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H. Europe. Cluster 5. Movilidad

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18 de junio de 2025

Policies

Horizon Europe.

Horizon Europe. Cluster 5. **Estructura**

Horizon Europe. Cluster 5. **Movilidad. WP 2025**

Topics

Novedades

EU Automotive Action Plan

Cluster 5. Work Programme. 2026/7.

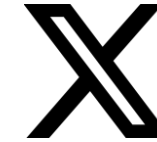
Apoyo. Cluster 5. Movilidad



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MINISTERIO
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Libro Blanco de Transporte 2011

Roadmap to a Single European Transport Area: Towards a competitive and resource efficient transport system

40 concrete initiatives for the next decade to build a competitive transport system that will **increase mobility, remove major barriers** in key areas and **fuel growth** and employment.



By **2050, key goals** will include:

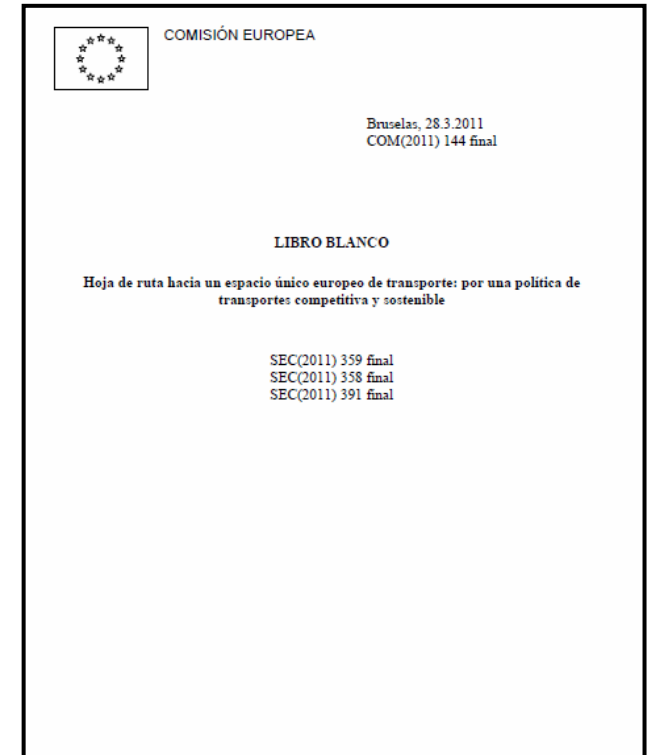
60% reduction in CO2 emissions (against 1990 baseline)

zero fatalities on the road network

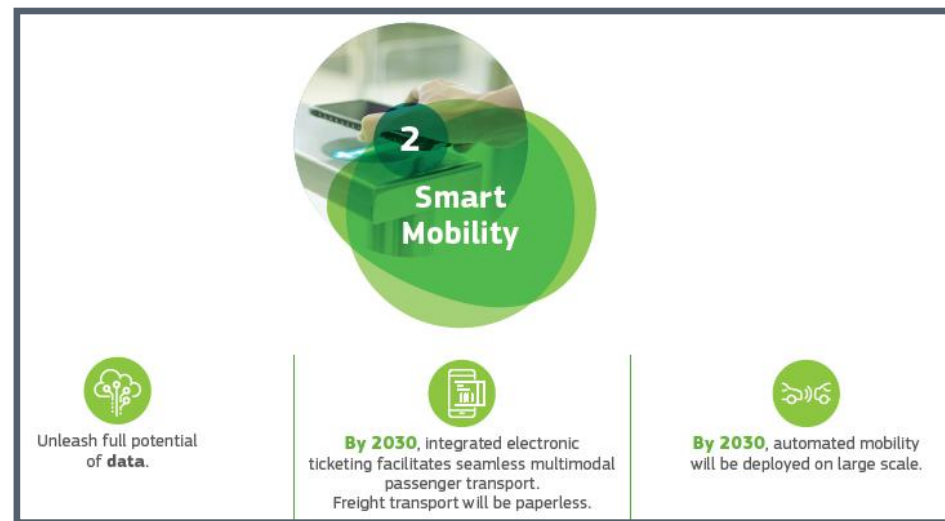
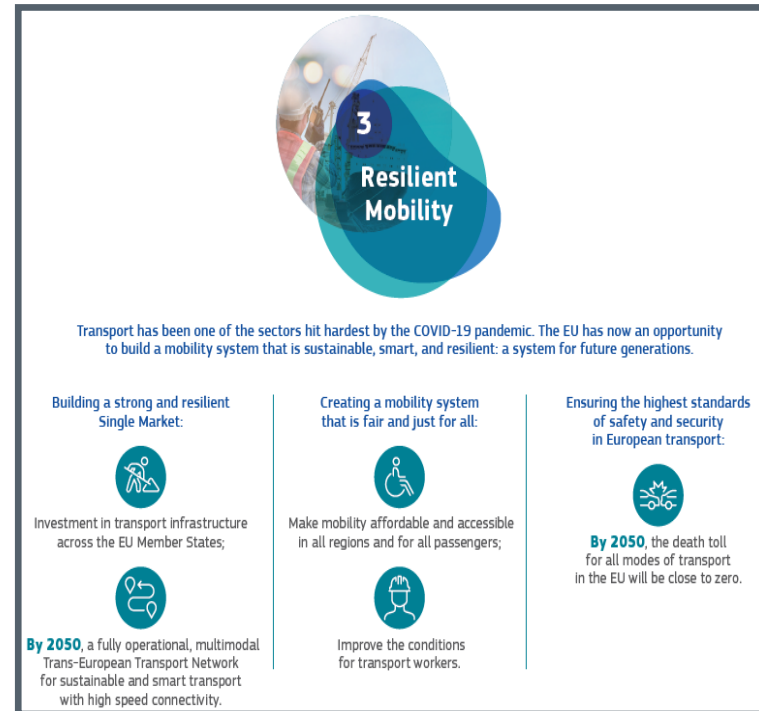
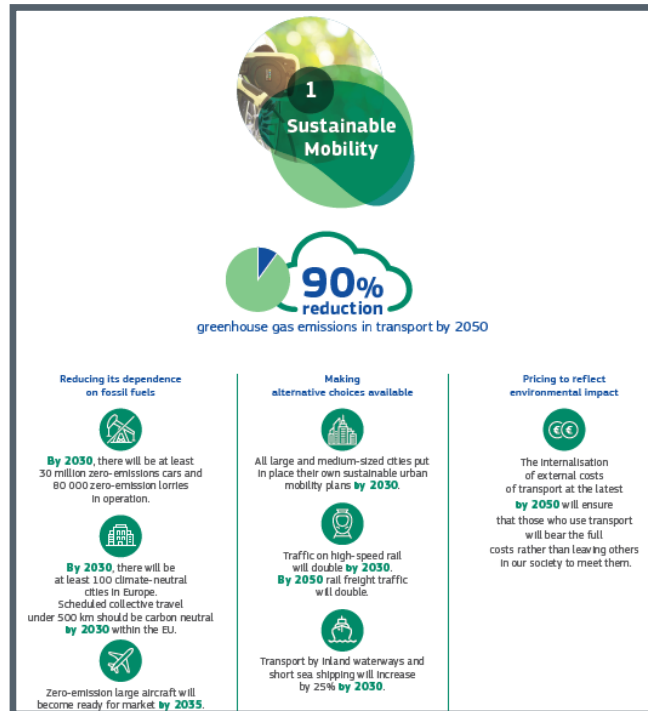
50% shift in medium distance inter-city passenger trips from road to rail

50% of freight tonne-kms > 300k from road to rail and water

emission-free city logistics

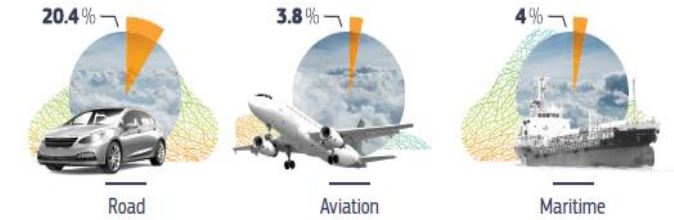


2020 S&S Mob. Strategy / Fit for 55



TRANSPORT NEEDS TO CUT EMISSIONS BY 90% BY 2050

Share of total EU Greenhouse Gas (GHG) emissions, per mode



TRANSPORT AND THE EMISSIONS TRADING SYSTEM (ETS): PUTTING A PRICE ON CARBON

Road

- Extension of the ETS to road transport and building fuels from 2026;
- Focus on upstream fuel suppliers (rather than households and car drivers);
- Revenues to be channelled to support vulnerable households and investments in cleaner mobility.

Aviation

- Tighter cap on the number of allowances for intra-EU flights, starting from current levels and reduced by 4.2% annually;
- Full phase-out of free allowances by 2026;
- Extra-European flights to be subject to offsetting under the international CORSIA scheme.

Maritime

- Gradual extension of the ETS to maritime starting in 2023, with a 3-year phase in period;
- Focus on large ships (above 5000 gross tonnage) accounting for 90% of CO₂ emissions;
- Intra-EU traffic and 50% of extra-EU voyages covered by the scheme]

CLEANER ROAD TRANSPORT

More ambitious CO₂ emissions standards for new cars and vans to help grow the number of zero- and low-emission vehicles on European roads.

Binding requirements for the rollout of public charging and hydrogen refuelling stations for cars, vans and trucks.



Public charging and hydrogen refuelling stations will be widely available, interoperable and easy to use, including at fixed intervals along Europe's major transport corridors

National fleet based targets for charging stations for cars and vans – those could lead to approximately*:



*According to Commission Impact Assessment of vehicle uptake following the 'Fit for 55' proposals and assuming an average power output of approx. 15 kW per recharging station



Ursula Von der Leyen

https://commission.europa.eu/about/commission-2024-2029/president-elect-ursula-von-der-leyen_en



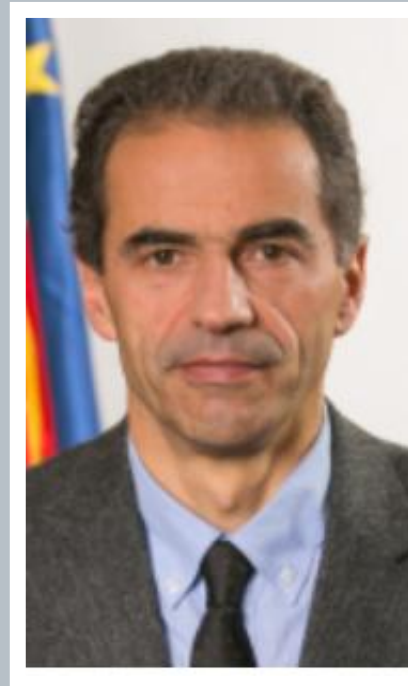
Enrique Letta Report

https://single-market-economy.ec.europa.eu/news/enrico-lettas-report-future-single-market-2024-04-10_en



Mario Draghi Report

https://commission.europa.eu/topics/strengthening-european-competitiveness/eu-competitiveness-looking-ahead_en



Manuel Heitor

<https://op.europa.eu/en/publication-detail/-/publication/2f9fc221-86bb-11ef-a67d-01aa75ed71a1/language-en>

Algunas
referencias

A Competitiveness Compass for the EU

January 2025



The Competitiveness Compass establishes competitiveness as one of the EU's overarching principles for action. Europe can only match its continent-sized competitors if EU and national policies are aligned around the same objectives and reinforce each other.

The Compass is composed of **three transformational imperatives to boost competitiveness** and five **horizontal enablers** necessary to underpin competitiveness across all sectors.

COMPETITIVENESS COMPASS



Flagship Actions Pillar 1

- | | | |
|---|--|---|
| <ul style="list-style-type: none">• Start-up and Scale-up Strategy• 28th regime• European Innovation Act• European Research Area Act• AI Factories Initiative, Apply AI, AI in Science, and Data Union Strategies | <ul style="list-style-type: none">• EU Cloud and AI Development Act• EU Quantum Strategy and a Quantum Act• European Biotech Act and Bioeconomy Strategy• Life Sciences Strategy• Advanced Materials Act | <ul style="list-style-type: none">• Space Act• Review of the Horizontal Merger Control Guidelines• Digital Networks Act |
|---|--|---|

Flagship Actions Pillar 2

- | | | |
|--|--|--|
| <ul style="list-style-type: none">• Clean Industrial Deal and an Action Plan on Affordable Energy• Industrial Decarbonisation Accelerator Act• Electrification Action Plan and European Grids Package• New State Aid Framework• Steel and metals action plan | <ul style="list-style-type: none">• Chemicals industry package• Strategic dialogue on the future of the European automotive industry and Industrial Action Plan• Sustainable Transport Investment Plan• European Port Strategy and Industrial Maritime Strategy | <ul style="list-style-type: none">• High Speed Rail Plan• Carbon Border Adjustment Mechanism Review• Circular Economy Act• Vision for Agriculture and Food• Oceans Pact• Amendment of the Climate Law |
|--|--|--|

Flagship Actions Pillar 3

- | | | |
|---|--|--|
| <ul style="list-style-type: none">• Conclude and implement ambitious trade agreements, Clean Trade and Investment Partnerships• Trans-Mediterranean Energy and Clean Tech Cooperation initiative• Joint purchasing platform for Critical Raw Minerals | <ul style="list-style-type: none">• Revision of directives on Public Procurement• White Paper on the Future of European Defence• Preparedness Union Strategy• Internal Security Strategy• Critical Medicines Act | <ul style="list-style-type: none">• European Climate Adaptation Plan• Water Resilience Strategy |
|---|--|--|

A Competitiveness Compass for the EU

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COMPETITIVENESS COMPASS



Flagship Actions Pillar 1

- Start-up and Scale-up Strategy
- 28th regime
- European Innovation Act
- European Research Area Act
- AI Factories Initiative, Apply AI, AI in Science, and Data Union Strategies
- EU Cloud and AI Development Act
- EU Quantum Strategy and a Quantum Act
- European Biotech Act and Bioeconomy Strategy
- Life Sciences Strategy
- Advanced Materials Act
- Space Act
- Review of the Horizontal Merger Control Guidelines
- Digital Networks Act

Flagship Actions Pillar 2

- Clean Industrial Deal and an Action Plan on Affordable Energy
- Industrial Decarbonisation Accelerator Act
- Electrification Action Plan and European Grids Package
- New State Aid Framework
- Steel and metals action plan
- Chemicals industry package
- Strategic dialogue on the future of the European automotive industry and Industrial Action Plan
- Sustainable Transport Investment Plan
- European Port Strategy and Industrial Maritime Strategy
- High Speed Rail Plan
- Carbon Border Adjustment Mechanism Review
- Circular Economy Act
- Vision for Agriculture and Food
- Oceans Pact
- Amendment of the Climate Law

Flagship Actions Pillar 3

- Conclude and implement ambitious trade agreements, Clean Trade and Investment Partnerships
- Trans-Mediterranean Energy and Clean Tech Cooperation initiative
- Joint purchasing platform for Critical Raw Minerals
- Revision of directives on Public Procurement
- White Paper on the Future of European Defence
- Preparedness Union Strategy
- Internal Security Strategy
- Critical Medicines Act
- European Climate Adaptation Plan
- Water Resilience Strategy

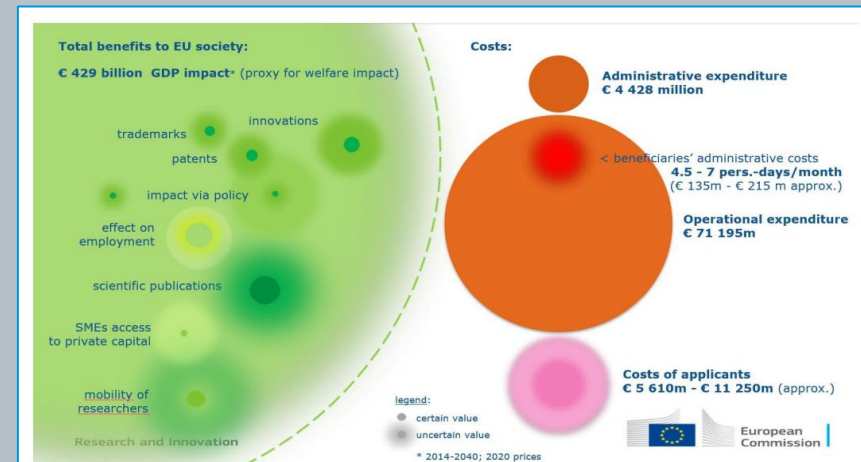
Comunicación

Staff Working Document

Annex 1 – 10: Generales (metodología, leverage, etc)

Annex 11 – 29: Partnerships

For every euro invested Horizon Europe generates up to
€11 in economic gains



Coste preparación propuesta (estimado)

36 to 45 person-days on a proposal, in addition to the 16 to 25 person-days typically spent by consortium partners.
It corresponds to an average cost per proposal of EUR 21 000 to EUR 32 000, compared with an estimate of EUR 18 000 to EUR 37 000 under Horizon 2020. Our level of confidence in the Horizon Europe estimate is higher than in that of the Horizon 2020 final evaluation.

Figure 14: Comparison of estimates of total costs of applicants (Horizon Europe and Horizon 2020)



Source: Internal analysis, Horizon Europe estimate based on survey to beneficiaries and applicants conducted May-June 2023 and CORDA data (6.1.2023). Horizon 2020 estimate: Horizon 2020 final evaluation (COM(2024) 49 final).

...beneficio y para los beneficiarios

+ 20% empleo
+ 30 % ingresos

The counterfactual results suggest that firms receiving H2020 grants increased on average their employment level by about 20% (compared to non-funded firms) and their total assets and revenues by about 30% in the years following the receipt of the first grant (Figure 6).

Horizon Europe.

SPECIFIC PROGRAMME IMPLEMENTING HORIZON EUROPE & EIT*

Exclusive focus on civil applications



Pillar I EXCELLENT SCIENCE

European Research Council

Marie Skłodowska-Curie

Research Infrastructures



Pillar II GLOBAL CHALLENGES & EUROPEAN INDUSTRIAL COMPETITIVENESS

Clusters

- Health
- Culture, Creativity & Inclusive Society
- Civil Security for Society
- Digital, Industry & Space
- **Climate, Energy & Mobility**
- Food, Bioeconomy, Natural Resources, Agriculture & Environment

Joint Research Centre



Pillar III INNOVATIVE EUROPE

European Innovation Council

European Innovation Ecosystems

European Institute of Innovation & Technology*

WIDENING PARTICIPATION AND STRENGTHENING THE EUROPEAN RESEARCH AREA

Widening participation & spreading excellence

Reforming & Enhancing the European R&I system

General characteristics

Collaboratory R&D Projects

Min **3** independent legal entities from **3** MMSS

Grants:

100% / 70% Direct Cost

+ 25% Indirect cost

Exceptions:

Lump sum,

El proceso solicitud



Límites de páginas (general):

RIAs and IAs type of actions: limit for a full application is 45 pages

RIA / IA: For topics using lump sum funding, the limit is 50 pages

CSAs: limit is 30 pages

CSA: For topics using lump sum funding, the limit is 33 pages

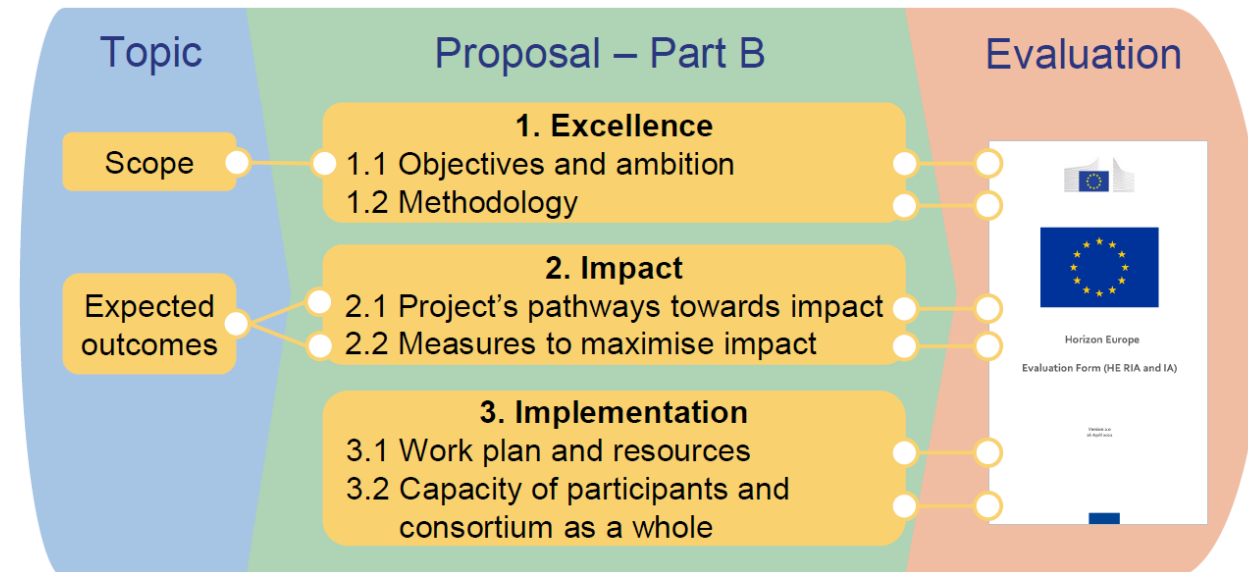
First stage proposals: limit is 10 pages

EIC Pathfinder: limit is 17 pages

Exceptions, if any, would be specified in the call text.

Part A (web-based forms)

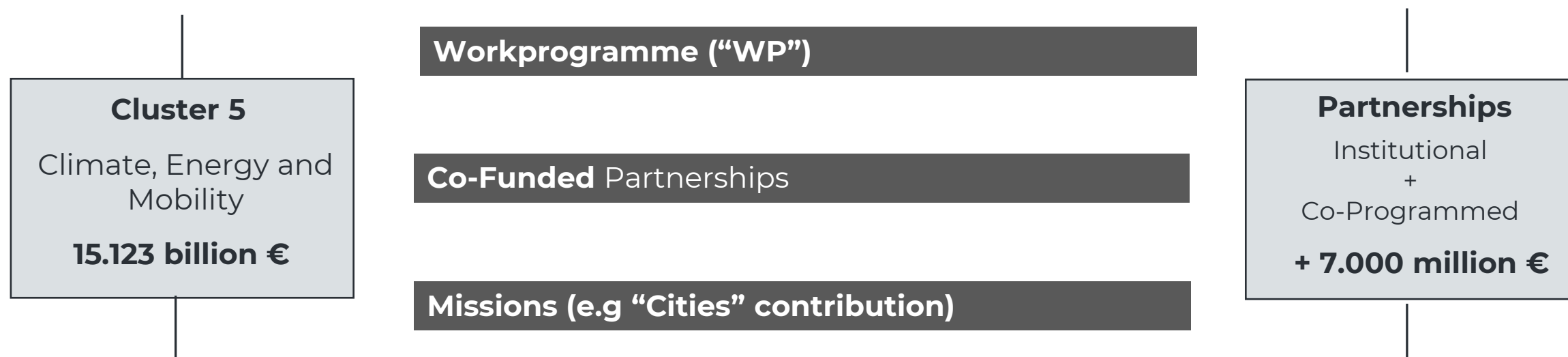
Part B is the narrative part that includes three sections that each correspond to an evaluation criterion. Part B needs to be uploaded as a PDF document following the templates downloaded by the applicants in the submission system for the specific call or topic.



Cluster 5. Climate, energy and Mobility. Partnerships

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

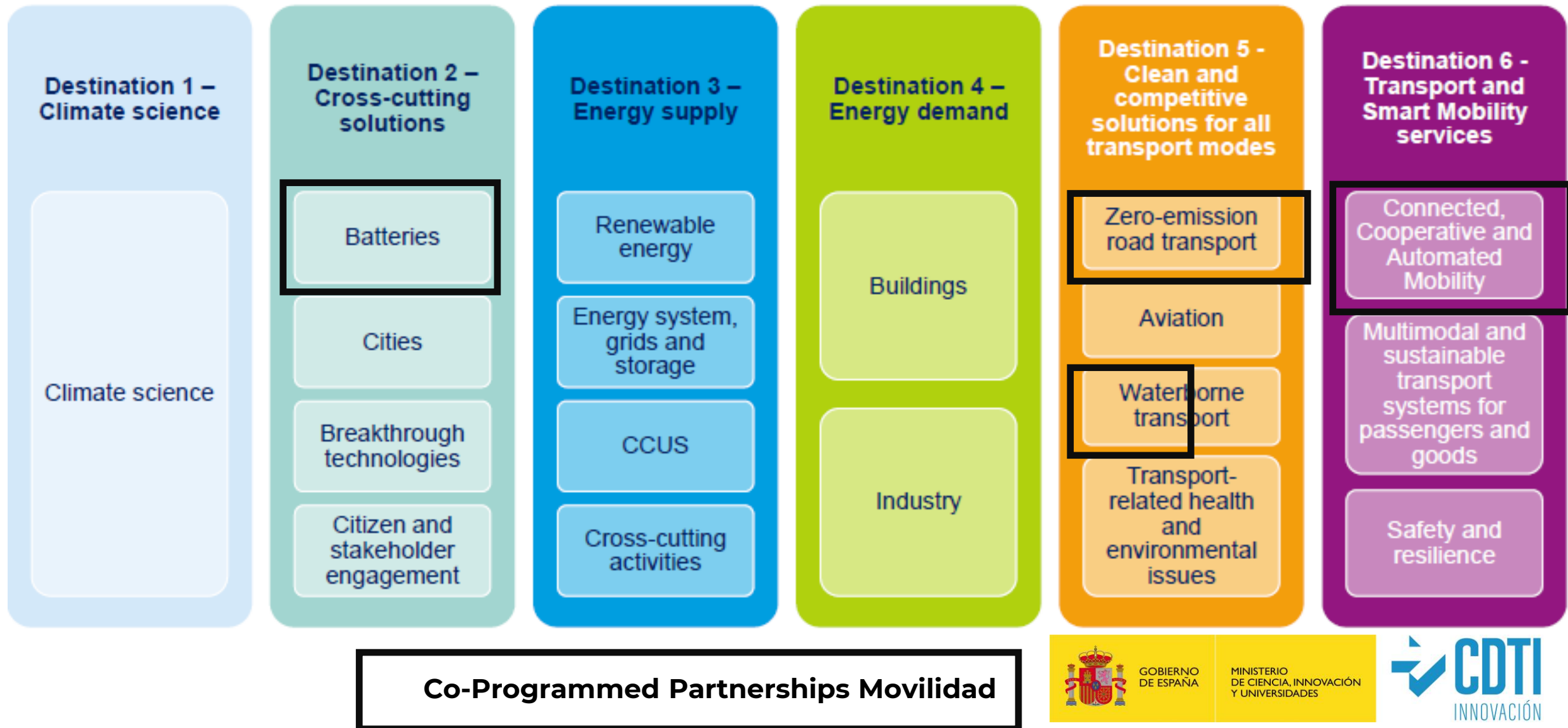
Europe's Rail. **0.6 billion €** (0.45 billion €)
Single European Sky ATM Research **0.6 billion €** (0.58 billion €)
Clean Aviation **1.7 billion €** (1.7 billion € EU)
Clean Hydrogen **1 billion € + 200 million EUR** RePOWEREU (0.66 billion € EU)



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 (ZEWT). **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. 2021 - 2025



Cluster 5. Climate, energy and Mobility. Partnerships

¿Ser o no ser?

Miembro



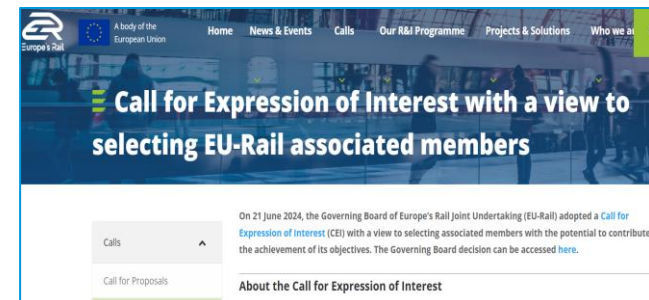
Co-Programmed

Institutional

SRIA. Networking
Siempre abierto. Experiencia, esfuerzo
Fee < Aportación

	H. Europe Budget (Million EUR)	Contributions and activities by the Partners (Million EUR)	Nº miembros (orientativo, May 2025)	Cómo ser miembro
Batt	925	925	251	https://bepassociation.eu/membership/bepa-members/
2ZERO	615	615	107	https://www.2zeroemission.eu/who-we-are/egviafor2zero-membership/
ZEWT	530	3300	154	https://www.waterborne.eu/about/membership
CCAM	500	500	237	https://www.ccam.eu/contact/

SRIA. Networking
Calls. Experiencia ↑ esfuerzo
Gastos admon <<< Aportación (IKOs, IKAAs,...)



Cluster 5. Work Programme. 2025

	Presupuesto (EUR)	Nº Topics
Destination 1 - Climate sciences and responses for the transformation towards climate neutrality	101.500.000	7
Destination 2 - Cross-sectoral Solutions for the Climate Transition	251.500.000	12
Batteries	107.000.000	6
Communities and Cities	56.000.000	1
Destination 2 - Cross-cutting	88.500.000	5
Destination 3 - Sustainable, Secure and Competitive Energy Supply	407.000.000	27
Destination 4 - Efficient, Sustainable and Inclusive Energy Use	84.000.000	6
Destination 5 - Clean and Competitive Solutions for All Transport Modes	162.600.000	19
Aviation	22.000.000	2
Transport - cross-cutting	3.600.000	2
Transport - health and environment	16.000.000	1
Waterborne transport	60.000.000	7
Zero-emission road transport	61.000.000	7
Destination 6 - Safe, Resilient Transport and Smart Mobility Services for Passengers and Goods	136.000.000	15
CCAM	37.500.000	6
Multimodal transport, infrastructure and logistics	66.500.000	5
Safety and resilience	32.000.000	4
Total general	1.142.600.000	86

Cluster 5. Work Programme. 2025

Destination 2 - Cross-sectoral Solutions for the Climate Transition	251.500.000	12
Batteries	107.000.000	6

Topic/action title	Type	Lump sums?	Budget	Call	Opening	Deadline	Exp. Grants
Cost-effective next-generation batteries for long-duration stationary storage (Batt4EU Partnership)	RIA	Lump sums	15.000.000	HORIZON-CL5-2025-01-Two-Stage	06/05/2025	31/03/2026	3
Sustainable processing and refining of raw materials to produce battery grade Li-ion battery materials (Batt4EU Partnership)	IA	Lump sums	20.000.000	HORIZON-CL5-2025-02	06/05/2025	02/09/2025	2
Fostering the European battery ecosystem by providing accurate and up-to-date information and stimulating excellence in the European battery R&I community (Batt4EU Partnership)	CSA	Lump sums	3.000.000	HORIZON-CL5-2025-02	06/05/2025	02/09/2025	1
Development of sustainable and design-to-cost batteries with (energy-) efficient manufacturing processes and based on advanced and safer materials (Batt4EU Partnership)	IA		24.000.000	HORIZON-CL5-2026-01	16/09/2025	20/01/2026	3
Integrating advanced materials, cell design and manufacturing development for high-performance batteries aimed at mobility (Batt4EU Partnership)	RIA		30.000.000	HORIZON-CL5-2026-01	16/09/2025	20/01/2026	3
Accelerated multi-physical and virtual testing for battery aging, reliability, and safety evaluation (Batt4EU Partnership)	IA	Lump sums	15.000.000	HORIZON-CL5-2026-01	16/09/2025	20/01/2026	2

Cluster 5. Work Programme. 2025

Destination 5 - Clean and Competitive Solutions for All Transport Modes	162.600.000	19
Aviation	22.000.000	2
Transport - cross-cutting	3.600.000	2
Transport - health and environment	16.000.000	1

Topic/action title	Type	Lump sums?	Budget	Call	Opening	Deadline	Exp. Grants
Next generation aircraft autonomy technologies for cockpit / pilot assistance applications	RIA	Lump sums	7.000.000	HORIZON-CL5-2025-03-Two-Stage	06/05/2025	14/04/2026	2
Next generation testing capabilities in strategic EU wind tunnels	RIA	Lump sums	15.000.000	HORIZON-CL5-2025-04	06/05/2025	04/09/2025	1
Support to the organisation and dissemination of the Transport Research Arena (TRA) conference	CSA	Lump sums	1.600.000	HORIZON-CL5-2025-04	06/05/2025	04/09/2025	1
Knowledge sharing and dissemination to support road transport R&I in EU and around the world increasing global EU competitiveness	CSA	Lump sums	2.000.000	HORIZON-CL5-2025-04	06/05/2025	04/09/2025	1
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	IA		16.000.000	HORIZON-CL5-2026-01	16/09/2025	20/01/2026	2

Cluster 5. Work Programme. 2025

Destination 5 - Clean and Competitive Solutions for All Transport Modes	162.600.000	19
Waterborne transport	60.000.000	7

Topic/action title	Type	Lump sums?	Budget	Call	Opening	Deadline	Exp. Grants
Innovative solutions for energy conversion and safety of low and zero-carbon fuels in waterborne transport (ZEWT Partnership)	IA		22.500.000	HORIZON-CL5-2025-04	06/05/2025	04/09/2025	2
Demonstration of battery energy storage systems in existing and new vessels via novel energy storage and ship design concepts (ZEWT Partnership)	IA		15.000.000	HORIZON-CL5-2025-04	06/05/2025	04/09/2025	2
Real-time, adaptative and innovative energy management solutions to optimise fuel consumption and lower emissions pollutants in waterborne transport (ZEWT Partnership)	RIA	Lump sums	4.000.000	HORIZON-CL5-2025-04	06/05/2025	04/09/2025	1
Novel holistic intelligent tools for variable retrofit and decarbonised scenarios (ZEWT Partnership)	IA	Lump sums	4.000.000	HORIZON-CL5-2025-04	06/05/2025	04/09/2025	1
Flexible and mobile solutions for Onshore Power Supply (ZEWT Partnership)	IA	Lump sums	5.000.000	HORIZON-CL5-2025-04	06/05/2025	04/09/2025	1
Optimal integrated onboard renewable energy solutions, by considering Wind-Assisted Propulsion Systems (ZEWT Partnership)	IA		7.500.000	HORIZON-CL5-2025-04	06/05/2025	04/09/2025	1
Support of the new EU renewable and low carbon fuel ecosystem for waterborne transport	CSA	Lump sums	2.000.000	HORIZON-CL5-2025-04	06/05/2025	04/09/2025	1

Cluster 5. Work Programme. 2025

Destination 5 - Clean and Competitive Solutions for All Transport Modes	162.600.000	19
Zero-emission road transport	61.000.000	7

Topic/action title	Type	Lump sums?	Budget	Call	Opening	Deadline	Exp. Grants
Efficient wireless stationary bidirectional charging solutions for road Light Duty Vehicles (2ZERO Partnership) – Societal Readiness Pilot	IA		20.000.000	HORIZON-CL5-2025-04	06/05/2025	04/09/2025	2
Cybersecure and resilient road e-mobility ecosystem (2ZERO Partnership)	IA	Lump sums	10.000.000	HORIZON-CL5-2025-04	06/05/2025	04/09/2025	1
Safe post-crash management of road Light Duty Battery Electric Vehicles (BEVs) (2ZERO Partnership)	IA	Lump sums	5.000.000	HORIZON-CL5-2025-04	06/05/2025	04/09/2025	1
Extended lifetime of road Battery Electric Vehicles (BEV) (2ZERO Partnership)	RIA	Lump sums	7.000.000	HORIZON-CL5-2025-04	06/05/2025	04/09/2025	1
Road Battery Electric Vehicles (BEV) optimised user-centric solutions for energy efficiency design and consistent range throughout weather conditions (2ZERO Partnership)	IA	Lump sums	12.000.000	HORIZON-CL5-2025-04	06/05/2025	04/09/2025	2
Strategies, tools and concepts for optimised road Battery Electric Vehicles (BEV) long-haul logistics use cases (2ZERO Partnership)	IA	Lump sums	5.000.000	HORIZON-CL5-2025-04	06/05/2025	04/09/2025	1
Accelerating the circular transformation of the EU automotive industry	CSA	Lump sums	2.000.000	HORIZON-CL5-2025-04	06/05/2025	04/09/2025	1

Cluster 5. Work Programme. 2025

Destination 6 - Safe, Resilient Transport and Smart Mobility Services for Passengers and Goods	136.000.000	15
CCAM	37.500.000	6

Topic/action title	Type	Lump sums?	Budget	Call	Opening	Deadline	Exp. Grants
Advancing remote operations to enable the sustainable and smart mobility of people and goods based on operational and societal needs (CCAM Partnership) – Societal Readiness Pilot	RIA	Lump sums	12.000.000	HORIZON-CL5-2025-04	06/05/2025	04/09/2025	2
Preparing for large-scale CCAM demonstrations (CCAM Partnership) – Societal Readiness Pilot	CSA	Lump sums	4.500.000	HORIZON-CL5-2025-04	06/05/2025	04/09/2025	1
Next-generation environment perception for real world CCAM operations: Error-free and secure technologies to improve energy-efficiency, cost-effectiveness, and circularity (CCAM Partnership)	RIA	Lump sums	8.000.000	HORIZON-CL5-2026-01	16/09/2025	20/01/2026	2
Integration of human driving behaviour in the validation of CCAM systems (CCAM Partnership)	RIA	Lump sums	5.000.000	HORIZON-CL5-2026-01	16/09/2025	20/01/2026	1
Approaches, verification and training for Edge-AI building blocks for CCAM Systems (CCAM Partnership)	RIA	Lump sums	4.000.000	HORIZON-CL5-2026-01	16/09/2025	20/01/2026	1
Federated CCAM data exchange platform (CCAM Partnership)	IA	Lump sums	4.000.000	HORIZON-CL5-2026-01	16/09/2025	20/01/2026	1

Cluster 5. Work Programme. 2025

Destination 6 - Safe, Resilient Transport and Smart Mobility Services for Passengers and Goods	136.000.000	15
Multimodal transport, infrastructure and logistics	66.500.000	5

Topic/action title	Type	Lump sums?	Budget	Call	Opening	Deadline	Exp. Grants
Innovative air mobility and services for sustainable and smart urban, peri-urban transport – Societal Readiness pilot	RIA	Lump sums	10.000.000	HORIZON-CL5-2025-04	06/05/2025	04/09/2025	2
Innovative construction and maintenance , with the use of new materials and techniques, for resilient and sustainable transport infrastructure	IA		22.000.000	HORIZON-CL5-2026-01	16/09/2025	20/01/2026	2
Accelerating freight transport and logistics digital innovation	IA		15.000.000	HORIZON-CL5-2026-01	16/09/2025	20/01/2026	2
Reliable data and practices to measure and calculate transport emissions in multimodal transport chains	CSA	Lump sums	3.500.000	HORIZON-CL5-2026-01	16/09/2025	20/01/2026	1
Integrating inland waterway transport in smart shipping and multimodal logistics chains	IA		16.000.000	HORIZON-CL5-2026-01	16/09/2025	20/01/2026	2



GOBIERNO
DE ESPAÑA

MINISTERIO
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Y UNIVERSIDADES



Cluster 5. Work Programme. 2025

Destination 6 - Safe, Resilient Transport and Smart Mobility Services for Passengers and Goods	136.000.000	15
Safety and resilience	32.000.000	4

Topic/action title	Type	Lump sums?	Budget	Call	Opening	Deadline	Exp. Grants
Safe Human-Technology Interaction (HTI) in the vehicle systems of the coming decade – Societal Readiness Pilot	IA	Lump sums	8.000.000	HORIZON-CL5-2025-04	06/05/2025	04/09/2025	2
Safety of Cyclists, Pedestrians and Users of Micromobility Devices	RIA	Lump sums	10.000.000	HORIZON-CL5-2026-01	16/09/2025	20/01/2026	2
Predicting and avoiding road crashes based on Artificial Intelligence (AI) and big data	RIA	Lump sums	10.000.000	HORIZON-CL5-2026-01	16/09/2025	20/01/2026	2
Icing in the context of sustainable aviation	RIA	Lump sums	4.000.000	HORIZON-CL5-2026-01	16/09/2025	20/01/2026	1

Cluster 5. Work Programme. 2025. Novedades

Novedades

Call comprende varios Destinations (y áreas)

Societal Readiness Pilot

Two Stages (novedad en movilidad)

Private for Profit entities en IA co programmed al 70% (regla general Vs piloto 60% WP 2021-2024)

Tendencia

Lump sum

Protection of European communication networks:

The following exceptions apply: subject to restrictions for the protection of European communication networks -> ZTE, Huawei (Anexos Generales)

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



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DE CIENCIA, INNOVACIÓN
Y UNIVERSIDADES



Cluster 5. Work Programme. 2025. **NOVEDADES**

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. Work Programme. 2025. NOVEDADES

Societal Readiness Pilot

Closed	Topic/action title	ToA	Lump sums?	Area
	Monitoring and Evaluation of the Societal Readiness Pilot Deadline: 20/01/2026	HORIZON-CSA	Lump sums	Destination 2 - Cross-cutting
	Development of hydropower technologies and water management schemes allowing for win-win situation of flexible hydropower and biodiversity improvement – Societal Readiness Pilot	HORIZON-RIA	Lump sums	Renewable energy
	Efficient wireless stationary bidirectional charging solutions for road Light Duty Vehicles (2ZERO Partnership) – Societal Readiness Pilot	HORIZON-IA		Zero-emission road transport
	Advancing remote operations to enable the sustainable and smart mobility of people and goods based on operational and societal needs (CCAM Partnership) – Societal Readiness Pilot	HORIZON-RIA	Lump sums	CCAM
	Preparing for large-scale CCAM demonstrations (CCAM Partnership) – Societal Readiness Pilot	HORIZON-CSA	Lump sums	CCAM
	Innovative air mobility and services for sustainable and smart urban, peri-urban transport – Societal Readiness pilot	HORIZON-RIA	Lump sums	Multimodal transport, infrastructure and logistics Safety and resilience
	Safe Human-Technology Interaction (HTI) in the vehicle systems of the coming decade – Societal Readiness Pilot	HORIZON-IA	Lump sums	
	Fostering equity and justice in climate policies – Societal Readiness Pilot	HORIZON-RIA	Lump sums	Climate sciences
	Smarter buildings as part of the energy system for increased efficiency and flexibility – Societal Readiness Pilot	HORIZON-IA	Lump sums	Buildings

Cluster 5. Work Programme. 2025. 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



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.

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

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

Dissemination



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

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

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

Exploitation



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.

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

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



Cluster 5. Work Programme. 2025. Two-stage Calls

2-Stage Calls

4 topics earmarked as 2-stage calls:

- HORIZON-CL5-2025-05-Two-Stage-D1-05: Adaptation to Climate Change: Effectiveness and Limits
- HORIZON-CL5-2025-01-Two-Stage-D2-02: Cost-effective next-generation batteries for long-duration stationary storage (Batt4EU Partnership)
- HORIZON-CL5-2025-01-Two-Stage-D3-23: Critical elements for energy security of grid and storage technologies
- HORIZON-CL5-2025-03-Two-Stage-D5-09: Next generation aircraft autonomy technologies for cockpit / pilot assistance applications



4 topics (mov: baterías, aviation)

Excellencia / Impacto

Threshold: 4 / 5

First stage -> Second stage: some changes

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.)



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



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 Regulation 2021/695. Legal entities from associated countries can participate under equivalent conditions to 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 include the limitation of 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 also be attached to the participation of legal entities established in an eligible country which are 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, nature and objectives of the action³.

All sixteen non-EU countries associated to the previous programme, Horizon 2020, have 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 partner for award procedures implementing Union budget for the year 2024 and onwards)
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

Participants from the following low- to middle-income countries are **automatically eligible** for funding⁷:

- 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, Palestine⁸, 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.

⁷ Subject to the respect of EU restrictive measures (see disclaimer below).

⁸ This designation is not to be construed as recognition of a State of Palestine and is without prejudice to the individual positions of the Member States on this issue



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

Cluster 5. Work Programme. 2025. Int. Collaboration

WP 2025: International Cooperation

Japan, US, China, Singapore and Australia...
CCAM

Post WP 2025: International Cooperation



On recycling of batteries for EVs, the focus will be on **battery circularity** through different kinds of flexible/low cost/easy to recycle batteries.

...

Both sides agreed to explore cooperation on harmonising standards for **EV charging infrastructure**, including cooperative, pre-normative research for harmonised testing solutions and knowledge exchange in the domain of e-mobility.



Cluster 5. Resultados

18 de Noviembre de 2024

H. Europe 2021-2023: + 3,4 billion EUR ES.

Cluster 5. Movilidad

3er país. Entidades líderes

Cluster 5. Movilidad. Galicia

7,1 millones EUR / 8,5 % sobre total Nacional

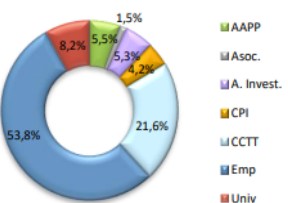
CLÚSTER 5 - MOVILIDAD

Subvención obtenida por España: 371,1 M€

249 actividades I+D+I con
participantes españoles

57 coordinadas

Retorno por tipo de entidad (%ES)



Destacan los resultados en:

- SESAR (27,8% UE, 1ªp.)
- EU Rail (19,1% UE, 2ªp.)
- CCAM (14,3% UE, 2ªp.)
- "Transporte multimodal, logística e infraestructuras" (13,5% UE, 1ªp.)

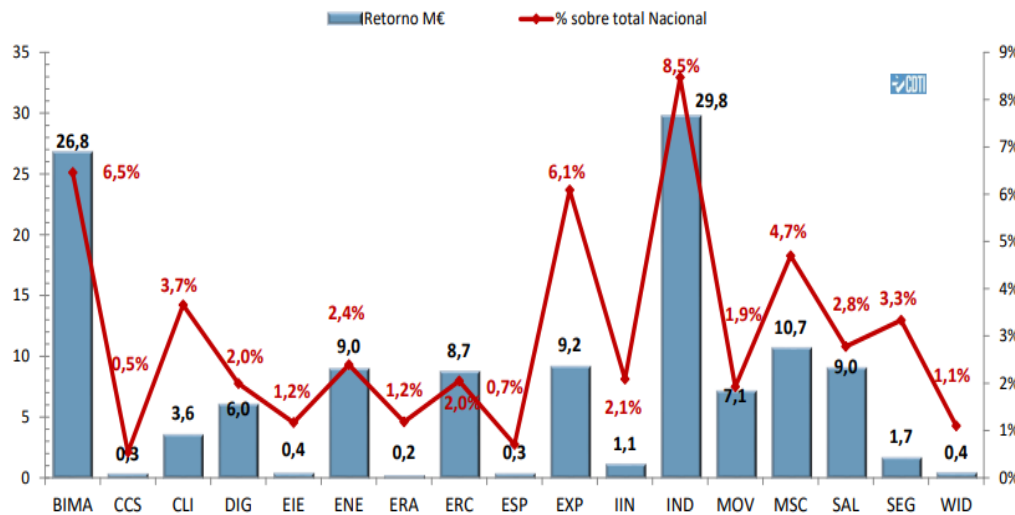
Entidades con mayor retorno:

Indra, Airbus D&S, Tecnalia, Cidetec, UPM, CRIDA, Airbus Op., IDIADA, Eurecat, CIC Energigune

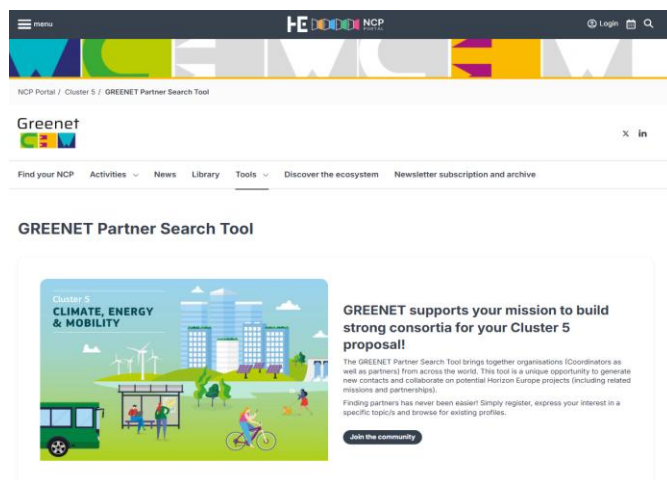
España es el 3er país por retorno: 13,3% UE-27

Movilidad incluye los partenariados de Aviación Limpia (Clean Sky 2), Baterías, Ferrocarril Europeo (EU Rail), Investigación Sobre ATM en el Cielo Único Europeo 3 (SESAR), Movilidad Conectada, Cooperativa y Automatizada (CCAM), Transporte Marítimo Cero Emisiones (ZEWI), Transporte por Carretera con Cero Emisiones (ZZE) y los temas de a las convocatorias de la Misión Ciudades vinculados a esta área.

Resultados de Galicia en Horizonte Europa por Áreas Temáticas (2021-2023)



Looking for a consortium?



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

GREENET
NCP

PARTNER
SEARCH



[Info](#) [How it works](#) [FAQ](#) [Contact](#) [Events](#) [Destinations](#)

GREENET Partner Search Tool

An online database that manages Cluster 5 networking opportunities.

[Register now](#)
Open until 31 December 2025

ORGANISED BY



PARTICIPANTS

	Türkiye	386
	France	206
	Spain	194
	United Kingdom	143
	Belgium	76
	Italy	70
	Portugal	45
	Poland	42
	Germany	41

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/>

Cluster 5. Resumen

Importancia partenariados

Competencia

Criterios desempate (gender)

Novedades

Societal Readiness Pilot

No piloto 60% (por ahora)

+ lump sum

Dos fases

Grant

Share

Knowledge

Risks

Information

Networking

Influence

New consumers

New markets

Marketing

Recognition

...



Policies
Horizon Europe.
Horizon Europe. Cluster 5. Estructura
Horizon Europe. Cluster 5. Movilidad. WP 2025
Topics
Novedades

EU Automotive Action Plan
Cluster 5. Work Programme. 2026/7.

EU Automotive Action Plan

Automotive Action plan and Strategic Dialogue

Digital topics feature heavily in the Strategic Dialogue and Automotive Action Plan



Ursula von der Leyen
President



Jan 30 – Kick-off
Mar 3 – Closing with Pres VdL



Henna Virkkunen
EVP



Stéphane Séjourné
EVP



Roxana Minzatu
EVP



Wopke Hoekstra
Commissioner



Apostolos Tzitzikostas
Commissioner

Dialogues with 5 other EVPs/Commissioners

Feb 17, Strategic Dialogue with EVP Virkkunen



26 participants, 4 Focus topics

- 1 Software-Defined Vehicles (SDVs) for connected, automomous, and electric mobility
- 2 Automotive Hardware and critical technologies
- 3 Data Access and Pooling
- 4 Regulatory simplification



Hand-over of the “**Declaration to collaborate on an EU Software-Defined Vehicle**” signed by 15 OEMs, Tier 1 suppliers, and DE, FR, IT Automotive associations



March 5 – Publication of the
Action Plan for Automotive

The outcome of this dialogue will be a
comprehensive Action Plan

5 Chapters:

Innovation and Digitalisation

Decarbonisation

Competitiveness and supply resilience

Skills and Social dimension

Level playing field and business environ.

Cluster 5. Work Programme. 2026/7. DRAFT

ORIENTATIVO
(sujeto a cambios)

Horizon Europe - Work Programme 2026-2027
Climate, Energy and Mobility

Horizon Europe
Work Programme 2026-2027

Climate, Energy and Mobility

Version 8 August 2025

DISCLAIMER.
This draft has not been adopted or endorsed by the European Commission. Any views expressed are the preliminary views of the Commission services and may not in any circumstances be regarded as stating an official position of the Commission. The information transmitted is intended only for the Member State or entity to which it is addressed for discussions and may contain confidential and/or privileged material.

Part 8 - Page 1 of 321

Statistics

	Annual average WP 2026-2027	Annual average WP 2023-2025
Number of topics	49	93
Grants per topic	2.7	2.0
EU contribution per topic	24 M€	12.7 M€
EU contribution per grant	8.8 M€	6.3 M€

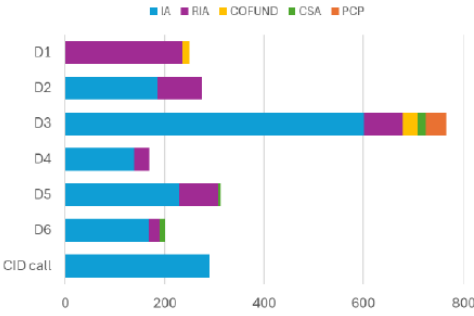


Cambios estratégicos
Menos topics
Topics más breves/claros
Aumento tamaño topic

Cluster 5 Work programme 2026-2027

	Call Budget (Mio €)	Share of total	Number of topics	Share of total
D1: Climate science	250	11%	13	13%
D2: Cross-sectorial solution	275.3	12%	8	8%
D3: Energy supply	765.5	34%	33	34%
D4: Energy use	169	8%	9	9%
D5: Clean and competitive transport modes	296.5	13%	20	21%
D6: Smart mobility systems for people and goods	200.1	9%	12	12%
Clean Industrial Deal (CID) call	290	13%	2	2%
TOTAL	2 246.4		97	

EU contribution per Destination and type of action (in Mio EUR)



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



Climate.

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(común): 91.581.55.62

+ H. Europe Clusters

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