#innovacion
#ayudascdti
#asesoramiento
#internacionalizacion

GOBIERNO DE ESPAÑA
MINISTERIO DE CIENCIA, INNOVACIÓN Y UNIVERSIDADES
CDTI INNOVACIÓN

H. Europe. Cluster 5. Movilidad

HORIZONTE EUROPA
@HorizonteEuropa

Julio Dolado
julio.dolado@cdti.es
ACCIO. Infoday
Barcelona

14 de mayo de 2025

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

Topics
Novedades

EU Automotive Action Plan

GOBIERNO DE ESPAÑA
MINISTERIO DE CIENCIA, INNOVACIÓN Y UNIVERSIDADES
CDTI INNOVACIÓN

Apoyo. Cluster 5. Movilidad

julio.dolado
@cdti.es

juanfrancisco.reyes
@cdti.es

Horizonte Europa Clúster 5 Movilidad. CDTI
@HE_Movil_CDTI

GOBIERNO DE ESPAÑA
MINISTERIO DE CIENCIA, INNOVACIÓN Y UNIVERSIDADES
CDTI INNOVACIÓN

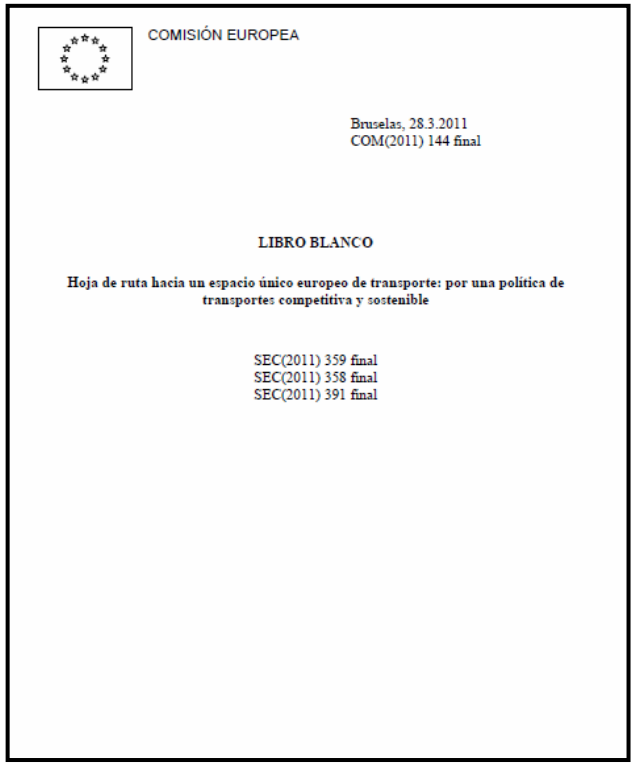
Libro Blanco de Transporte 2011

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



COMISIÓN EUROPEA

Bruselas, 28.3.2011
COM(2011) 144 final

LIBRO BLANCO

Hoja de ruta hacia un espacio único europeo de transporte: por una política de transportes competitiva y sostenible

SEC(2011) 359 final
SEC(2011) 358 final
SEC(2011) 391 final

Algunas referencias

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/es/publication-detail/-/publication/2f9fc221-86bb-11ef-a67d-01aa75ed71a1/language-en

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.

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

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.

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

EUROPEAN COMMISSION

Brussels, 30.4.2025
COM(2025) 189 final

COMMUNICATION FROM THE COMMISSION TO THE EUROPEAN PARLIAMENT AND THE COUNCIL

Horizon Europe: Research and Innovation at the heart of competitiveness

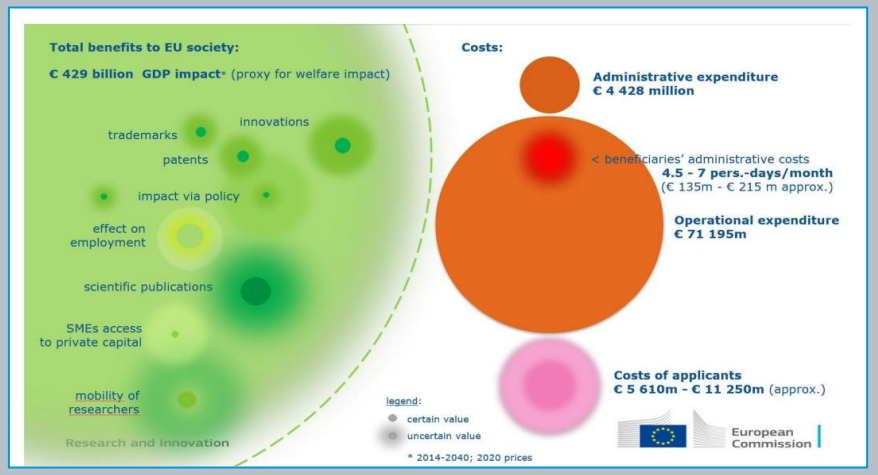
{SWD(2025) 110 final}

Comunicación

Staff Working Document

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

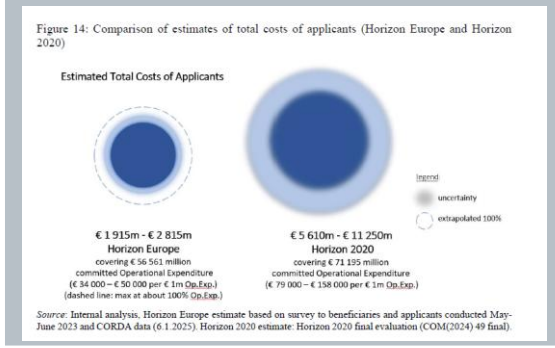
Annex 11 – 29: Partnerships



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.



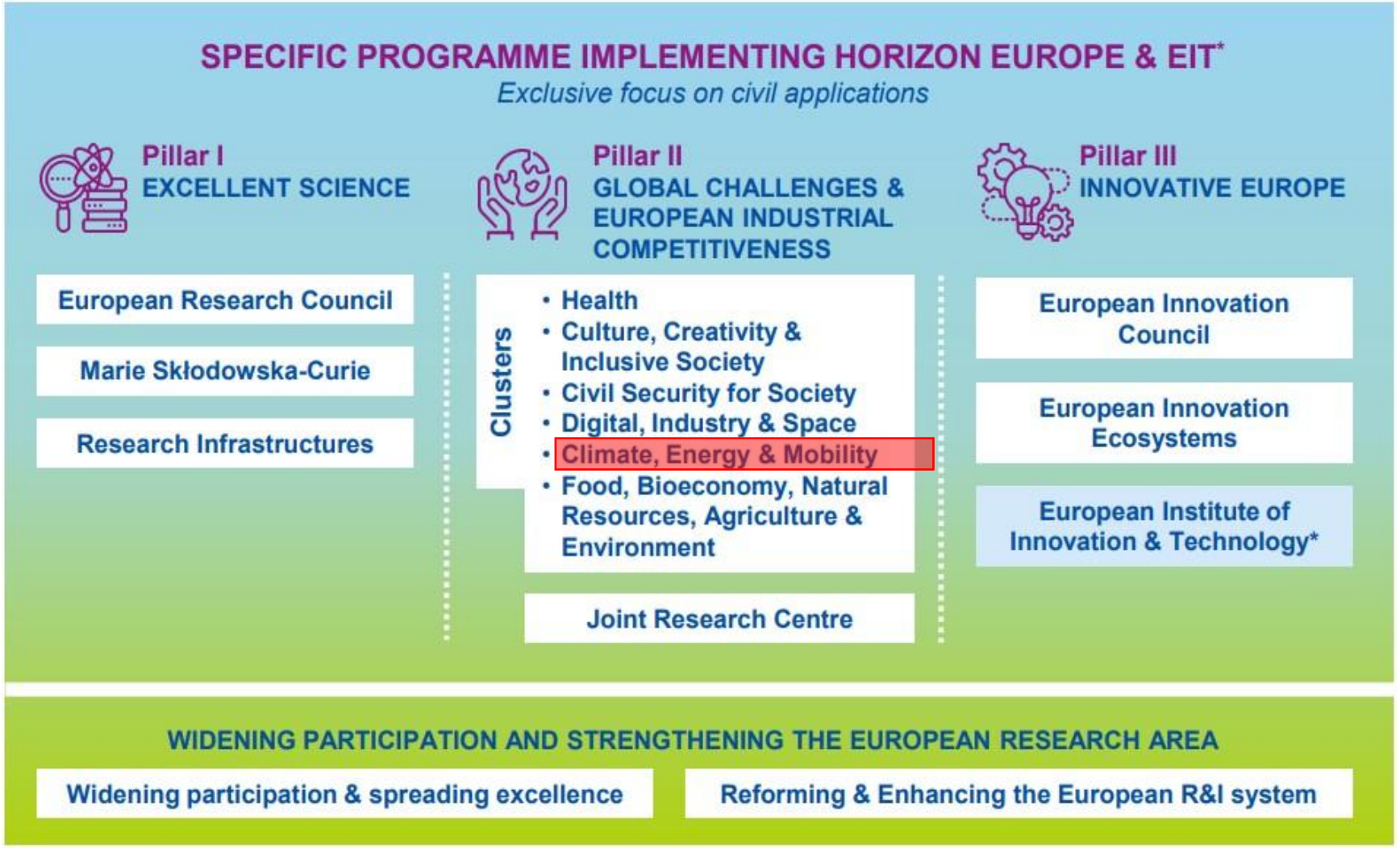
...beneficio y para los beneficiarios

+ 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).

https://ec.europa.eu/commission/presscorner/detail/en/ip_25_1115

Horizon Europe.



General characteristics

Collaboratory R&D Projects

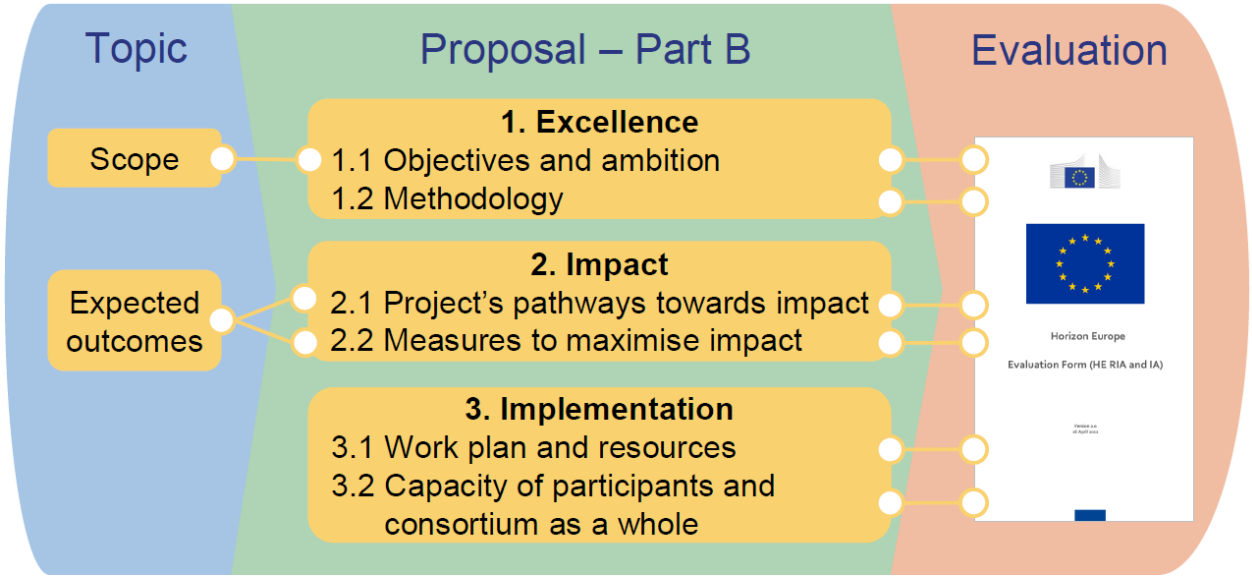
Min **3** indepedient legal entitites from **3** MMSS

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
CSAs: limit is 30 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)

Cluster 5

Climate, Energy and Mobility

15.123 billion €

Workprogramme ("WP")

Co-Funded Partnerships

Missions (e.g "Cities" contribution)

Partnerships

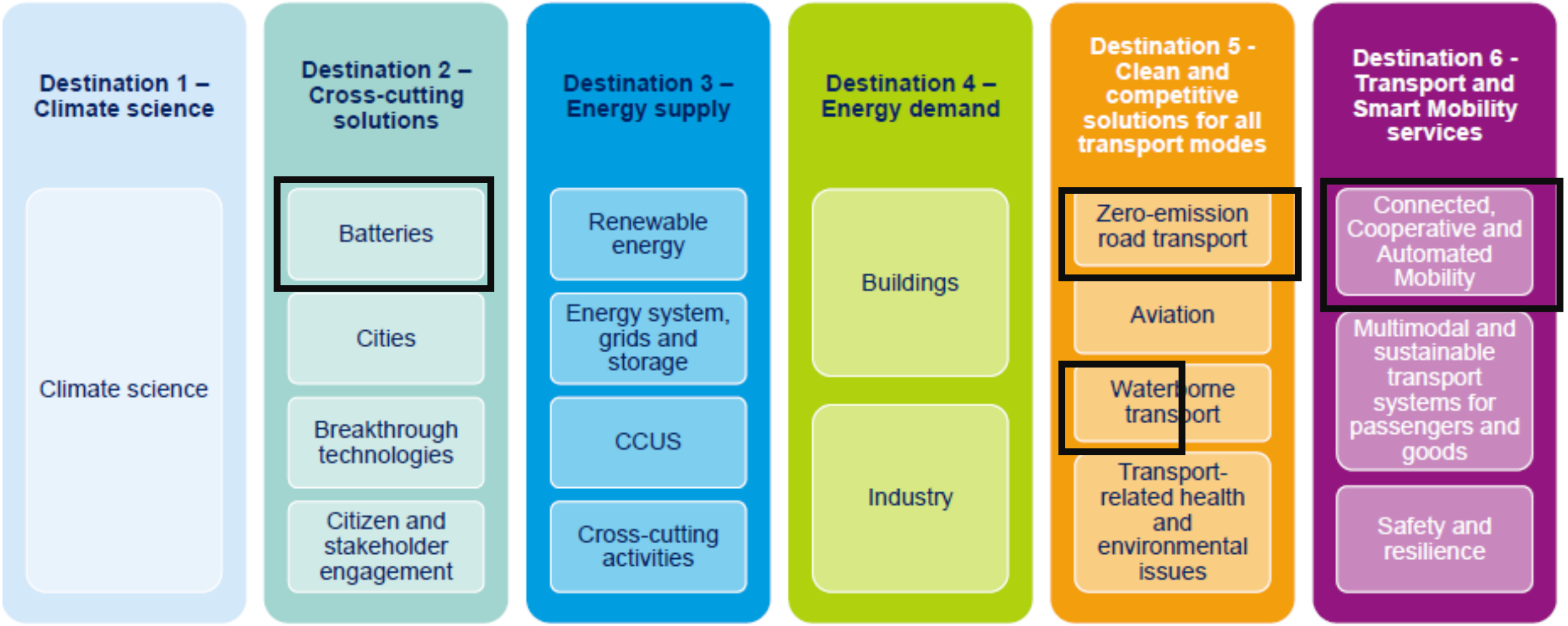
Institutional
+
Co-Programmed

+ 7.000 million €

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



Co-Programmed Partnerships Movilidad

GOBIERNO DE ESPAÑA
MINISTERIO DE CIENCIA, INNOVACIÓN Y UNIVERSIDADES

CDTI INNOVACIÓN

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

¿Ser o no ser?

Miembro

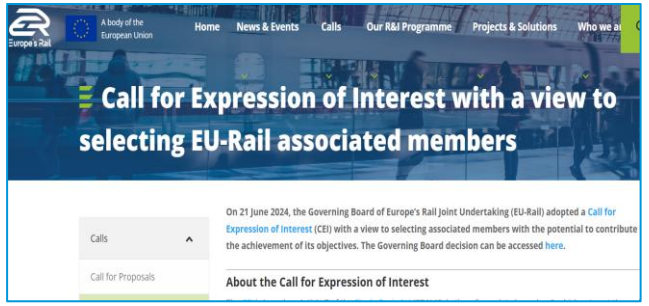
Co-Programmed

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/

Institutional

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



Cluster 5. Work Programme. 2025

	Presupuesto (EUR)	N° 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

GOBIERNO DE ESPAÑA
MINISTERIO DE CIENCIA, INNOVACIÓN Y UNIVERSIDADES
CDTI INNOVACIÓN

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

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

GOBIERNO DE ESPAÑA
MINISTERIO DE CIENCIA, INNOVACIÓN Y UNIVERSIDADES
CDTI INNOVACIÓN

Cluster 5. Work Programme. 2025. **Novedades**

Novedades

Call comprende varios Destionations (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, Huawuei (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

GOBIERNO DE ESPAÑA
MINISTERIO DE CIENCIA, INNOVACIÓN Y UNIVERSIDADES

CDTI INNOVACIÓN

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**.

GOBIERNO DE ESPAÑA
MINISTERIO DE CIENCIA, INNOVACIÓN Y UNIVERSIDADES
CDTI INNOVACIÓN

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

Societal Readiness Pilot

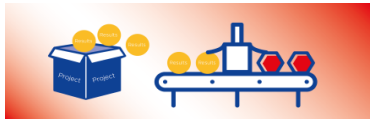
Topic/action title	ToA	Lump sums?	Area
Monitoring and Evaluation of the Societal Readiness Pilot	HORIZON-CSA	Lump sums	Destination 2 - Cross-cutting
Development of **hydropower technologies** and water management schemes allowing for win-win situation of flexible hydropower and biodiversity improvement – 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**
Safe **Human-Technology Interaction** (HTI) in the vehicle systems of the coming decade – Societal Readiness Pilot	HORIZON-IA	Lump sums	**Safety and resilience**
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

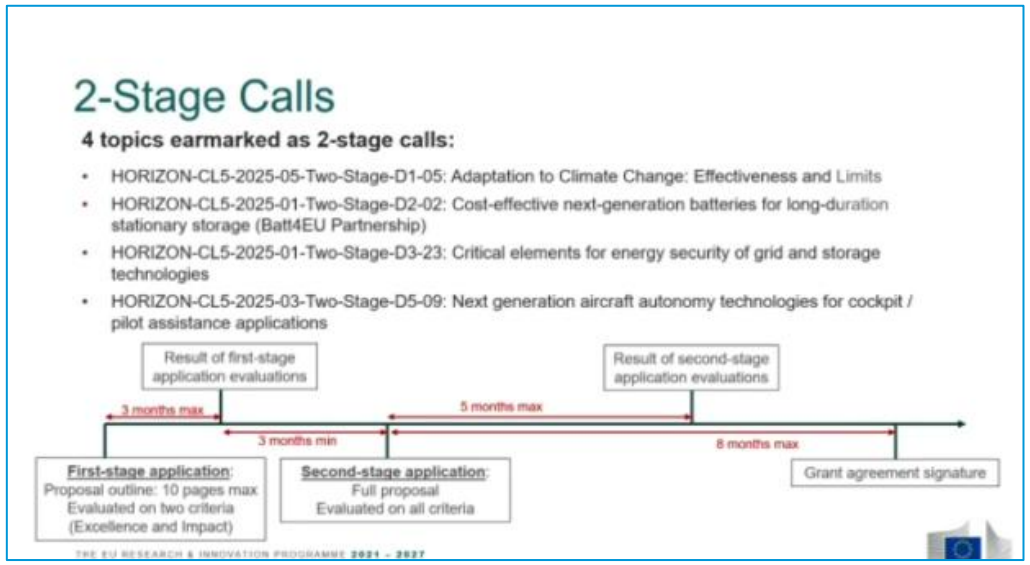
- To write a lump sum proposal, you:
  - Use the standard Horizon Europe application form
  - Present the objectives and methodology of your project and address the expected outcomes and impacts as in any Horizon Europe proposal
  - Describe in detail the activities covered by each work package.
- To 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.

European Commission

	Communication	Dissemination	Exploitation
			
Objective	**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.
Focus	**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.)
Target Audience	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.

GOBIERNO DE ESPAÑA
MINISTERIO DE CIENCIA, INNOVACIÓN Y UNIVERSIDADES
CDTI INNOVACIÓN

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

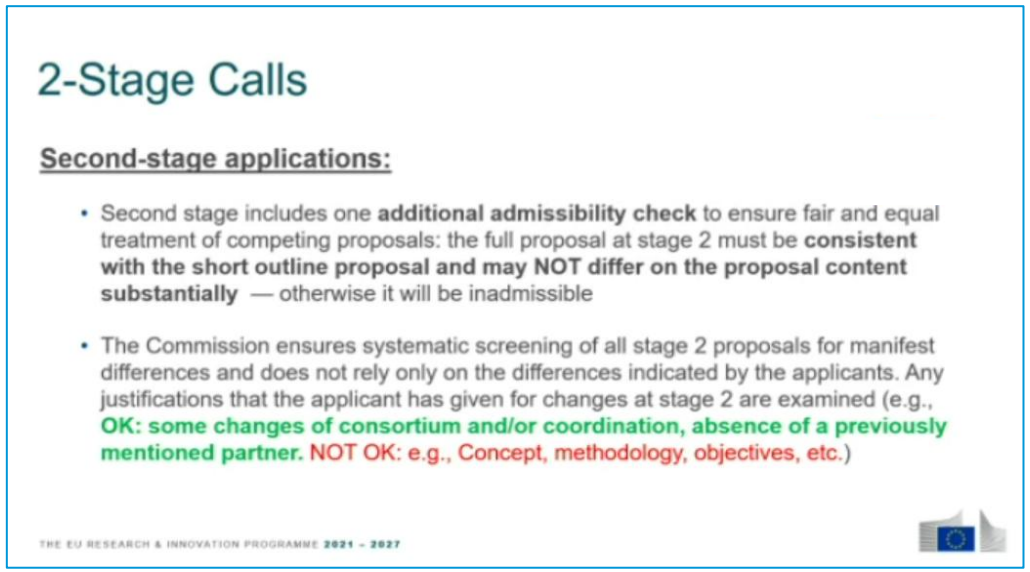


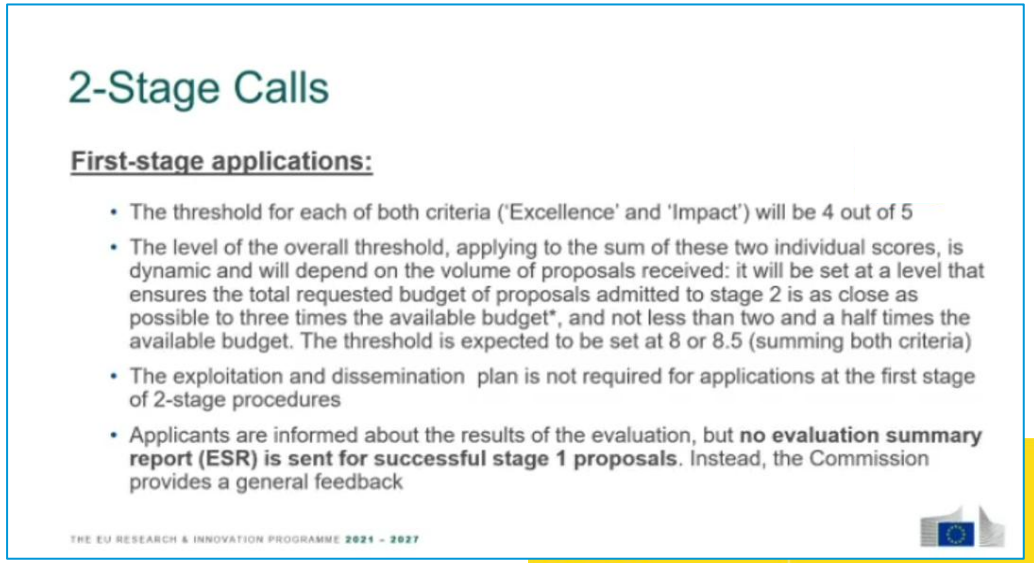
4 topics (mov: baterías, aviation)

Excellencia / Impacto

Threshold: 4 / 5

First stage -> Second stage: some changes





CDTI INNOVACIÓN

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/topic[2] or when their participation is considered by the European Commission to be essential for carrying out the action[3].
- 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

List of Participating Countries in Horizon Europe

Third countries associated to Horizon Europe

Association to Horizon Europe is governed by the Horizon Europe Regulation 2
Legal entities from associated countries can participate under equivalent cor
legal entities from the EU Member States, unless specific limitations or cone
laid down in the work programme and/or call/topic text. Such measures cou
the limitation of participation in certain actions to legal entities established
alone, or in the EU and specified non-EU countries, in order to safeguard
strategic assets, interests, autonomy or security. Limitations or conditions m
attached to the participation of legal entities established in an eligible country
are controlled directly or indirectly by an ineligible country[2]. The eligibility will
defined in the work programme. There could also be criteria on the
establishment of the legal entity to take into account specific policy requireme
nature and objectives of the action[3].

All sixteen non-EU countries associated to the previous programme, Horizon 2
also expressed interest to become associated to Horizon Europe. Other third
have also expressed an interest in association.

The association agreements with the following countries have now started t
legal effects (either through provisional application or their entry into force)
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
5. Faroe Islands
6. Georgia
7. Iceland
8. Israel
9. Kosovo[4]
10. Moldova
11. Montenegro
12. New Zealand (associated to Pillar II 'Global Challenges and European Competitiveness' as from the Work Programmes 2023 onwards, includ 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 Regulations (EU) No 1290/2013 and (EU) No 1291/2013 (OJ 12.5.2021 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[7]:

- 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, Palestine[8], Papua New Guinea, Paraguay, Peru, Philippines
- Rwanda
- Samoa, São Tomé and Principe, 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 be construed as recognition of a State of Palestine and is without prejudice to the individual positions of the Member States on this issue

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

GOBIERNO DE ESPAÑA
MINISTERIO DE CIENCIA, INNOVACIÓN Y UNIVERSIDADES

CDTI INNOVACIÓN

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.

https://www.pmindia.gov.in/en/news_updates/joint-statement-second-meeting-of-the-india-eu-trade-and-technology-council-new-delhi/

GOBIERNO DE ESPAÑA
MINISTERIO DE CIENCIA, INNOVACIÓN Y UNIVERSIDADES
CDTI INNOVACIÓN

Cluster 5. Work Programme. 2025. **Int. Collaboration**

HORIZON-CL5-2025-04-D5-19: Knowledge sharing and dissemination to support road transport R&I in EU and around the world increasing global EU competitiveness

Increased international cooperation on road transport with related national and international organisations and support of international EU activities in line with the UN Sustainable Development Goals and supporting the competitiveness of the EU industry, in particular the **US and the Global South**

…

Analyse EU research funded projects and activities related to electromobility in urban areas in emerging economies (specifically in **Africa, Asia and Latin America**) and support further dissemination and replication of implemented solutions in other regions via specific workshops and events, mainly online. This shall also facilitate the exchange of information of EU actors and projects with key international cooperation programmes such as the Global Gateway and the UN Global Environment Facility (GEF).

GOBIERNO DE ESPAÑA
MINISTERIO DE CIENCIA, INNOVACIÓN Y UNIVERSIDADES
CDTI INNOVACIÓN

Cluster 5. Work Programme. 2025. **Int. Collaboration**

HORIZON-CL5-2026-01-D6-03: Next-generation environment perception for real world CCAM operations: Error-free and secure technologies to improve energy-efficiency, cost-effectiveness, and circularity (CCAM Partnership)

To achieve the expected outcomes, international cooperation is highly relevant, considering the lessons learned in this area (for example, from robo-taxi and freight transport trials in **the US and China**). Activities should foster links between the European ecosystem and relevant stakeholders around the world, in particular with **Japan and the United States** but also with other relevant strategic partners in third countries, while taking into account the legal, cultural, historical, and social aspects in Europe as well as other specificities of the European road network and cities (including: traffic rules, user behaviour, diverse user groups considering gender, age, disability, socio-economic status, streets morphology, and the structure and condition of roads in rural areas).

....

GOBIERNO DE ESPAÑA
MINISTERIO DE CIENCIA, INNOVACIÓN Y UNIVERSIDADES
CDTI INNOVACIÓN

Cluster 5. Work Programme. 2025. **Int. Collaboration**

HORIZON-CL5-2026-01-D6-04: Integration of human driving behaviour in the validation of CCAM systems (CCAM Partnership)

To achieve the expected outcomes, international cooperation is encouraged with research stakeholders in **Japan and the United States** but also with other relevant strategic partners in third countries. Such cooperation should exploit synergies as far as possible in capturing data for the parametrisation and validation of behavioural models, while considering regional and cultural differences as well as specificities of respective road infrastructures.

HORIZON-CL5-2026-01-D6-05: Approaches, verification and training for Edge-AI building blocks for CCAM Systems (CCAM Partnership)

In order to achieve the expected outcomes, international cooperation is encouraged in particular with **Japan and the United States** but also with other relevant strategic partners in third countries. Such cooperation should exploit synergies in edge AI approaches for mobility and for CCAM, as well as its integration into the vehicle architecture.

....

GOBIERNO DE ESPAÑA
MINISTERIO DE CIENCIA, INNOVACIÓN Y UNIVERSIDADES
CDTI INNOVACIÓN

Cluster 5. Work Programme. 2025. **Int. Collaboration**

HORIZON-CL5-2026-01-D6-06: Federated CCAM data exchange platform (CCAM Partnership)

In order to achieve the expected outcomes, international cooperation is encouraged in particular with **Japan and the United States** but also with other relevant strategic partners in third countries.

....

HORIZON-CL5-2026-01-D6-14: Predicting and avoiding road crashes based on Artificial Intelligence (AI) and big data

Research is expected to develop recommendations for updates to relevant standards and legal frameworks. International cooperation is advised, in particular with projects or partners from the **US, Japan, Singapore and Australia**. Knowledge and experience from other modes where similar approaches are followed in much more controlled environments should be leveraged.

....

GOBIERNO DE ESPAÑA
MINISTERIO DE CIENCIA, INNOVACIÓN Y UNIVERSIDADES
CDTI INNOVACIÓN

Cluster 5. Resultados

18 de Noviembre de 2024

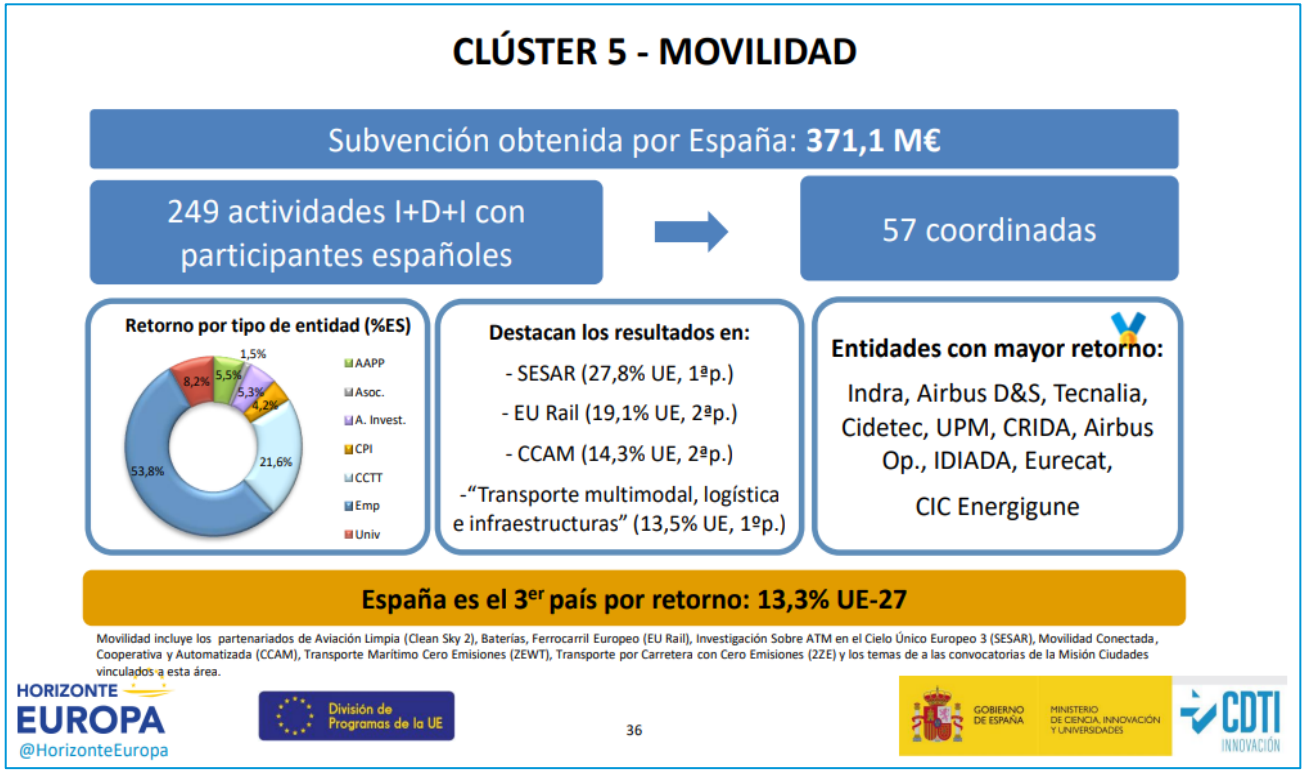
H. Europe 2021-2023: + 3,4 billion EUR ES.

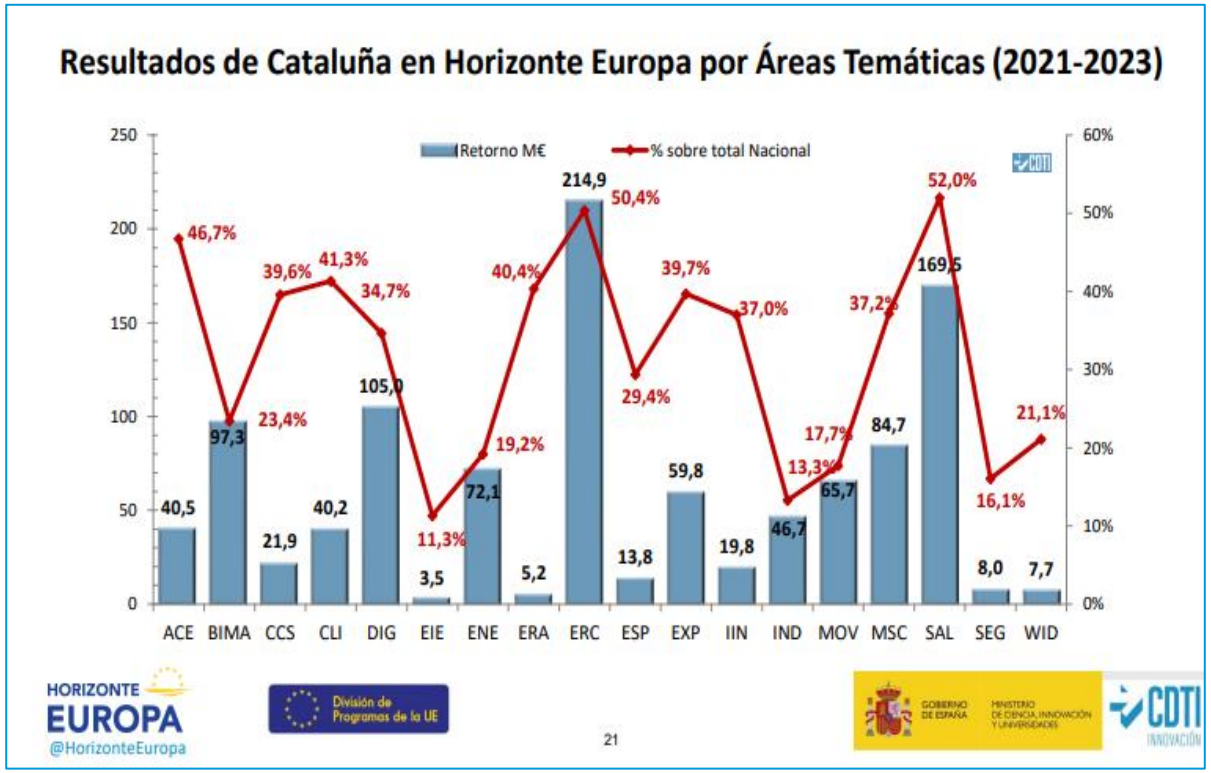
Cluster 5. Movilidad

3er país. Entidades líderes

Cluster 5. Movilidad. Cataluña

+ 60 millones EUR / +17 % sobre total Nacional





https://www.horizonteeuropa.es/espana-es-el-tercer-pais-que-mayor-subvencion-ha-conseguido-en-los-primeros-anos-de-horizonte

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 constumers
New markets
Marketing
Recognition
...

GOBIERNO DE ESPAÑA
MINISTERIO DE CIENCIA, INNOVACIÓN Y UNIVERSIDADES

CDTI INNOVACIÓN

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

Stephane Séjourné
EVP

Roxana Mînzatu
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.

European Commission

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

Climate.
Lydia González, lydia.gonzalez@cdti.es @LydiaGlezF_CDTI
Juan Carlos García, juancarlos.garcia@cdti.es @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