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# Horizon Europe

## Cluster 5: Climate, Energy and Mobility

Instruments de finançament per al sector de l'auto i la mobilitat  
ACCIO, Barcelona  
9 de febrero de 2023



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# Apoyo al participante

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## Clúster 5 – Movilidad



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# Contexto

## Estructura & WP 2023/2024

### Resultados

# Contexto, selección de algunas políticas,...

Clima

Movilidad/Transporte

Energía



We propose to **reduce emissions** by at least **55%** by 2030



2020



**STRIA.** Strat. Transport and Innovation Agenda

3 x Paquetes de Movilidad

Estrategia **Industrial** Europea

Pacto **Verde** Europeo

Propuesta **Ley de Clima** Europea

Fit for **55** Package, **Chip Act**, etc

(...e. circular, declaraciones, estrategias sectoriales, etc)



2011  
**White Paper**  
Transport

2020  
**Strategy** for  
Sustainable and Smart  
Mobility

# Cluster 5. Climate, energy and mobility

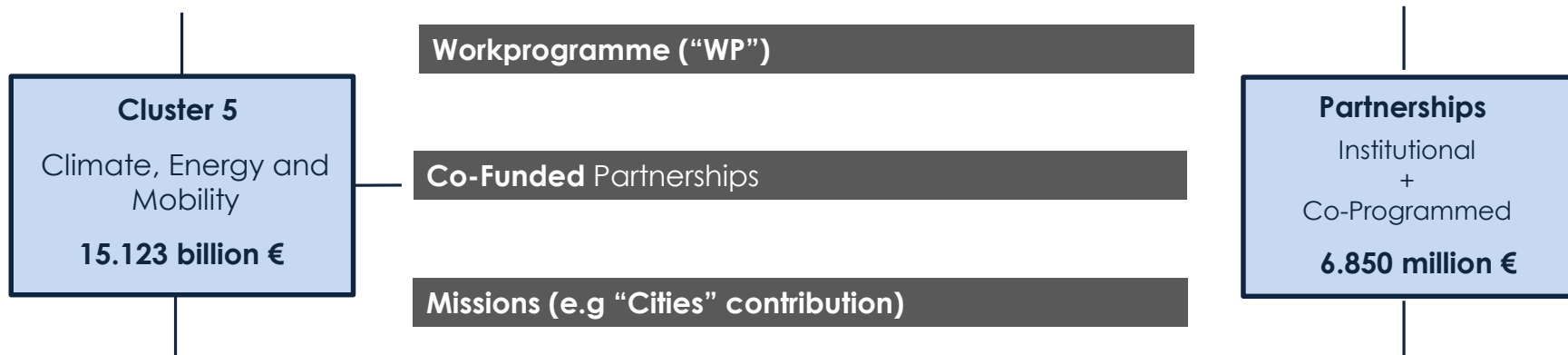
## 1. Institutional Partnerships HE EU Contribution (H2020 EU Contribution ): Convocatorias Propias

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. **530 million €** (N/A)

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

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

# Cluster 5. Climate, energy and mobility

## Trabajar con últimas versiones WP 2023 / 2024 Oficial

Introducción

WP Cluster 5

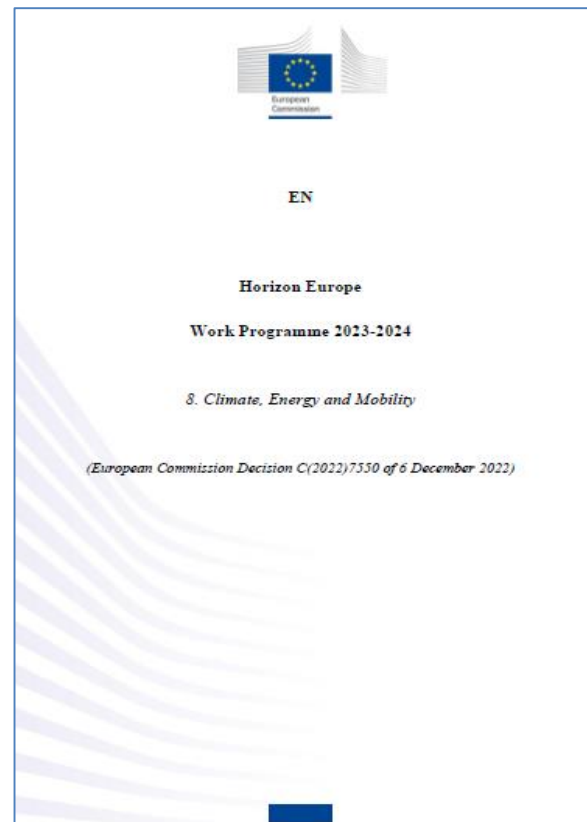
Anexos generales

+ Legislación, Strategic Programme 2021/2024

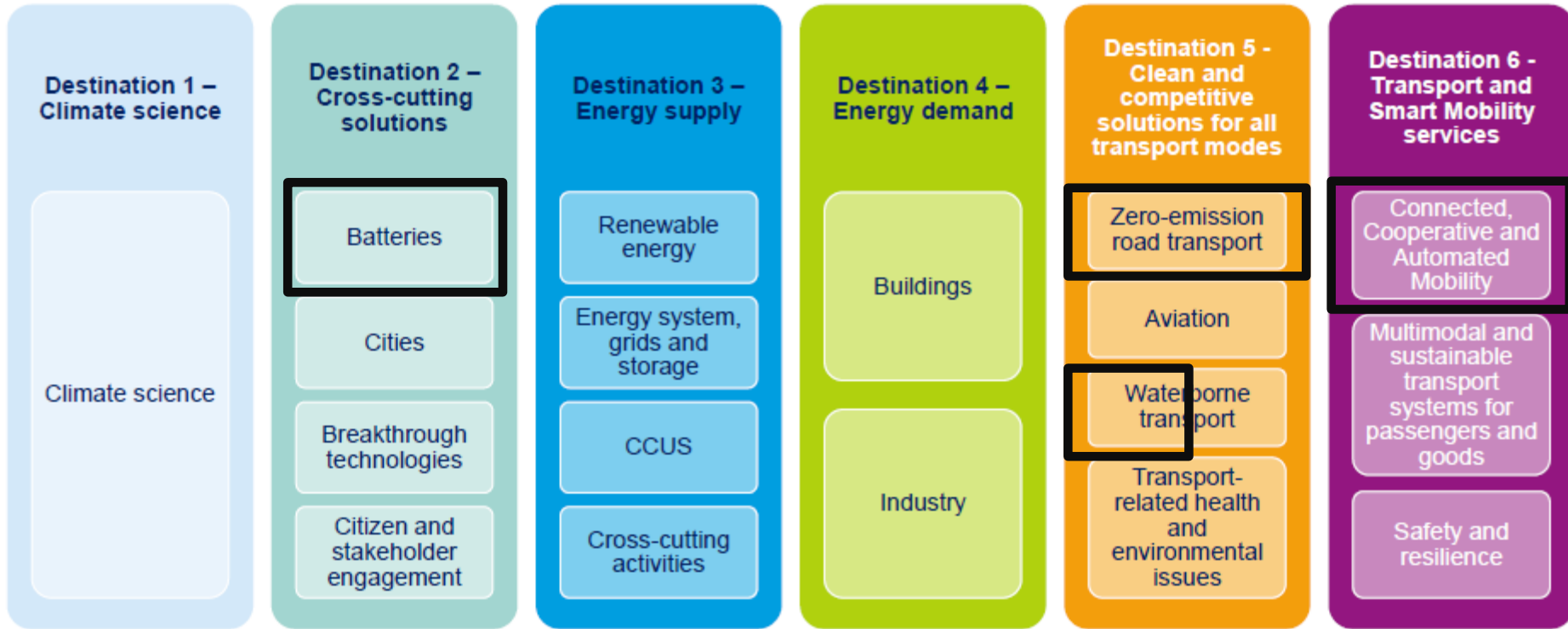
+ Out of H. Europe: Policy,

Presentaciones Infoday COM Cluster 5 15 December 2022 -  
16 December 2022

<https://research-innovation-community.ec.europa.eu/events/6wKEI7CncTdqVAWmeWEASd/programme>



# Cluster 5. Climate, energy and mobility. Workprogramme



**Co Programmed Partnerships**

# Summary. WP 2023 / 2024. Mobility. Budget

	Budget (Million EUR)			N° Topics		
	2023	2024	Total general	2023	2024	Total general
<b>DESTINATION 2</b>	<b>119</b>	<b>101</b>	<b>220</b>	<b>8</b>	<b>7</b>	<b>15</b>
Batteries	119	101	220	8	7	15
<b>DESTINATION 5</b>	<b>217</b>	<b>202,05</b>	<b>419,05</b>	<b>19</b>	<b>18</b>	<b>37</b>
2ZERO	59,5	77	136,5	6	6	12
Aviation	54	57	111	4	4	8
Cross-cutting	0,5		0,5	1	0	1
Transport-related health and environment	10	7	17	1	1	2
Waterborne transport	93	61,05	154,05	7	7	14
<b>DESTINATION 6</b>	<b>108,5</b>	<b>122,5</b>	<b>231</b>	<b>13</b>	<b>12</b>	<b>25</b>
CCAM	50	52	102	5	5	10
Cross-cutting	1,5		1,5	1	0	1
Multimodal transport, infrastructure and logistics	31	48	79	4	4	8
Safety and resilience	26	22,5	48,5	3	3	6
<b>Total general</b>	<b>444,5</b>	<b>425,5</b>	<b>870</b>	<b>40</b>	<b>37</b>	<b>77</b>

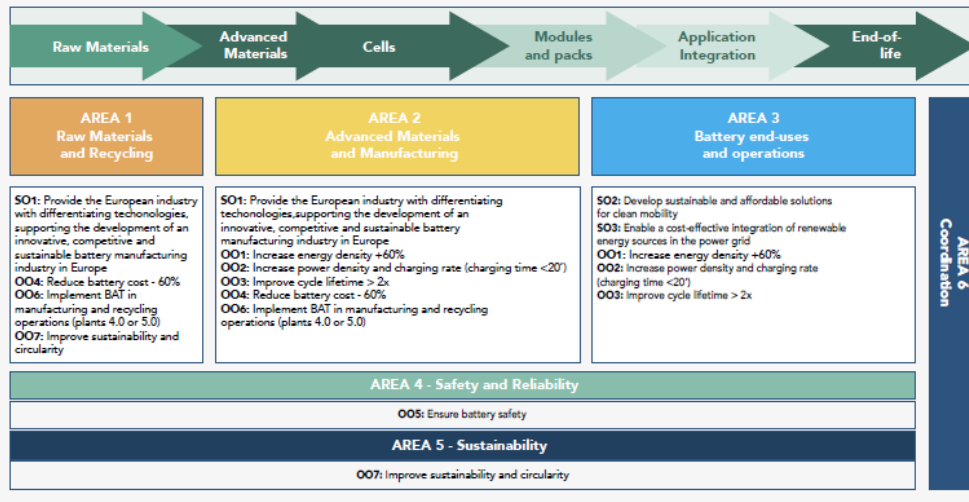


# Summary. WP 2023 / 2024. Mobility. Calls

Destination	Area	Call	Call opening	Call deadline
2	Batteries	HORIZON-CL5-2023-D2-01	13/12/2022	18/04/2023
		HORIZON-CL5-2023-D2-02	04/05/2023	05/09/2023
	Batteries	HORIZON-CL5-2024-D2-01	07/12/2023	18/04/2024
		HORIZON-CL5-2024-D2-02	07/05/2024	05/09/2024
5	2ZERO	HORIZON-CL5-2023-D5-01	13/12/2022	20/04/2023
	Aviation			
	Waterborne transport			
	Transport health and environment			
	Cross cutting	HORIZON-CL5-2024-D5-01	07/12/2023	18/04/2024
	2ZERO			
	Aviation			
	Waterborne transport			
Transport-related health and environment				
6	CCAM	HORIZON-CL5-2023-D6-01	04/05/2023	05/09/2023
	Mult transport, infrastructure and logistics			
	Safety and resilience			
	Cross cutting			
	CCAM	HORIZON-CL5-2024-D6-01	07/05/2024	05/09/2024
	Multimodal transport, infrastructure and logistics			
Safety and resilience				

# Batteries. SRIA

Figure 13 | R&I areas in line with the specific and technical objectives of the partnership.



For the battery applications sectors with a **dedicated partnership** (such as road, waterborne, airborne and rail transports) the dedicated application-oriented partnership will take the lead on the downstream R&I segments activities specific to its sector, especially for the integration of batteries in their specific applications.



# Batteries. WP 2023

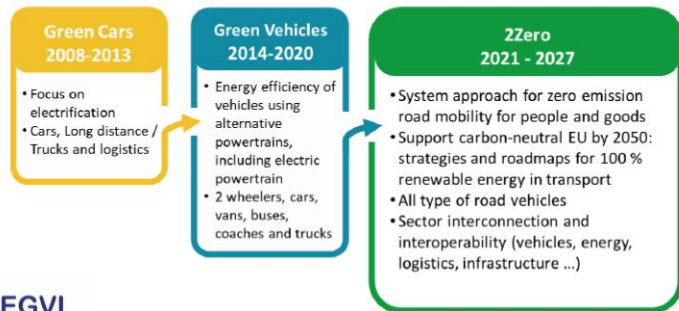
Topic code	Topic title	ToA	Budget	Budget project	N° Proj	TRL	LS
HORIZON-CL5-2023-D2-01-01	Technologies for sustainable, cost-efficient and low carbon <b>footprint downstream processing &amp; production of battery-grade materials</b> (Batt4EU Partnership)	RIA	21,00	7	3	5	
HORIZON-CL5-2023-D2-01-02	New processes for upcoming <b>recycling feeds</b> (Batt4EU Partnership)	RIA	15,00	5	3	4	
HORIZON-CL5-2023-D2-01-03	Advanced <b>digital twins for battery cell production lines</b> (Batt4EU Partnership)	RIA	14,00	7	2	4-5	
HORIZON-CL5-2023-D2-01-04	Battery management system ( <b>BMS</b> ) and battery system design for stationary energy storage systems ( <b>ESS</b> ) to improve interoperability and facilitate the integration of <b>second life batteries</b> (Batt4EU Partnership)	IA	15,00	7,5	2	6-7	LS
HORIZON-CL5-2023-D2-01-05	<b>Hybrid electric energy storage solutions</b> for grid support and charging infrastructure (Batt4EU Partnership)	IA	12,00	6	2	7	
HORIZON-CL5-2023-D2-02-01	Advanced <b>materials and cells</b> development enabling large-scale production of <b>Gen4 solid-state batteries</b> for mobility applications (Batt4EU Partnership)	IA	24,00	8	3	6	
HORIZON-CL5-2023-D2-02-02	New Approaches to Develop Enhanced <b>Safety Materials for Gen 3 Li-Ion</b> Batteries for Mobility Applications (Batt4EU Partnership)	RIA	10,00	5	2	5	
HORIZON-CL5-2023-D2-02-03	Creating a <b>digital passport</b> to track battery materials, optimize battery performance and life, validate recycling, and promote a new business model based on data sharing (Batt4EU Partnership)	IA	8,00	8	1	7	

# Batteries. WP 2024

Topic code	Topic title	ToA	Budget	Budget project	Nº Proj	TRL	LS
HORIZON-CL5-2024-D2-01-01	Advanced sustainable and safe <b>pre-processing</b> technologies for End-of-Life ( <b>EoL</b> ) battery recycling (Batt4EU Partnership)	RIA	21,00	7	3	5	
HORIZON-CL5-2024-D2-01-02	<b>Non-Li Sustainable Batteries with European Supply Chains for Stationary Storage</b> (Batt4EU Partnership)	IA	21,00	7,5	3	6-7	LS
HORIZON-CL5-2024-D2-01-03	Development of <b>technical and business solutions to optimise</b> the circularity, resilience, and sustainability of the <b>European battery value chain</b> (Batt4EU Partnership)	RIA	5,00	5	1	5	
HORIZON-CL5-2024-D2-02-01	Sustainable <b>high-throughput production processes for stable lithium metal anodes</b> for <b>next generation</b> batteries (Batt4EU Partnership)	IA	8,00	8	8	6-7	
HORIZON-CL5-2024-D2-02-02	Post-Li-ion technologies and relevant manufacturing techniques for mobility applications ( <b>Generation 5</b> ) (Batt4EU Partnership)	RIA	15,00	5	5	4	
HORIZON-CL5-2024-D2-02-03	<b>Size &amp; weight reduction of cell and packaging of batteries system</b> , integrating lightweight and functional materials, innovative thermal management and safe and sustainable by design approach (Batt4EU Partnership)	IA	16,00	8	8	6-7	
HORIZON-CL5-2024-D2-02-04	Accelerated <b>multi-physical and virtual testing</b> for battery aging, reliability and safety evaluation (Batt4EU Partnership)	IA	15,00	7,5	7,5	6	

# 2ZERO. Topics

## Evolución



## Battery Electric

## Fuel cell electric vehicles



### BEV

- Vehicle integration of innovative battery technologies
- Vehicle architecture
- Battery management systems and thermal system
- Battery packs and modules
- Power electronic and charging solutions
- Advanced electric motors
- Integration of BEV into the grid

### FCEV

- Electrification of heavy duty vehicles
- Integration of fuel cell systems into vehicles, focusing on heavy duty vehicles
- Synergy of electronics and vehicles architecture with electric vehicles
- Integration of hydrogen components (tank, sensors,...)

## 2Zero 4 pillars

Vehicle technologies and vehicle propulsion solutions for BEV and FCEV

Innovative concepts, solutions and services for the zero emission mobility of people and goods

Integration of the battery electric vehicle into the energy system and related charging infrastructure

LCA and circular economy approaches for sustainable and innovative road mobility solutions

# 2ZERO. WP 2023

Topic code	Topic title	ToA	Budget	Budget project	Nº Proj	TRL	LS
HORIZON-CL5-2023-D5-01-01	User-centric design and operation of <b>EV for optimized energy efficiency</b> (2ZERO Partnership)	IA	15,00	4-5	3	6	
HORIZON-CL5-2023-D5-01-02	Innovative <b>battery management systems</b> for next generation vehicles ( <b>2ZERO &amp; Batt4EU Partnership</b> )	IA	10,00	5	2	6	
HORIZON-CL5-2023-D5-01-03	<b>Frugal zero-emission vehicles concepts</b> for the <b>urban passenger</b> challenge (2ZERO Partnership)	IA	20,00	7-12	2	7-8	
HORIZON-CL5-2023-D5-01-04	<b>Circular economy</b> approaches for zero emission vehicles (2ZERO Partnership)	RIA	12,00	12	1	5	
HORIZON-CL5-2023-D5-01-05	Measuring road transport results towards <b>2ZERO KPIs</b> (2ZERO Partnership)	CSA	1,00	1	1		LS
HORIZON-CL5-2023-D5-01-06	EU Member States/Associated countries <b>research policy cooperation</b> network to accelerate zero-emission road mobility (2ZERO Partnership)	CSA	1,50	1,5	1		LS

# 2ZERO. WP 2024

Topic code	Topic title	ToA	Budget	Budget project	Nº Proj	TRL	LS
HORIZON-CL5-2024-D5-01-01	<b>Smart, low-cost pervasive stationary slow charging and bi-directional</b> solutions synergic with the grid for EV mass deployment (2ZERO Partnership)	IA	15,00	7-8	2	7-8	
HORIZON-CL5-2024-D5-01-02	Integration and testing of next generation <b>post 1200V</b> electric powertrains (2ZERO Partnership)	RIA	15,00	4-6	3	5	
HORIZON-CL5-2024-D5-01-03	<b>Advanced battery system</b> integration for next generation vehicles (2ZERO Partnership)	RIA	10,00	5	2	5	
HORIZON-CL5-2024-D5-01-04	Integrated flexible <b>multipoint megawatt charging systems</b> for <b>electric truck mass</b> deployment (2ZERO Partnership) (2024)	IA	17,00	7-8,5	2	8	
HORIZON-CL5-2024-D5-01-05	Advanced <b>digital development</b> tools to accelerate the development of <b>software defined vehicles</b> that enable zero-emission mobility (2ZERO Partnership)	RIA	10,00	4-5	2	4-5	
HORIZON-CL5-2024-D5-01-06	New designs, shapes, functionalities of <b>Light Commercial Vehicles</b> (2ZERO Partnership)	IA	10,00	10	1	7-8	

# Aviation. WP 2023 & 2024

Topic code	Topic title	ToA	Budget	Budget project	N° Proj	TRL	LS
HORIZON-CL5-2023-D5-01-07	<b>Hydrogen-powered aviation</b>	IA	20,00	8-10	2	6	
HORIZON-CL5-2023-D5-01-08	Accelerating <b>climate neutral hydrogen-powered/electrified</b> aviation	RIA	17,00	3-4	4	2-3	
HORIZON-CL5-2023-D5-01-09	Competitiveness and <b>digital transformation in aviation</b> – advancing further capabilities, digital approach to design	RIA	15,00	3-5	4	2-4	
HORIZON-CL5-2023-D5-01-10	Aviation research synergies between <b>Horizon Europe, AZEA and National programs</b>	CSA	2,00	2	1		LS
HORIZON-CL5-2024-D5-01-07	Accelerating climate neutral aviation, <b>minimising non-CO2 emissions</b>	RIA	17,00	4-5	4	2-4	
HORIZON-CL5-2024-D5-01-08	Competitiveness and <b>digital transformation in aviation</b> – advancing further composite aerostructures	RIA	16,00	3-5	4	2-4	LS
HORIZON-CL5-2024-D5-01-09	Impact <b>monitoring</b> of EU Aviation R&I	RIA	8,00	8	1		
HORIZON-CL5-2024-D5-01-10	Towards a <b>flying testbed</b> for European leadership in aviation	RIA	16,00	16	1	4-5	



# T. health and env. & Cross-cutting. WP 2023 & 2024

Topic code	Topic title	ToA	Budget	Budget project	Nº Proj	TRL	LS
HORIZON-CL5-2023-D5-01-18	Advanced <b>transport emissions monitoring networks</b>	IA	10,00	5	2	7-8	
HORIZON-CL5-2023-D5-01-19	Support for the organisation of EU-US symposia in the field of <b>Transport Research</b>	CSA	0,50	0,5	1		LS
HORIZON-CL5-2024-D5-01-18	Assessment of <b>air pollutant emissions from low-carbon fuels</b> in the heavy-duty, aviation, and maritime sectors	RIA	7,00	3,5	2	5-6	

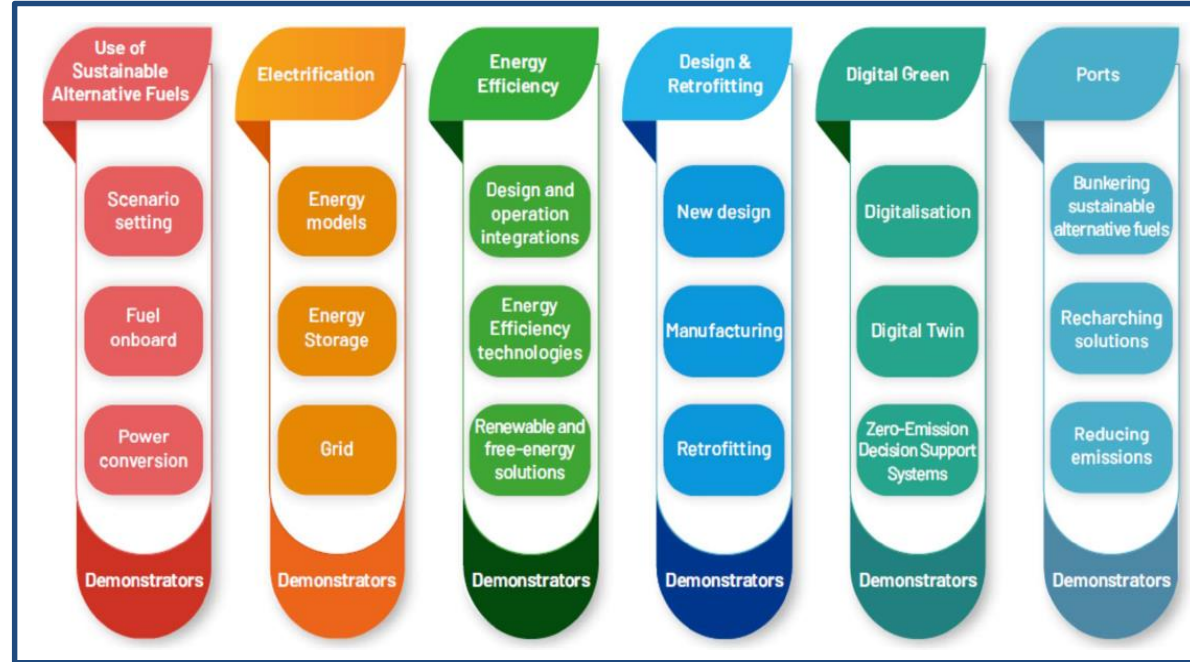
# ZEWT. SRIA

## Operational objectives of the Partnership:

Elimination of **GHG emissions**  
(both for retrofitting as well as new build)

Eliminating **air pollution**

Eliminating **water pollution:**



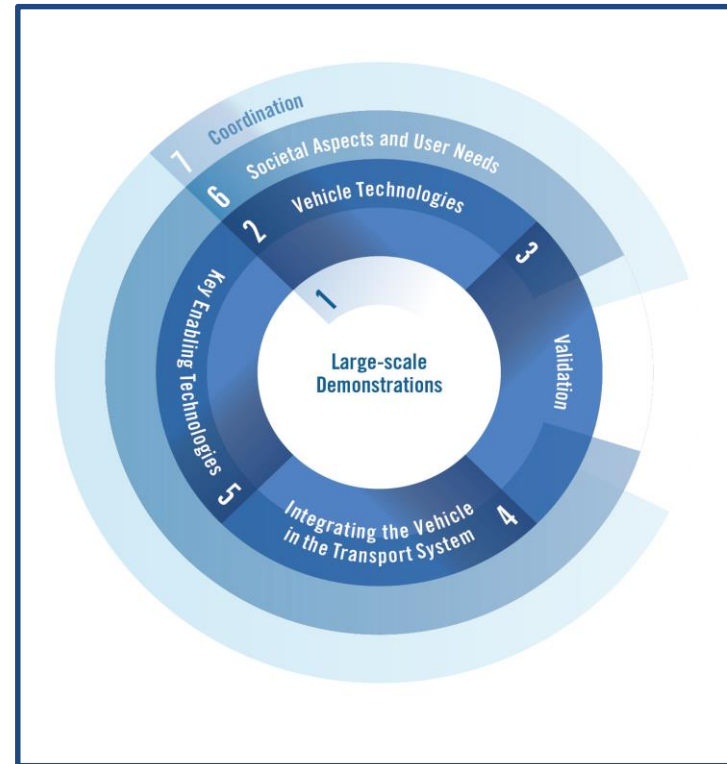
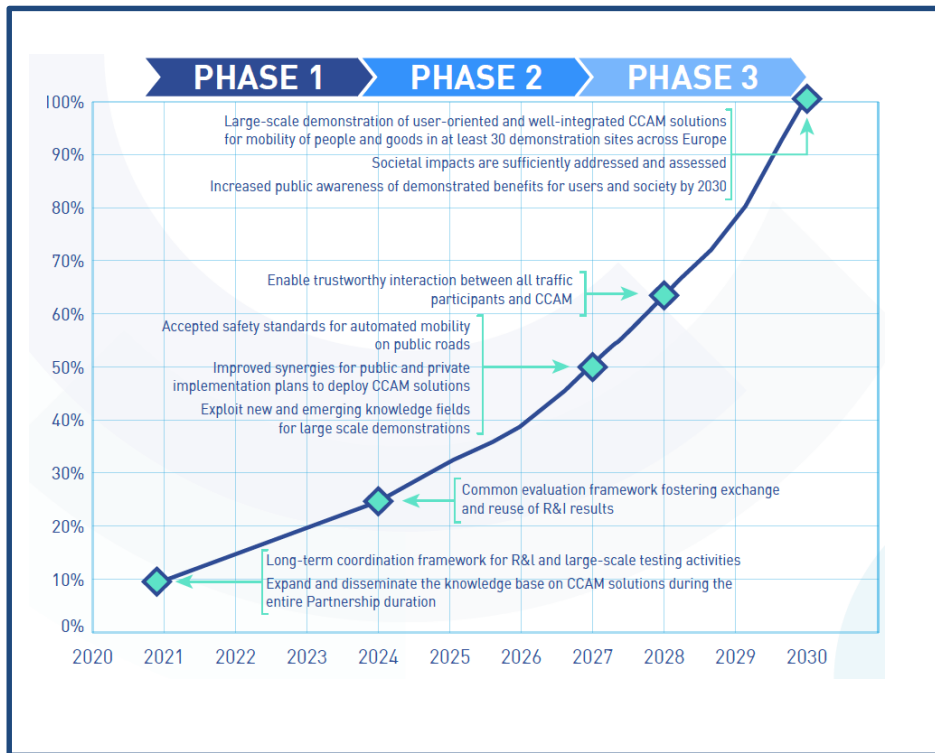
# Waterborne (including ZEWT). WP 2023

Topic code	Topic title	ToA	Budget	Budget project	Nº Proj	TRL	LS
HORIZON-CL5-2023-D5-01-11	Developing the next generation of <b>power conversion technologies for sustainable alternative carbon neutral fuels</b> in waterborne applications ( <a href="#">ZEWT Partnership</a> )	RIA	16,00	8	2	5	
HORIZON-CL5-2023-D5-01-12	<b>Demonstrations</b> to accelerate the switch to safe use of new <b>sustainable climate neutral fuels</b> in waterborne transport ( <a href="#">ZEWT Partnership</a> )	IA	34,00	8-13	3	7-8	
HORIZON-CL5-2023-D5-01-13	Integrated <b>real-time digital solutions to optimise navigation and port calls</b> to reduce emissions from shipping (ZEWT Partnership)	IA	15,00	7,5	2	6-8	
HORIZON-CL5-2023-D5-01-14	Developing a flexible <b>offshore supply of zero emission auxiliary power</b> for ships moored or anchored at sea deployable before 2030 ( <a href="#">ZEWT Partnership</a> )	IA	8,50	8,5	1	6-8	
HORIZON-CL5-2023-D5-01-15	<b>Reducing the environmental impact from shipyards</b> and developing a whole life strategy to measure and minimise the non-operational environmental impacts from shipping	IA	9,00	4,5	2	7-8	
HORIZON-CL5-2023-D5-01-16	Developing small, flexible, zero-emission and <b>automated vessels</b> to support shifting cargo <b>from road to sustainable Waterborne Transport</b>	RIA	9,00	4,5	2	5-6	
HORIZON-CL5-2023-D5-01-17	Towards the implementation of the <b>inland navigation</b> action programme with a focus on Green and Connected Inland Waterway Transport	CSA	1,50	1,5	1		LS

# Waterborne (including ZEWT). WP 2024

Topic code	Topic title	ToA	Budget	Budget project	N° Proj	TRL	LS
HORIZON-CL5-2024-D5-01-11	Achieving <b>high voltage, low weight, efficient electric powertrains</b> for sustainable waterborne transport (ZEWT Partnership)	RIA	15,00	7,5	2	5	
HORIZON-CL5-2024-D5-01-12	Combining state-of-the-art emission reduction and efficiency improvement technologies in <b>ship design and retrofitting for contributing to the "Fit for 55"</b> package objective by 2030 (ZEWT Partnership)	IA	15,00	7,5	2	7	
HORIZON-CL5-2024-D5-01-13	Demonstration of Technologies to minimise <b>underwater noise</b> generated by waterborne transport (ZEWT Partnership)	IA	6,00	6	1	6-8	
HORIZON-CL5-2024-D5-01-14	Demonstrating efficient <b>fully DC</b> electric grids within waterborne transport for <b>large ship applications</b> (ZEWT Partnership)	IA	15,00	7,5	2	6-8	
HORIZON-CL5-2024-D5-01-15	Advanced <b>digitalisation</b> and <b>modelling</b> utilizing <b>operational</b> and other data to support zero emission waterborne transport (ZEWT Partnership)	IA	7,70	7,7	1	6-7	
HORIZON-CL5-2024-D5-01-16	<b>Structuring the Waterborne transport sector</b> , including through changed business and industrial models in order to achieve commercial zero-emission waterborne transport (ZEWT Partnership)	CSA	0,85	0,85	1		LS
HORIZON-CL5-2024-D5-01-17	Coordinating and supporting the combined activities of <b>member and associated states</b> towards the objectives of the Zero Emission Waterborne Transport partnership so as to increase synergies and impact (ZEWT Partnership)	CSA	1,50	1,5	1		LS

# CCAM. SRIA



# CCAM. WP 2023

Topic code	Topic title	ToA	Budget	Budget project	Nº Proj	TRL	LS
HORIZON-CL5-2023-D6-01-01	User-centric development of vehicle technologies and solutions to optimise the <b>on-board experience</b> and ensure inclusiveness (CCAM Partnership)	RIA	8,00	4	2	5	
HORIZON-CL5-2023-D6-01-02	<b>Generation of scenarios for development, training, virtual testing and validation</b> of CCAM systems (CCAM Partnership)	RIA	20	20	1	5	
HORIZON-CL5-2023-D6-01-03	<b>Infrastructure-enabled solutions</b> for improving the continuity or extension of Operational Design Domains ( <b>ODDs</b> ) (CCAM Partnership)	IA	12,00	6	2	6-7	
HORIZON-CL5-2023-D6-01-04	Integrating <b>European diversity</b> in the design, development and implementation of CCAM solutions to support <b>mobility equity</b> (CCAM Partnership)	RIA	8,00	3-4	2		
HORIZON-CL5-2023-D6-01-05	CCAM effects on <b>jobs and education, plans for skills</b> that match the CCAM development, and prerequisites for <b>employment growth</b> (CCAM Partnership)	RIA	2,00	2	1		

## Programa Trabajo Misión Ciudades

HORIZON-MISS-2023-CIT-01-01	Shared zero-emission mobility (2Zero, CCAM and <b>Cities' Mission</b> )	IA	50	2			
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# CCAM. WP 2024

Topic code	Topic title	ToA	Budget	Budget project	Nº Proj	TRL	LS
HORIZON-CL5-2024-D6-01-01	<b>Centralized, reliable, cyber-secure &amp; upgradable</b> in-vehicle electronic control architectures for CCAM connected to the cloud-edge continuum (CCAM Partnership)	RIA	12,00	6	2	5	
HORIZON-CL5-2024-D6-01-02	<b>Scenario-based safety assurance</b> of CCAM and related HMI in a dynamically evolving transport system (CCAM Partnership)	RIA	14,00	14	1	5	
HORIZON-CL5-2024-D6-01-03	<b>Orchestration of heterogeneous actors in mixed traffic</b> within the CCAM ecosystem (CCAM Partnership)	IA	12,00	6	2	6-7	
HORIZON-CL5-2024-D6-01-04	<b>AI</b> for advanced and <b>collective perception and decision</b> making for CCAM applications	RIA	10,00	5	2	5	
HORIZON-CL5-2024-D6-01-05	Robust <b>Knowledge and Know-How</b> transfer for Key-Deployment Pathways and implementation of the EU-CEM (CCAM Partnership)	CSA	4,00	4	1		LS

# Cross cutting. WP 2023 & 2024

Topic code	Topic title	ToA	Budget	Budget project	Nº Proj	TRL	LS
HORIZON-CL5-2023-D6-01-13	Support for dissemination events in the field of <b>Transport Research</b>	CSA	1,50	1,5	1		LS



# Multi. transport, infrastructure and logistics. WP 2023 & 2024

Topic code	Topic title	ToA	Budget	Budget project	N° Proj	TRL	LS
HORIZON-CL5-2023-D6-01-06	Zero-emission <b>e-commerce and freight delivery and return</b> choices by retailers, consumers and local authorities	RIA	6,00	3	2	5	
HORIZON-CL5-2023-D6-01-07	Operational <b>automation</b> to support <b>multimodal freight</b> transport	RIA	8,00	4	2	5	
HORIZON-CL5-2023-D6-01-08	Future-proof <b>GHG</b> and <b>environmental emissions factors</b> for accounting emissions from <b>transport and logistics operations</b>	CSA	3,00	3	1		LS
HORIZON-CL5-2023-D6-01-09	<b>Climate resilient and safe maritime ports</b>	IA	14,00	7	2	7	
HORIZON-CL5-2024-D6-01-06	Optimising <b>multimodal network and traffic management</b> , harnessing data from infrastructures, mobility of passengers and freight transport	RIA	10,00	4-5	2	5	
HORIZON-CL5-2024-D6-01-07	<b>Scaling up logistics innovations</b> supporting <b>freight</b> transport decarbonisation in an affordable way	IA	20,00	10	2	7	
HORIZON-CL5-2024-D6-01-08	<b>Improved transport infrastructure performance</b> – Innovative digital tools and solutions to monitor and improve the management and operation of transport infrastructure	IA	15,00	5	3	7	
HORIZON-CL5-2024-D6-01-09	<b>Policies and governance</b> shaping the future transport and mobility systems	RIA	3,00	3	1		LS

# Safety & Resilience. WP 2023 & 2024

Topic code	Topic title	ToA	Budget	Budget project	Nº Proj	TRL	LS
HORIZON-CL5-2023-D6-01-10	Better <b>infrastructure safety</b> on <b>urban</b> and <b>secondary rural roads</b> throughout a combination of adaptable monitoring and maintenance solutions	RIA	10,00	5	2	5-6	
HORIZON-CL5-2023-D6-01-11	<b>Aviation safety - Uncertainty</b> quantification for safety and risk management	RIA	8,00	4	2	3-5	
HORIZON-CL5-2023-D6-01-12	New ways of <b>reducing serious injuries and the long-term</b> consequences of <b>road crashes</b>	RIA	8,00	4	2	5-6	
HORIZON-CL5-2024-D6-01-10	Ensuring the safety, resilience and security of <b>waterborne digital</b> systems	RIA	8,50	4	2	5-6	
HORIZON-CL5-2024-D6-01-11	Effects of <b>disruptive changes in transport</b> : towards resilient, safe and energy efficient mobility	RIA	7,00	3-3,5	2		LS
HORIZON-CL5-2024-D6-01-12	A new <b>framework to improve traffic safety in the EU</b> , with reduced energy dependency of transport and use of private cars	RIA	7,00	3,5	2		LS

# Cluster 5. Resultados preliminares (NO OFICIAL)

## Global

Cluster 5. Global Results

**ES:**  
**2º Retorno (14,2 % UE)**  
**1º Proyectos Coordinados**

Destination 1 - Climate sciences and responses for the transformation towards climate neutrality

Destination 2 - Cross-sectoral Solutions for the Climate Transition

Destination 3 - Sustainable, Secure and Competitive Energy Supply

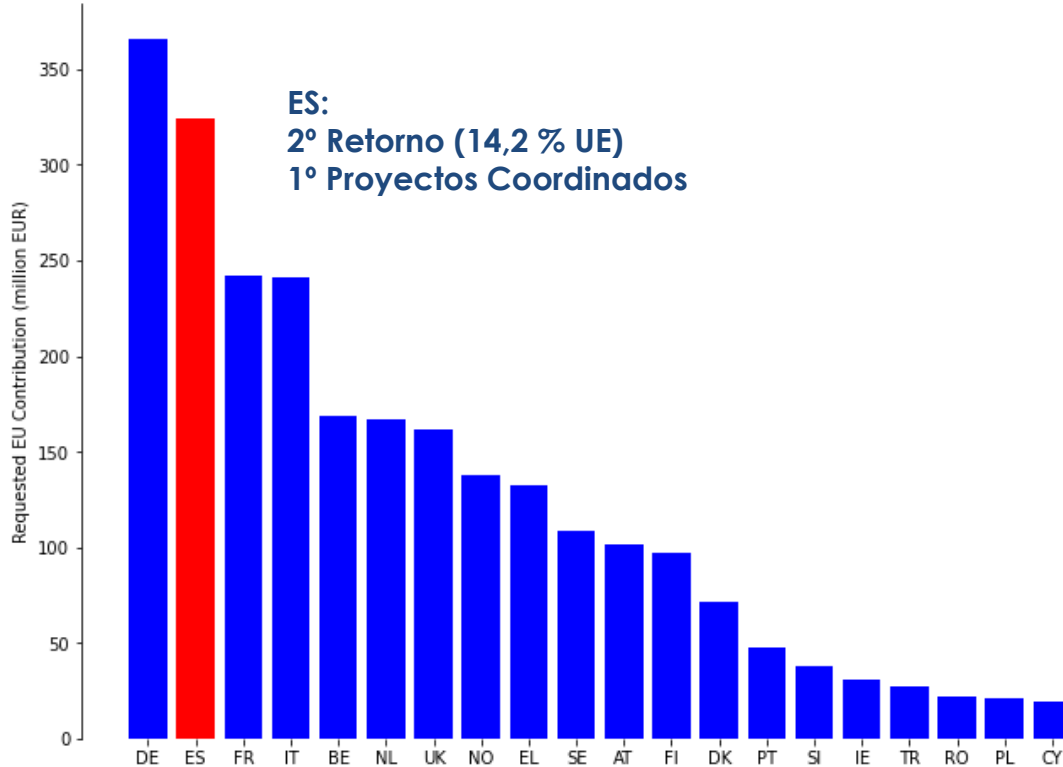
Destination 4 - Efficient, Sustainable and Inclusive Energy Use

Destination 5 - Clean and Competitive Solutions for All Transport Modes

Destination 6 - Safe, Resilient Transport and Smart Mobility Services for Passengers and Goods

### Liderazgo Proyectos

<b>ES</b>	<b>79</b>
IT	42
BE	39
DE	30
FR	29



# Cluster 5. Resultados preliminares (NO OFICIAL)

## D5 y D6 (Movilidad)

Cluster 5. Mobility Results

Destination 5 - Clean and Competitive Solutions for All Transport Modes

Destination 6 - Safe, Resilient Transport and Smart Mobility Services for Passengers and Goods

HORIZON-CL5-2021-D5-01

HORIZON-CL5-2021-D6-01

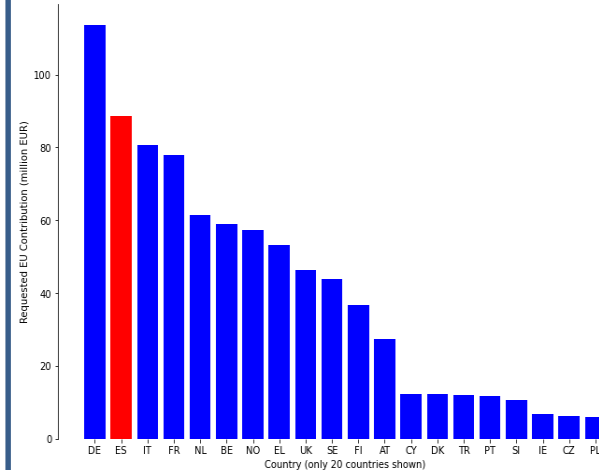
HORIZON-CL5-2022-D5-01

HORIZON-CL5-2022-D6-01

HORIZON-CL5-2022-D6-02

### Liderazgo Proyectos

<b>ES</b>	<b>20</b>
DE	15
BE	15
EL	14



HORIZONTE  
EUROPA

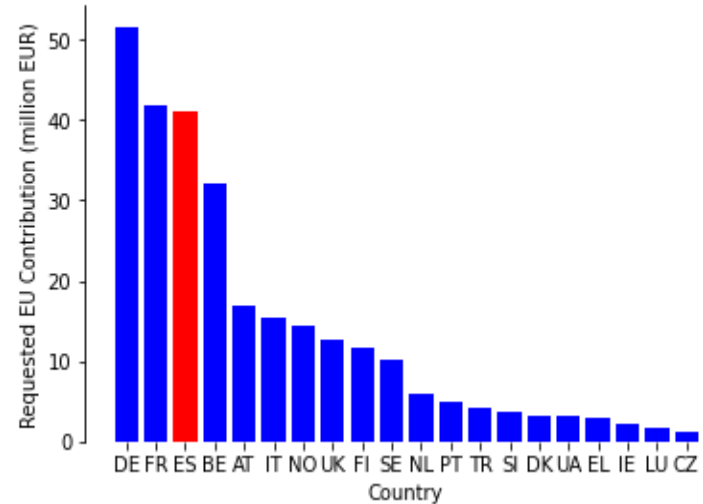


## Baterías

### Destination 2 - Cross-sectoral Solutions for the Climate Transition Batteries

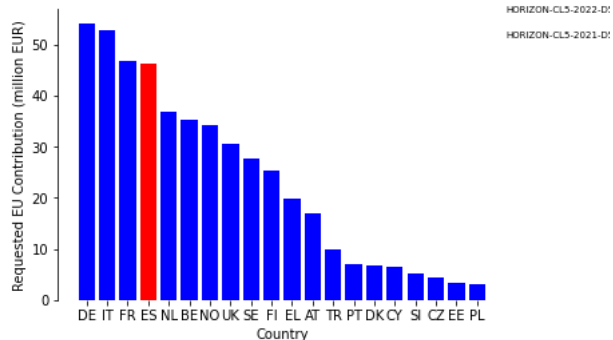
HORIZON-CL5-2022-D2-01

HORIZON-CL5-2021-D2-01

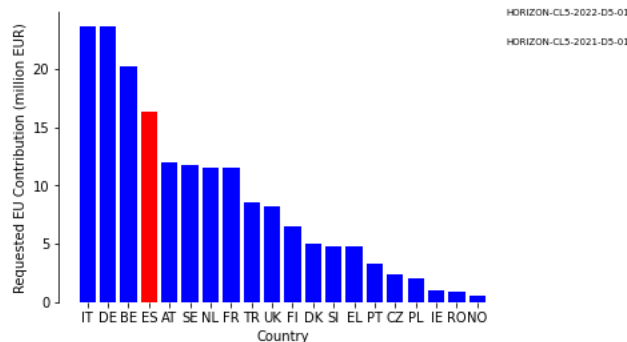


# Cluster 5. Resultados preliminares (NO OFICIAL)

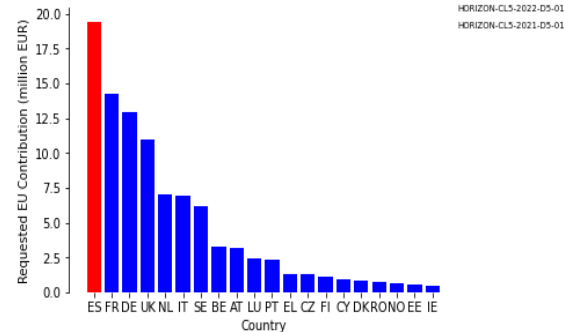
Destination 5 - Clean and Competitive Solutions for All Transport Modes



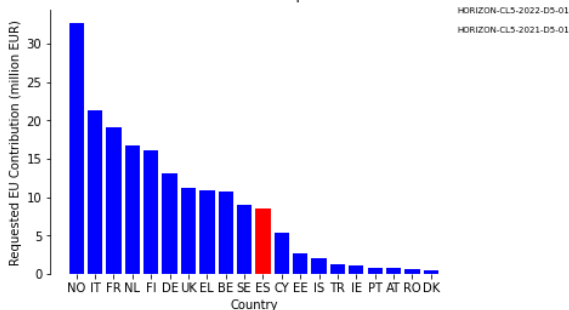
Destination 5 - Clean and Competitive Solutions for All Transport Modes  
ZZERO



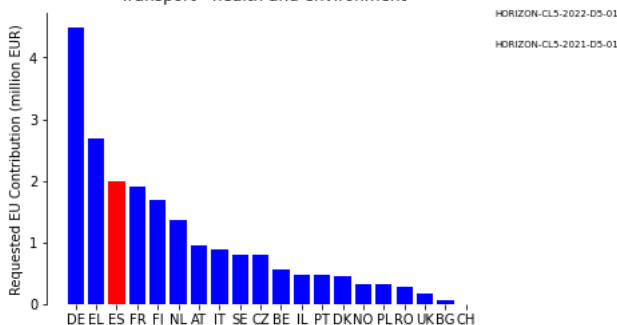
Destination 5 - Clean and Competitive Solutions for All Transport Modes  
Aviation



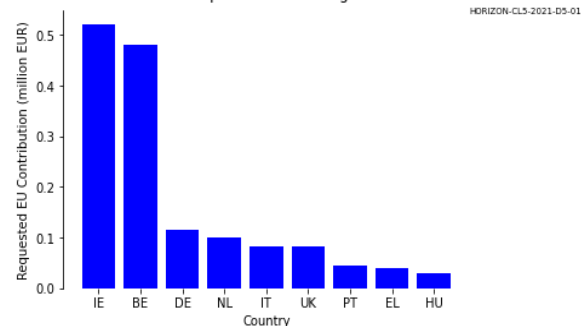
Destination 5 - Clean and Competitive Solutions for All Transport Modes  
Waterborne transport



Destination 5 - Clean and Competitive Solutions for All Transport Modes  
Transport - health and environment



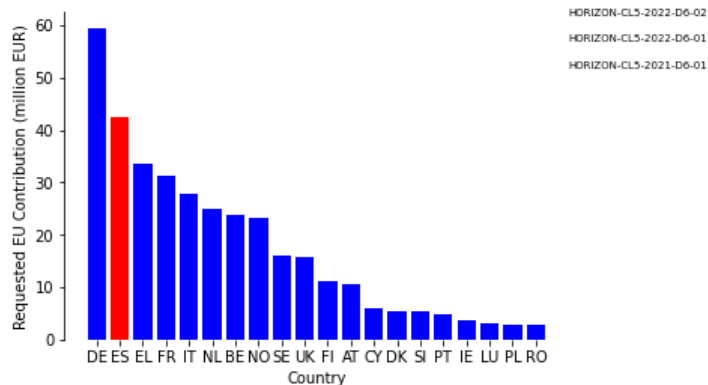
Destination 5 - Clean and Competitive Solutions for All Transport Modes  
Transport - cross-cutting



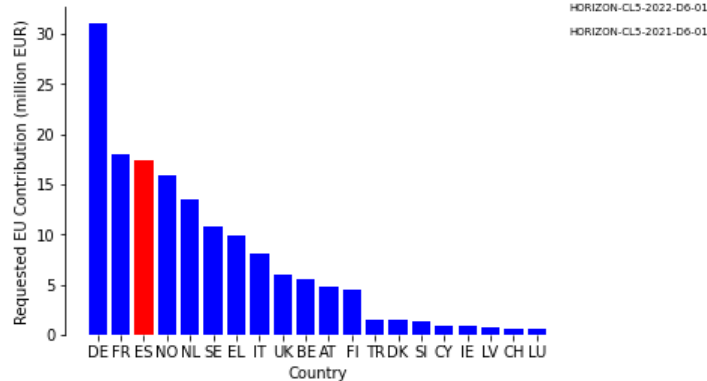
**Notas:** Resultados de evaluación propuestas anteriores G. Agreements. UK EU Contribution en G. Agreements deberá ser nula / Representado solo 20 mayores países con Req. EU Contribution

# Cluster 5. Resultados preliminares (NO OFICIAL)

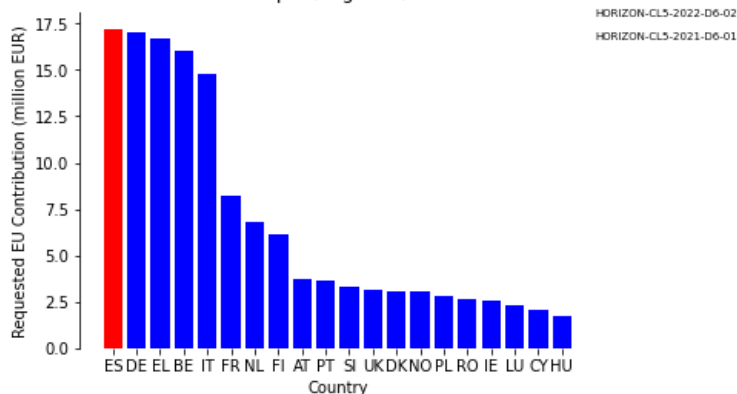
Destination 6 - Safe, Resilient Transport and Smart Mobility Services for Passengers and Goods



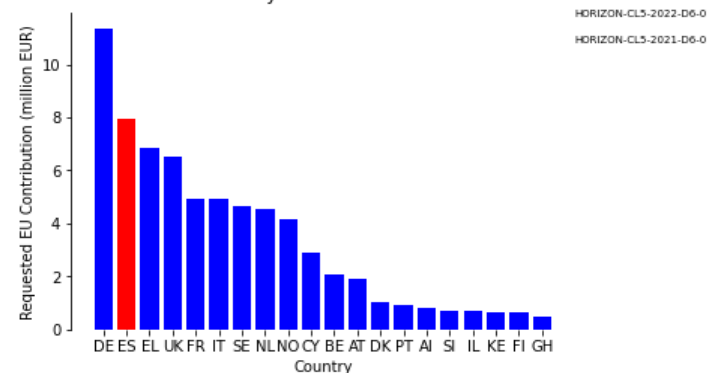
Destination 6 - Safe, Resilient Transport and Smart Mobility Services for Passengers and Goods  
CCAM



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



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



**Notas:** Resultados de evaluación propuestas anteriores G. Agreements. UK EU Contribution en G. Agreements deberá ser nula / Representado solo 20 mayores países con Req. EU Contribution

# Cluster 5. Consejos finales

## Perfecto encaje en topic

Workprogramme + General Introduction + Strategic Plan 2021/2024

Movilidad: Budget WP 2023/2024 < Budget WP 2021/2022 Competencia

Policies / Estrategias sectoriales

Topic multidisciplinares. Consorcio / Otras redes NCPs (NMBP: Batteries, etc)

## Warnings

Lump Sum (novedad Movilidad, no en Rail).

Limites de páginas

Piloto 60% IA Empresas Privadas Partenariados Coprogramados

Fuente datos navegación: GPS, warning.

Criterios ordenación propuestas mismas puntuación: General Annexes

## Topics Partneariados co programados

Abiertos a entidades que sean miembros y entidades que NO son miembros

Valorad participación.

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

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 (común): 91.581.55.62



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