and will depend on the volume of proposals received: it will be set at a level that ensures the total requested budget of proposals admitted to stage 2 is as close as possible to three times the available budget*, and not less than two and a half times the available budget. The threshold is expected to be set at 8 or 8.5 (summing both criteria)
- The exploitation and dissemination plan is not required for applications at the first stage of 2-stage procedures
- Applicants are informed about the results of the evaluation, but **no evaluation summary report (ESR) is sent for successful stage 1 proposals**. Instead, the Commission provides a general feedback

THE EU RESEARCH & INNOVATION PROGRAMME 2021 – 2027



2-Stage Calls

Second-stage applications:

- Second stage includes one **additional admissibility check** to ensure fair and equal treatment of competing proposals: the full proposal at stage 2 must be **consistent with the short outline proposal and may NOT differ on the proposal content substantially** — otherwise it will be inadmissible
- The Commission ensures systematic screening of all stage 2 proposals for manifest differences and does not rely only on the differences indicated by the applicants. Any justifications that the applicant has given for changes at stage 2 are examined (e.g., **OK: some changes of consortium and/or coordination, absence of a previously mentioned partner. NOT OK: e.g., Concept, methodology, objectives, etc.**)

THE EU RESEARCH & INNOVATION PROGRAMME 2021 – 2027



Cluster 5. Work Programme. 2025. Int. Collaboration

HOW TO PARTICIPATE IN HORIZON EUROPE



How can you participate?

Collaborative projects: most EU support is allocated to collaborative research projects carried out by consortia of organisations working together on specific research areas. Organisations from anywhere in the world can participate, but consortia must include at least one organisation established in an EU Member State and at least two other organisations established in different EU Member States or [countries associated to Horizon Europe](#).

Individual researchers: The [European Research Council](#) and the [Marie Skłodowska-Curie](#) actions offer unparalleled opportunities for researchers who want to work in Europe. If you are considering applying for these, you should contact your choice for a potential host institution in advance.

Are you eligible for funding?

Researchers and organisations established anywhere in the world can participate in Horizon Europe. In addition, some may be eligible for EU-funding including:

- Organisations established in the European Union or in a country associated to Horizon Europe, are automatically eligible for funding.
- Organisations established in some [110 low- and middle-income countries](#) are eligible for EU-funding.
- Organisations established in other countries can still be eligible for EU funding when this is explicitly stated in the relevant call for proposals/topic² or when their participation is considered by the European Commission to be essential for carrying out the action³.
- Individual researchers wishing to work in the EU and Horizon Europe associated countries, could in general also be eligible for funding, through their host institutions, regardless of nationality—in European Research Council actions and, depending on the type of actions they apply to, in the Marie Skłodowska-Curie actions (some of which require international mobility of the researcher).



Horizon Europe includes a new 'associated partner' status, similar but with several improvements compared to the 'international partner' status under Horizon 2020, to simplify the participation of research organisations in countries outside the EU which are not eligible for funding, and which bring their own financing.

https://research-and-innovation.ec.europa.eu/document/download/f3e10727-68a4-42de-8474-7e0d4c445b76_en?filename=Why%20and%20how%20to%20participate%20to%20Horizon%20Europe%20for%20international%20researchers.pdf

EU Grants: List of participating countries (HE): V3.4 – 10.04.2025

List of Participating Countries in Horizon Europe

Third countries associated to Horizon Europe

Association to Horizon Europe is governed by the Horizon Europe Regulation¹. Legal entities from associated countries can participate under equivalent conditions as legal entities from the EU Member States, unless specific limitations or conditions are laid down in the work programme and/or call/topic text. Such measures could limit the participation in certain actions to legal entities established in the EU and specified non-EU countries, in order to safeguard strategic assets, interests, autonomy or security. Limitations or conditions may be attached to the participation of legal entities established in an eligible country and controlled directly or indirectly by an ineligible country². The eligibility will be defined in the work programme. There could also be criteria on the establishment of the legal entity to take into account specific policy requirements and objectives of the action³.

All sixteen non-EU countries associated to the previous programme, Horizon 2020, also expressed interest to become associated to Horizon Europe. Other third countries have also expressed an interest in association.

The association agreements with the following countries have now started to have legal effects (either through provisional application or their entry into force in alphabetical order):

1. Albania
2. Armenia
3. Bosnia and Herzegovina
4. Canada (associated to Pillar II 'Global Challenges and European Competitiveness', including for the institutionalised European partnerships for award procedures implementing Union budget for the year 2024 and beyond)
5. Faroe Islands
6. Georgia
7. Iceland
8. Israel
9. Kosovo⁴
10. Moldova
11. Montenegro
12. New Zealand (associated to Pillar II 'Global Challenges and European Competitiveness' as from the Work Programmes 2023 onwards, including institutionalised European partnerships)
13. North Macedonia

¹ Regulation (EU) 2021/695 of the European Parliament and of the Council of 28 April 2021 establishing Horizon Europe – the Framework Programme for Research and Innovation, laying down its rules for participation and dissemination, and repealing Regulation (EU) No 1290/2013 and (EU) No 1291/2013 (OJ L 170/1).

² Based on Horizon Europe Regulation article 22(5).

³ Based on Horizon Europe Regulation article 22(6).

⁴ This designation is without prejudice to positions on status, and is in line with UNSCR 1244/1999 and the ICJ Opinion on the Kosovo declaration of independence.

Participants from the following low- to middle-income countries are **automatically eligible** for funding:
- Afghanistan, Algeria, Angola, Argentina, Azerbaijan
- Bangladesh, Belarus, Belize, Benin, Bhutan, Bolivia, Botswana, Burkina Faso, Burundi
- Cabo Verde, Cambodia, Cameroon, Central African Republic, Chad, Colombia, Comoros, Congo (Democratic Republic), Congo (Republic), Costa Rica, Côte d'Ivoire, Cuba
- Djibouti, Dominica, Dominican Republic
- Ecuador, Egypt (Arab Republic), El Salvador, Equatorial Guinea, Eritrea, Eswatini, Ethiopia
- Fiji
- Gabon, Gambia, Ghana, Grenada, Guatemala, Guinea, Guinea-Bissau, Guyana
- Haiti, Honduras
- Indonesia, Iran (Islamic Republic), Iraq
- Jamaica, Jordan
- Kazakhstan, Kenya, Kiribati, Korea (Democratic People's Republic), Kyrgyz Republic
- Lao (People's Democratic Republic), Lebanon, Lesotho, Liberia, Libya
- Madagascar, Malawi, Malaysia, Maldives, Mali, Marshall Islands, Mauritania, Mauritius, Micronesia (Federated States), Mongolia, Morocco, Mozambique, Myanmar
- Namibia, Nepal, Nicaragua, Niger, Nigeria
- Pakistan, Palestine⁵, Papua New Guinea, Paraguay, Peru, Philippines
- Rwanda
- Samoa, São Tomé and Príncipe, Senegal, Sierra Leone, Solomon Islands, Somalia, South Africa, South Sudan, Sri Lanka, St. Lucia, St. Vincent and the Grenadines, Sudan, Suriname, Syrian Arab Republic
- Tajikistan, Tanzania, Thailand, Timor-Leste, Togo, Tonga, Turkmenistan, Tuvalu
- Uganda, Uzbekistan
- Vanuatu, Venezuela (Bolivarian Republic), Vietnam
- Yemen Republic
- Zambia, Zimbabwe.

⁵ Subject to the respect of EU restrictive measures (see disclaimer below).
This designation is not beyond recognition of a State of Palestine and is without prejudice to the individual positions of the Member States on this issue.

¹ Regulation (EU) 2021/695 of the European Parliament and of the Council of 28 April 2021 establishing Horizon Europe – the Framework Programme for Research and Innovation, laying down its rules for participation and dissemination, and repealing Regulation (EU) No 1290/2013 and (EU) No 1291/2013 (OJ L 170/1).

² Based on Horizon Europe Regulation article 22(5).

³ Based on Horizon Europe Regulation article 22(6).

⁴ This designation is without prejudice to positions on status, and is in line with UNSCR 1244/1999 and the ICJ Opinion on the Kosovo declaration of independence.

1



GOBIERNO
DE ESPAÑA
MINISTERIO
DE CIENCIA, INNOVACIÓN
Y UNIVERSIDADES



https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/common/guidance/list-3rd-country-participation_horizon-euratom_en.pdf

Reduction in page limits

Following the simplification of sections 2 and 3, page limits for application form part Bs are reduced by 5 pages. The new standard page limits are

- 40 pages for actual costs RIA and IA
- 45 pages for lump sum RIA and IA
- 25 pages for actual costs CSA
- 28 pages for lump sum CSA
- 65 pages for HORIZON-COFUND
- 40 pages for PCP
- 40 pages for PPI

Specific calls might use different page limits when specifically mentioned in the work programme and call documents.

!! These changes apply only to calls from Work Programme 2026-2027.

Calls from Work Programme 2025 and launched in 2026 will use the 2025 templates and page limits.

Cluster 5. Climate, energy and Mobility. **Novedades**

Priority ranking

Tip 7: Priority ranking criteria if same score

**50/50
“leading role”**

1. Proposals that address **aspects of the call that have not otherwise been covered by more highly ranked proposals**.
2. Proposals prioritised according to the scores they have been awarded for ‘**Excellence**’. If equal, priority will be based on scores for ‘**Impact**’. In the case of ‘**Innovation actions**’, priority for ‘**Impact**’, followed by ‘**Excellence**’
3. If necessary, the **gender balance** among the **researchers with a leading role named in the researchers table** in the proposal, will be used as a factor for prioritisation. Proposals closer to **50/50 gender balance** get the highest priority.
4. **Geographical diversity**, defined as the number of **Member States or Associated Countries** represented in the proposal, not otherwise receiving funds from projects higher up the ranking list (and if equal in number, then by budget).
5. Consideration of other factors related to the objectives of the call, or to Horizon Europe in general as for example, enhancing the quality of the project portfolio through synergies between projects or, where relevant and feasible, involving SMEs.

Your reference is both the [Work Programme call text](#) and the [General Annexes](#)

Looking for a consortium?



MINISTERIO
DE CIENCIA, INNOVACIÓN
Y UNIVERSIDADES



Looking for a consortium?



GREENET Partner Search Tool

An online database that manages Cluster 5 networking opportunities.

The GREENET Partner Search Tool brings together organisations (Coordinators as well as partners) from across the world. This is a unique opportunity to generate new contacts and collaborate on potential Horizon Europe projects. Meetings will take place in a dedicated area and will be arranged in advance by means of this website throughout the whole year (2025).

TOPICS LISTED FOR 2025 ARE TO BE FOUND ON THE PRE-PUBLICATION OF THE 2025 WORK PROGRAMME

The second purpose of the Greenet platform is online events. Stay updated with our online events by checking out the "Events" tab.

The GREENET Partner Search Tool will remain active for the whole of Horizon Europe, up till the end of December 2027.

You may also register for the **EU Missions partner search tool** which is managed by the **NCP4MISSIONS**. We suggest you follow and register on this platform for everything related to the EU Missions and the NEB destination.

Areas of intervention

<https://greenet-partner-search-tool.b2match.io/>

GREENET NCP

PARTNER SEARCH

<https://horizoneuropencpportal.eu/ncp-networks/cluster-5/greenet-partner-search-tool>

Cluster 5. Climate, energy and Mobility. WP 2026 / 2027

		Budget (million €)	Nº Topics
Destination 1 – Clim. science resp. for the transf. towards climate neutrality		250	13
Destination 2 - Cross-sectoral Solutions for the Climate Transition		275.3	8
	Batteries	275.3	8
Destination 3 - Sustainable, Secure and Competitive Energy Supply		760	32
Destination 4 - Efficient, Sustainable and Inclusive Energy Use		169	9
Destination 5 - Clean and Competitive Solutions for All Transport Modes		296.5	20
	2ZERO	145.5	6
	Aviation	20	3
	Transport-related health and environment	14.5	2
	Waterborne transport	116.5	9
Destination 6 - Safe, Resilient Transport and Smart Mobility Services for P & G		200	12
	CCAM	126.5	5
	Multimodal transport, infrastructure and logistics	45	3
	Safety and resilience	27	3
	Transport - cross-cutting	1.6	1
Total general		2,219	149



Cluster 5. Climate, energy and Mobility. **BATERIAS**

Topic	Topic/action title	ToA	Deadl.	Budg.	Nº grants
HORIZON-CL5-2026-03-D2-02	Development of direct recycling processes (BATT4EU Partnership)	RIA	31/03/2026	14.200.000	3
HORIZON-CL5-2026-09-D2-01	Producing battery-grade materials for electrodes through sustainable processing and refining of raw materials or developing bio-based materials (BATT4EU Partnership)	RIA	15/09/2026	28.300.000	4
HORIZON-CL5-2026-09-D2-04	Coordinated topic with India on recycling of EV batteries	IA	15/09/2026	9.400.000	1
HORIZON-CL5-2026-10-D2-03	Integrated Production and Product Development for Next-Generation Lithium-based Batteries for Mobility (BATT4EU and Made in Europe Partnerships)	IA	08/10/2026	100.000.000	3
HORIZON-CL5-2027-02-D2-05	Improvement of Adaptability, Flexibility and Efficiency of Existing Recycling Processes (BATT4EU Partnership)	IA	31/03/2027	18.800.000	2
HORIZON-CL5-2027-02-D2-06	Sustainable and Competitive Cell Production Techniques for Lithium-ion And Sodium-ion Batteries (BATT4EU Partnership)	IA	31/03/2027	37.800.000	2
HORIZON-CL5-2027-04-Two-Stage-D2-07	Novel approaches towards next-generation battery concepts , leveraging the enabling role of innovative advanced materials (BATT4EU and IAM4EU Partnerships)	RIA	07/10/2027	48.000.000	10
HORIZON-CL5-2027-05-D2-08	Demonstration for Long-duration Battery Energy Storage Systems (BATT4EU Partnership)	A	15/09/2027	18.800.000	2



Cluster 5. Climate, energy and Mobility. 2ZERO, Aviat., H & Env

Topic	Topic/action title	ToA	Deadl.	Budg.	Nº grants	
HORIZON-CL5-2026-05-D5-01	Large-scale demonstration of Heavy-Duty Vehicles (HD BEV) towards long-haul logistics operations (2ZERO Partnership)	Battery Electric	IA	14/04/2026	68.000.000	2
HORIZON-CL5-2026-05-D5-02	Energy-efficient software-defined EVs (2ZERO Partnership)	EVs (2ZERO Partnership)	IA	14/04/2026	16.000.000	1
HORIZON-CL5-2027-03-D5-03	Data-driven circular economy for e-mobility ecosystem (2ZERO Partnership)	ecosystem (2ZERO Partnership)	IA	14/04/2027	24.000.000	4
HORIZON-CL5-2027-03-D5-04	Demonstration of zero emission coaches and buses in long distance operations (2ZERO Partnership)	coaches and buses in long distance operations (2ZERO Partnership)	IA	14/04/2027	13.500.000	1
HORIZON-CL5-2027-03-D5-05	Higher Voltage, Megawatt Charging System compatible, modular powertrain for Heavy Duty Vehicles (HDV) (2ZERO Partnership)	powertrain for Heavy Duty Vehicles (HDV) (2ZERO Partnership)	IA	14/04/2027	16.000.000	2
HORIZON-CL5-2027-03-D5-06	Fire prevention and mitigation for EVs in confined areas (2ZERO Partnership)	confined areas (2ZERO Partnership)	IA	14/04/2027	8.000.000	1
HORIZON-CL5-2026-05-D5-07	AI-assisted digital aircraft design , manufacturing and MRO, towards a competitive aviation	manufacturing and MRO, towards a competitive aviation	RIA	14/04/2026	10.000.000	2
HORIZON-CL5-2027-03-D5-08	Sustainable aircraft circular design and additive manufacturing, towards a climate neutral aviation	additive manufacturing, towards a climate neutral aviation	RIA	14/04/2027	5.000.000	2
HORIZON-CL5-2027-04-Two-Stage-D5-09	Noise reduction breakthroughs for new ultraefficient aircraft	ultraefficient aircraft	RIA	07/10/2027	5.000.000	2
HORIZON-CL5-2026-06-Two-Stage-D5-19	Non-exhaust emissions in road and railway transport	road and railway transport	RIA	08/10/2026	7.500.000	2
HORIZON-CL5-2027-03-D5-20	Assessing the effect of airport operations on air quality and noise in nearby communities	air quality and noise in nearby communities	IA	14/04/2027	7.000.000	2

Cluster 5. Climate, energy and Mobility. **Waterborne**

Topic	Topic/action title	ToA	Deadl.	Budg.	Nº grants
HORIZON-CL5-2026-06-Two-Stage-D5-10	Disruptive Technologies and Innovative Concepts for Energy Saving Onboard of long-distance ships (ZEWWT Partnership)	RIA	08/10/2026	15.000.000	3
HORIZON-CL5-2027-03-D5-14	Onboard renewable energy solutions and energy saving measures to reduce the fuel consumption of ships by at least 55% (ZEWWT Partnership)	IA	14/04/2027	6.500.000	1
HORIZON-CL5-2027-03-D5-15	Prospective evaluation of nuclear power potential for shipping (ZEWWT Partnership)	CSA	14/04/2027	2.000.000	1
HORIZON-CL5-2027-03-D5-16	Autonomous vessels in short sea shipping and inland waterways	IA	14/04/2027	15.000.000	2
HORIZON-CL5-2027-03-D5-17	Innovative Solutions for mitigating the environmental impact of waterborne transport in marine and aquatic Ecosystems (ZEWWT Partnership)	RIA	14/04/2027	14.000.000	2
HORIZON-CL5-2027-03-D5-18	Enhanced electric operation and battery durability (ZEWWT Partnership)	IA	14/04/2027	20.000.000	2
HORIZON-CL5-2026-05-D5-12	Shipyards of the future (ZEWWT Partnership)	IA	14/04/2026	21.000.000	2
HORIZON-CL5-2026-05-D5-13	Safety of renewable low and zero-carbon waterborne fuels in port areas : risk assessment, regulatory framework, and guidelines for safe bunkering, handling and storage (ZEWWT partnership)	CSA	14/04/2026	2.000.000	1
HORIZON-CL5-2026-05-D5-11	Ports of the future (ZEWWT Partnership)	IA	14/04/2026	21.000.000	2

Cluster 5. Climate, energy and Mobility. CCAM

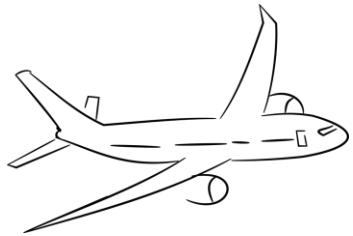
Topic	Topic/action title	ToA	Deadl.	Budg.	Nº grants
HORIZON-CL5-2026-10-D6-01	Flagship-pilot: large-scale demonstrations of CCAM (CCAM Partnership)	IA	08/10/2026	100.000.000	1
HORIZON-CL5-2026-10-D6-02	Geopolitical competition and socioeconomic resilience in CCAM : an innovation and policy roadmap for EU leadership (CCAM Partnership)	RIA	08/10/2026	4.000.000	1
HORIZON-CL5-2026-10-D6-03	Generative AI for smarter CCAM : enhancing perception, decision-making, and validation (CCAM Partnership)	RIA	08/10/2026	13.000.000	2
HORIZON-CL5-2027-06-D6-04	Holistic solutions for CCAM integration in critical scenarios (CCAM Partnership)	RIA	07/10/2027	5.500.000	1
HORIZON-CL5-2027-06-D6-05	European CCAM knowledge hub and tools for safe and scalable deployment (CCAM Partnership)	CSA	07/10/2027	4.000.000	1

Cluster 5. Climate, energy and Mobility. **Multimodal, Safety**

Topic	Topic/action title	ToA	Deadl.	Budg.	Nº grants
HORIZON-CL5-2026-10-D6-06	Increasing competitiveness and resilience of multimodal freight transport and logistics for competitive supply chains	IA	08/10/2026	20.000.000	3
HORIZON-CL5-2026-10-D6-07	Supporting sustainable and smart urban mobility in Europe (CIVITAS)	CSA	08/10/2026	4.000.000	1
HORIZON-CL5-2027-06-D6-08	Enhancing Mobility for All: affordable, reliable, and accessible multimodal transport for inclusive rural and urban connectivity – Societal Readiness pilot	IA	07/10/2027	21.000.000	3
HORIZON-CL5-2026-10-D6-09	Road Safety and resilience of rural areas	IA	08/10/2026	12.000.000	2
HORIZON-CL5-2026-10-D6-10	Enhanced resilience in multimodal passenger transport through digital technologies and generative and discriminative AI	IA	08/10/2026	10.000.000	2
HORIZON-CL5-2027-06-D6-11	Enhancing Resilience and Accuracy in Positioning, Navigation, and Timing (PNT) Systems and e-conspicuity solutions	IA	07/10/2027	5.000.000	1
HORIZON-CL5-2027-06-D6-12	Support for dissemination events in the field of Transport Research	CSA	07/10/2027	1.600.000	1

Cluster 5: Climate, Energy and Mobility

Institutional Partnerships: Mobility



Clean Aviation



SESAR3



Europe's rail

Other opportunities

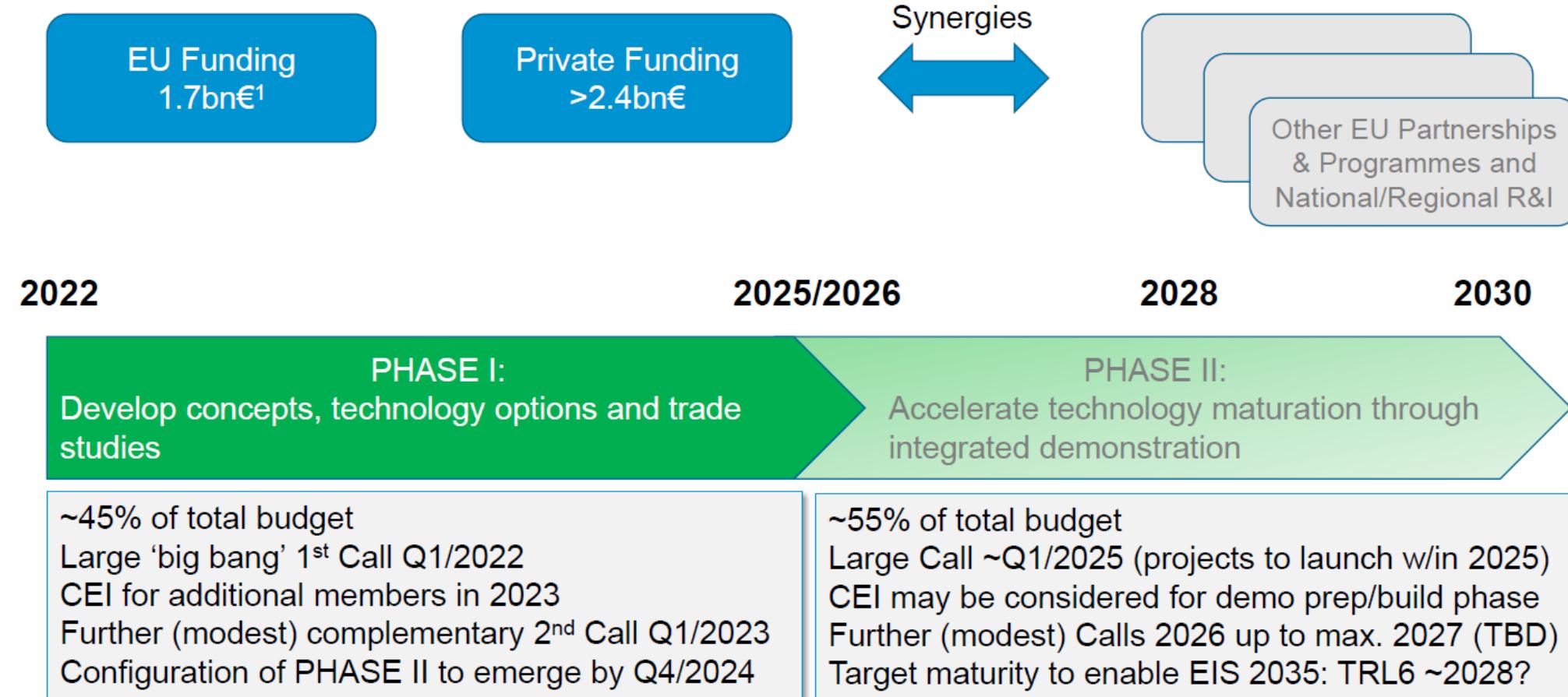
Clean hydrogen
(institutionalised
Partnership)



MINISTERIO
DE CIENCIA, INNOVACIÓN
Y UNIVERSIDADES



THE PROGRAMME SETUP IN A NUTSHELL



¹ Revision possible in case of additional associations to Horizon Europe

CALL 4 TIMELINE - KEY DATES

Planning	Target Dates
Call Open	17/02/2026
Call Close	19/05/2026
Evaluation incl. Individual Reading & Scoring, Consensus Meetings, Hearings	June-July 2026
Q&A	????
GAPs signature & Pre-financing	Mid-December 2026
Start of Activities	As from January 2027



GOBIERNO
DE ESPAÑA

MINISTERIO
DE CIENCIA, INNOVACIÓN
Y UNIVERSIDADES



CALL 4: 329,5 M€

 SHORT-MEDIUM RANGE	H₂ HYDROGEN-POWERED AIRCRAFT
<ul style="list-style-type: none">• Demonstration of an Optimized System Platform for Ultra-efficient SMR Aircraft• Demonstration of an Ultra-Efficient Rear Fuselage and Empennage and Its Integrated Industrial System enabling EIS2035 for the SMR Aircraft• Ground Demonstration of Hybrid-Electric Propulsion Architectures for the Ultra-efficient SMR aircraft	<ul style="list-style-type: none">• Demonstration of advanced FC propulsion technobricks for the fully electric hydrogen fuel cell aircraft concept• Demonstration of an integrated hydrogen fuel system for a fully electric hydrogen fuel cell powered aircraft• Demonstration of an advanced Low NOx H2C Propulsion System for the direct hydrogen combustion aircraft concept• Demonstration of a hydrogen distribution system for a direct hydrogen combustion propulsion aircraft
€ 130 M	€ 101 M
 REGIONAL	
<ul style="list-style-type: none">• Demonstration of an advanced airframe for ultra-efficient regional aircraft	
€ 40 M	

Large Size Topics

- **Eligibility condition:** minimum of **15%** of funding allocation* of the proposed budget to RTOs/UNIs/SMEs (as BEN status) – will be part of the admissibility & eligibility check
- **Call condition:** requirement to demonstrate in the proposal to foster competitiveness and support the development of a truly European industrial ecosystem as well as to foster a wider participation of EU MS and AC in the projects – will be part of the evaluation (new evaluation sub-criterion)



MINISTERIO
DE CIENCIA, INNOVACIÓN
Y UNIVERSIDADES



CALL 4: 329,5 M€



FAST TRACK AREAS

- Demonstration of **low power Ice Protection System** technology
- Demonstration of **cabin acoustic optimization** technology
- **Advanced noise-reducing technologies** for propulsion systems of next generation Ultra-efficient SMR aircraft
- **Key Technologies for Loads Control Lidar** for Ultra-efficient SMR aircraft
- **Cryo-cooled power electronics** for a fully electric hydrogen powered aircraft
- **Superconducting motor windings** for a fully electric hydrogen fuel cell powered aircraft
- Innovative light weight and reliable **liquid hydrogen tank**

€ 40 M



TRANSVERSE ACTIVITIES

- **Hydrogen powered aircraft concept** and key technologies integration and impact assessment
- Demonstration and Validation of **icing Certification Methodologies** compatible with EIS2035 for the SMR and REG Aircraft
- **Operational stakeholders' group** to support the deployment of Clean Aviation aircraft concepts and technologies

€ 18.5 M



GOBIERNO
DE ESPAÑA

MINISTERIO
DE CIENCIA, INNOVACIÓN
Y UNIVERSIDADES



Call 4 topic identifier	Topic title	EU Funding (M€)	Expected n of projects
Transverse activities		18.5	
HORIZON-JU-CLEAN-AVIATION-2026-04-ACI-01	Hydrogen powered aircraft concept and key technologies integration and impact assessment	6	up to 2
HORIZON-JU-CLEAN-AVIATION-2026-04-TRA-01	Demonstration and Validation of icing Certification Methodologies compatible with EIS2035 for the SMR and REG Aircraft	12	up to 1
HORIZON-JU-CLEAN-AVIATION-2026-04-CSA-01	Operational stakeholders' group to support the deployment of Clean Aviation aircraft concepts and technologies	0.5	up to 1
FTA: 7 Topics (see next slide)		40	
HPA		101	
HORIZON-JU-CLEAN-AVIATION-2026-04-HPA-01 (IA)	Demonstration of advanced FC propulsion techno-bricks for the fully electric hydrogen fuel cell aircraft concept	50	up to 1
HORIZON-JU-CLEAN-AVIATION-2026-04-HPA-02 (IA)	Demonstration of an integrated hydrogen fuel system for a fully electric hydrogen fuel cell powered aircraft	18	up to 1
HORIZON-JU-CLEAN-AVIATION-2026-04-HPA-03 (IA)	Demonstration of Advanced Low NOx H2C Propulsion System for the direct hydrogen combustion aircraft concept	15	up to 1
HORIZON-JU-CLEAN-AVIATION-2026-04-HPA-04 (IA)	Demonstration of a hydrogen distribution system for a direct hydrogen combustion propulsion aircraft	18	up to 1
SMR		130	
HORIZON-JU-CLEAN-AVIATION-2026-04-SMR-01 (IA)	Demonstration of an Optimized System Platform for Ultra-efficient SMR Aircraft	30	up to 1
HORIZON-JU-CLEAN-AVIATION- 2026-04-SMR-02 (IA)	Demonstration of an Ultra-Efficient Rear Fuselage and Empennage and Its Integrated Industrial System enabling EIS2035 for the SMR Aircraft	40	up to 1
HORIZON-JU-CLEAN-AVIATION- 2026-04-SMR-03 (IA)	Ground Demonstration of Hybrid-Electric Propulsion Architectures for the Ultra-efficient SMR aircraft	60	up to 3
REG		40	
HORIZON-JU-CLEAN-AVIATION-2026-04-REG-01 (IA)	Demonstration of advanced airframe for ultra-efficient regional aircraft	40	up to 1
Grand Total			Up to 18 topics 22 projects



GOBIERNO
DE ESPAÑA

MINISTERIO
DE CIENCIAS, INNOVACIÓN
Y UNIVERSIDADES

CDTI
INNOVACIÓN

Call 4 topic identifier	Topic title	EU Funding (M€)	Expected n of projects
Fast-track activities (RIA)			
HORIZON-JU-CLEAN-AVIATION-2026-04-FTA-01	Demonstration of low power Ice Protection System technology	5	1 project
HORIZON-JU-CLEAN-AVIATION-2026-04-FTA-02	Demonstration of cabin acoustic optimization technology	5	1 project
HORIZON-JU-CLEAN-AVIATION-2026-04-FTA-03	Advanced noise-reducing technologies for propulsion systems of next generation Ultra-efficient SMR aircraft	5	1 project
HORIZON-JU-CLEAN-AVIATION-2026-04-FTA-04	Key Technologies for Loads Control Lidar for Ultra-efficient SMR aircraft	5	1 project
HORIZON-JU-CLEAN-AVIATION-2026-04-FTA-05	Cryo-cooled power electronics for a fully electric hydrogen powered aircraft	5	1 project
HORIZON-JU-CLEAN-AVIATION-2026-04-FTA-06	Superconducting motor windings for a fully electric hydrogen fuel cell powered aircraft	5	1 project
HORIZON-JU-CLEAN-AVIATION-2026-04-FTA-07	Innovative light weight and reliable liquid hydrogen tank	5	1 project
Grand Total		40 (incl reserve)	



MINISTERIO
DE CIENCIA, INNOVACIÓN
Y UNIVERSIDADES



Important events

Call 4 - Matchmaking & Pitching Event

13 Feb 2026, Brussels

CALL 4 MAIN INFO DAY (Online event)

18 February

Spanish Infoday call 4 (ONSITE event)

19 February – Madrid



MINISTERIO
DE CIENCIA, INNOVACIÓN
Y UNIVERSIDADES



SESAR 3 JU a new instrument to implement the vision



Accelerate through research & innovation the delivery of an inclusive, resilient & sustainable Digital European Sky



50+ founding members representing entire aviation value chain (incl. new entrants)



- Horizon Europe - EUR 600 million
- Eurocontrol – up to EUR 500 million (in-kind & financial contributions)
- Industry - EUR 500 million minimum (in-kind & financial contributions)

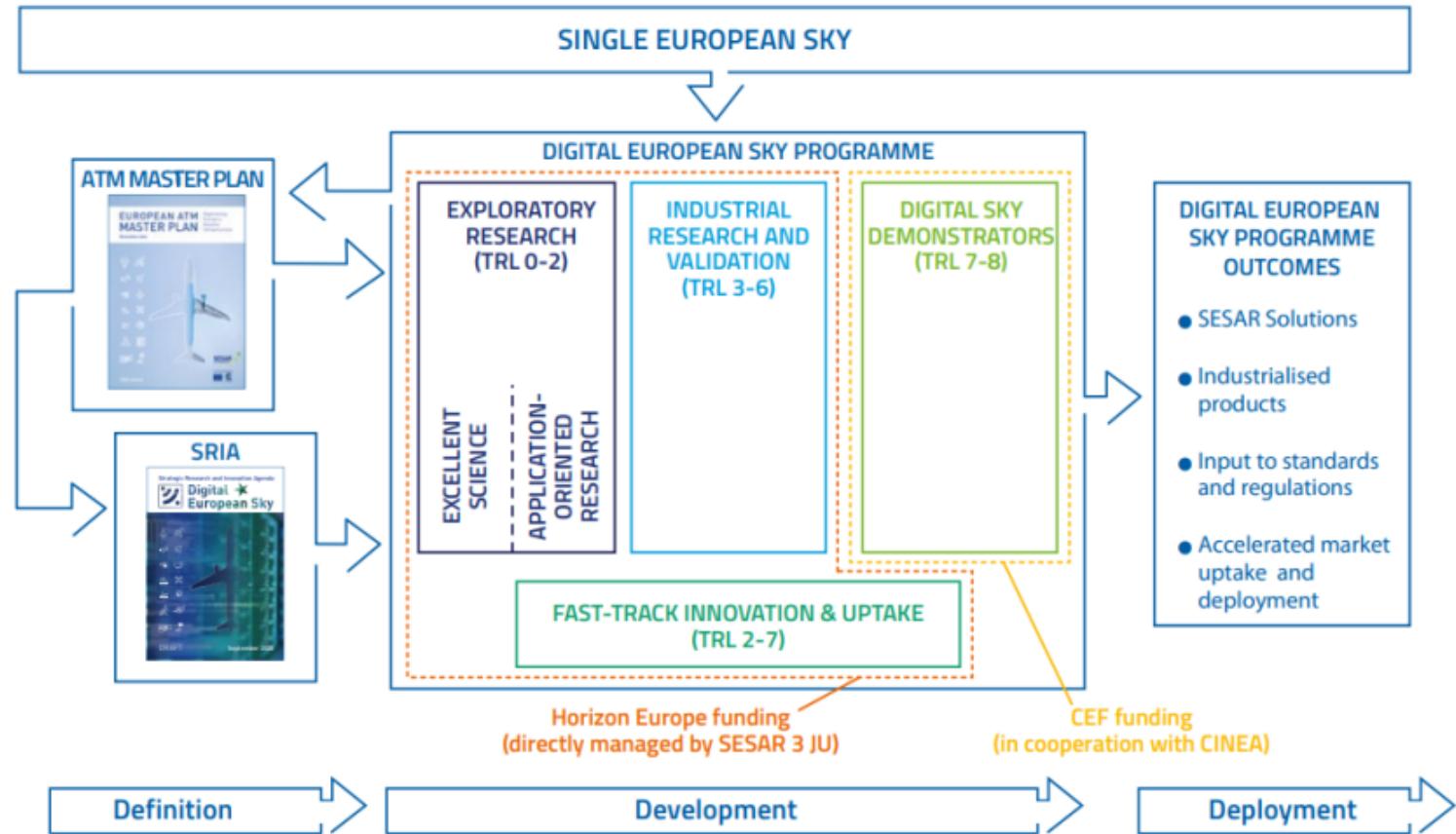
Additional funds via Connecting Europe Facility (in coordination with CINEA) to the value of at least EUR 200 million.

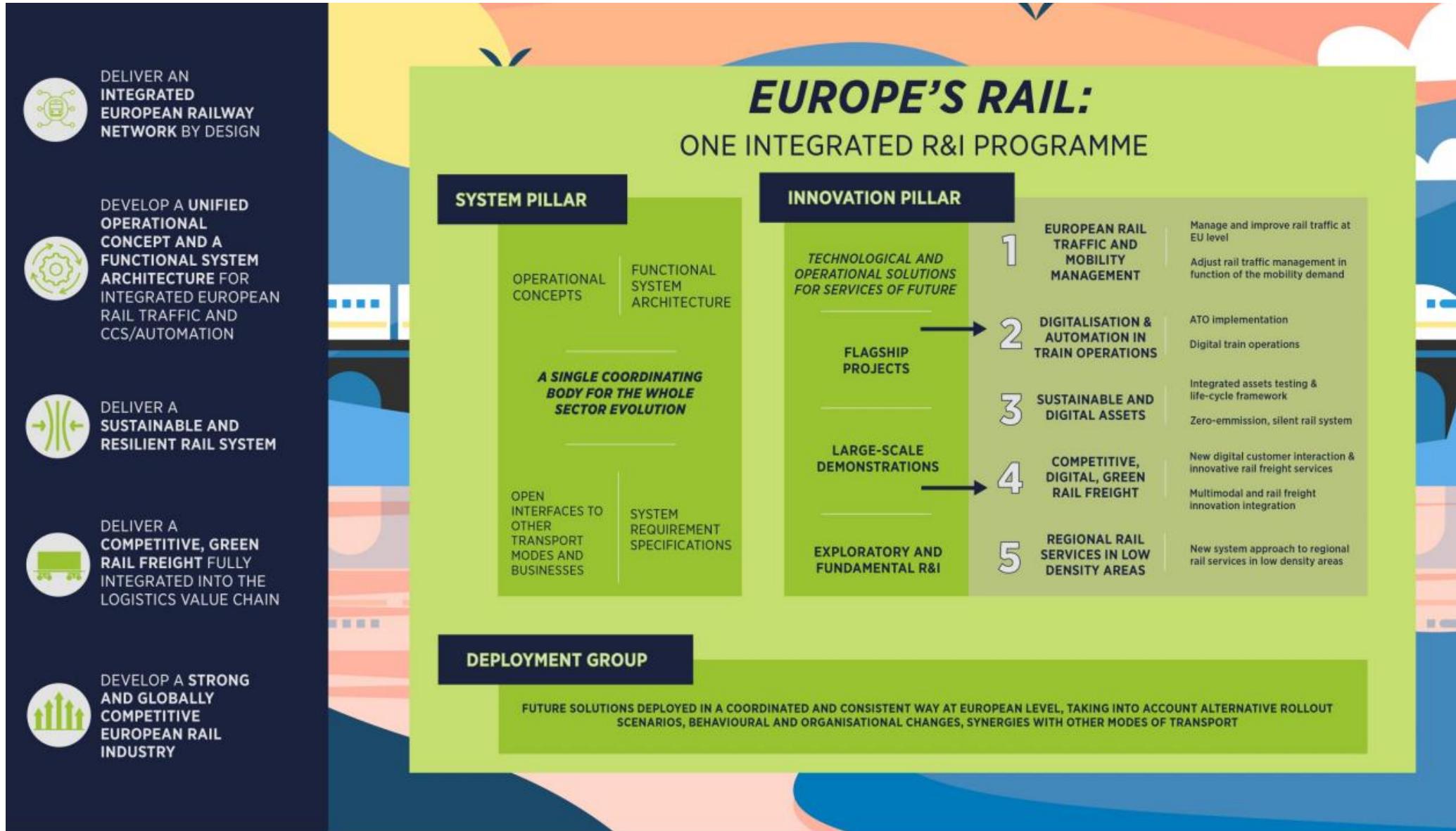


5

Connected to policy and regulation

The SESAR 3 JU innovation pipeline is part of the broader SESAR project (covering definition) and of the Single European Sky initiative





Help for ES entities. Cluster 5. Climate, energy and mobility



Climate.

Lydia González, lydia.gonzalez@cdti.es

Juan Carlos García, juancarlos.garcia@cdti.es

@LydiaGlezF_CDTI

@JCGarcia_CDTI

Energy.

@HE_Energia_CDTI

María Luisa Revilla, luisa.revilla@cdti.es (misión ciudades)

Cristina Garrido, cristina.garrido@cdti.es

Mobility.

@HE_Movil_CDTI

Juan Francisco Reyes, juanfrancisco.reyes@cdti.es (aeronáutica/aviación)

Julio Dolado, julio.dolado@cdti.es (resto áreas movilidad, baterías)



(común): 91.581.55.62

+ H. Europe Clusters

https://www.horizonteeuropa.es/listado-ncps?field_clasificacion_target_id=116