



MINISTÈRE  
DE L'ENSEIGNEMENT  
SUPÉRIEUR,  
DE LA RECHERCHE  
ET DE L'INNOVATION

*Liberté  
Égalité  
Fraternité*



# Le programme européen pour la recherche et l'innovation



# Webinaire d'information Cluster 5 – Destinations 5 & 6

## Les appels à projets 2022 sur le thème du transport terrestre (pôle ID4CAR)

Jean-Marc Zaccardi, Thilo Schönfeld, PCN Transport

10 février 2022



# HORIZON EUROPE

## Funding Opportunities



### CLIMATE



### MOBILITY



### ENERGY



Budget available

**€1.21 BILLION**

for CLIMATE, ENERGY  
and MOBILITY topics

## HORIZON EUROPE

## EURATOM

**Budget  
total  
95,5 Md€**  
*(en € courants)*

**Cluster 5  
15,1 Md€**

Pas de ventilation  
officielle à l'échelle du  
cluster

### SPECIFIC PROGRAMME: EUROPEAN DEFENCE FUND

*Exclusive focus on  
defence research  
& development*

Research  
actions

Development  
actions

### SPECIFIC PROGRAMME IMPLEMENTING HORIZON EUROPE & EIT

*Exclusive focus on civil applications*



**Pillar I  
EXCELLENT SCIENCE**

European Research Council

Marie Skłodowska-Curie

Research Infrastructures

**25 Md€**



**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

**53.5 Md€**



**Pillar III  
INNOVATIVE EUROPE**

European Innovation  
Council

European Innovation  
Ecosystems

European Institute of  
Innovation & Technology\*

**13.6 Md€**

### WIDENING PARTICIPATION AND STRENGTHENING THE EUROPEAN RESEARCH AREA

Widening participation & spreading excellence

Reforming & Enhancing the European R&I system

**3.4 Md€**

Fusion

Fission

Joint  
Research  
Center

\* The European Institute of Innovation & Technology (EIT) is not part of the Specific Programme



# Cluster 5 – Les destinations

## Destination 1 – Climate science

Climate science

## Destination 2 – Cross-cutting solutions

Batteries

Cities

Breakthrough  
technologies

Citizen and  
stakeholder  
engagement

## Destination 3 – Energy supply

Renewable  
energy

Energy system,  
grids and  
storage

CCUS

Cross-cutting  
activities

## Destination 4 – Energy demand

Buildings

Industry

## PCN Transport

### Destination 5 - Clean and competitive solutions for all transport modes

Zero-emission  
road transport

Aviation

Waterborne  
transport

Transport-  
related health  
and  
environmental  
issues

### Destination 6 - Transport and Smart Mobility services

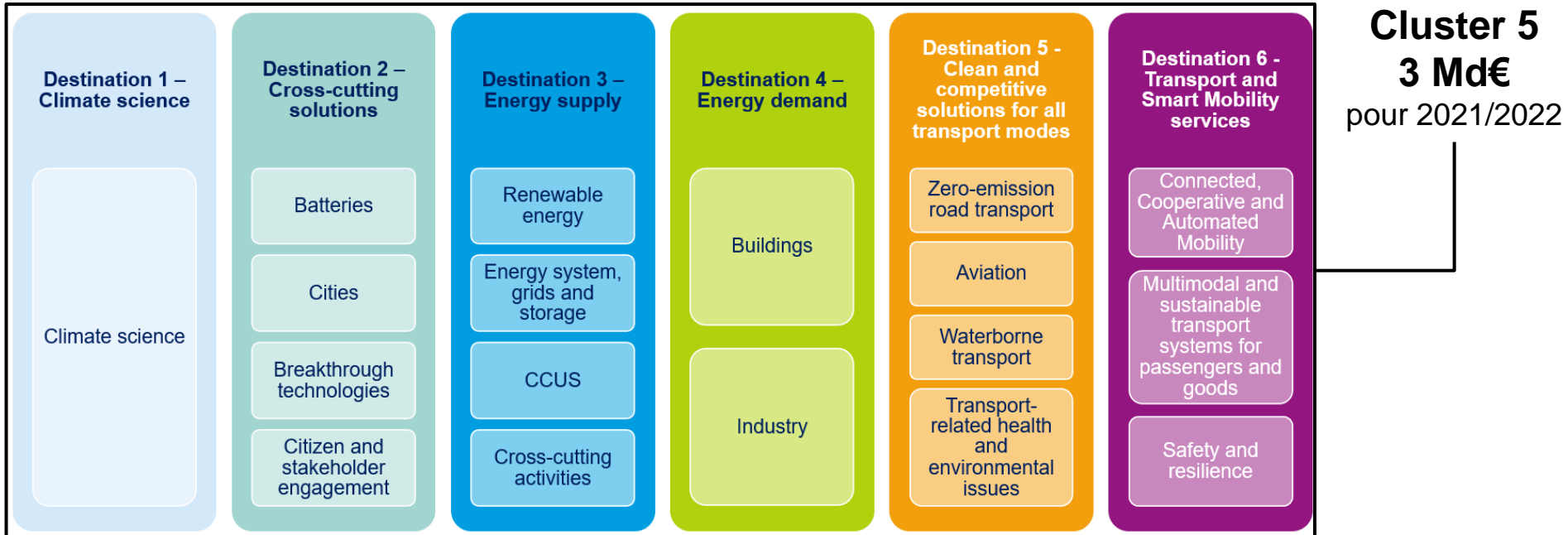
Connected,  
Cooperative and  
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Mobility

Multimodal and  
sustainable  
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systems for  
passengers and  
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Safety and  
resilience

Programme de travail 2021/2022 du cluster 5 [ici](#)

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**Cluster 5**  
**3 Md€**  
pour 2021/2022

↓  
**Dest. 5**  
**253 M€**  
pour 2022

Programme de travail 2021/2022 du cluster 5 [ici](#)

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## Cluster 5 3 Md€

pour 2021/2022

↓  
**Dest. 5  
253 M€**

pour 2022

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**2ZERO  
105 M€**

pour 04.2022

Programme de travail 2021/2022 du cluster 5 ici



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**Cluster 5**  
**3 Md€**

pour 2021/2022



**Dest. 6**  
**213 M€**

Pour 2022



**CCAM**  
**88 M€**

Pour 01.2022

Programme de travail 2021/2022 du cluster 5 ici

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## Cluster 5 3 Md€

pour 2021/2022



## Dest. 6 213 M€

Pour 2022



## Safety (road) 13 M€

Pour 01.2022

Programme de travail 2021/2022 du cluster 5 ici



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**Dest. 6**  
**213 M€**

Pour 2022



**Multim.**  
**91 M€**

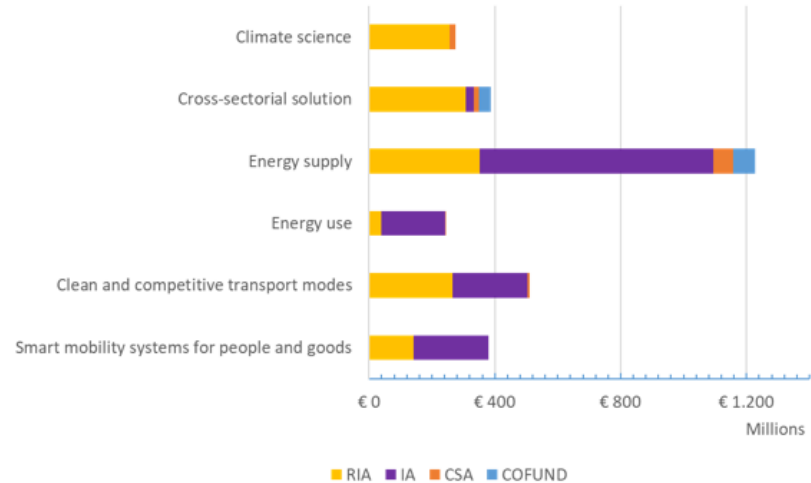
Pour 09.2022

Programme de travail 2021/2022 du cluster 5 ici

## Programme 2021/2022 et budgets

	Budget (Mio €)	Share of total	Number of topics	Share of total
Climate science	274.0	9%	17	9%
Cross-sectorial solution	387.5	13%	25	13%
Energy supply	1226.3	40%	67	36%
Energy use	244.0	8%	18	10%
Clean and competitive transport modes	511.0	17%	31	17%
Smart mobility systems for people and goods	380.0	13%	28	15%
<b>TOTAL</b>	<b>3022.8</b>		<b>186</b>	

EU contribution per Destination and type of action  
(2021-2022, in Mio EUR)



**Résultats des évaluations** de l'appel 2021 Cluster 5 – Destination 5,  
« HORIZON-CL5-2021-D5-01 – XX », clôturé le 14 septembre 2021

**Taux de succès** (en nombre, en comptant seulement les dossiers évalués, c'est-à-dire en écartant les dossiers inéligibles)

Au total sur le call : 135 propositions reçues (dont 3 inéligibles) → 132 projets évalués / 37 retenus soit **28%**

- 2ZERO (topics 01 à 04) : 38 évaluées / 10 retenues soit 26%
- Aviation (topics 05 et 06) : 55 évaluées / 10 retenues soit 18%
- Maritime (topics 07 à 14) : 32 évaluées / 13 retenues soit 40%
- Impact sur santé / environnement (topics 15 et 16) : 6 évaluées / 3 retenues soit 50%
- Autres (topic 17) : 1 évaluée / 1 retenue soit 100 %

## Appels à projets 2021 de la destination 5

Topic	Number of proposals received	Number of expected grants	Number of accepted grants
HORIZON-CL5-2021-D5-01-01 (2ZERO, IA)	3	3	1
HORIZON-CL5-2021-D5-01-02 (2ZERO, RIA)	19 (dont 1 inéligible)	4	5
HORIZON-CL5-2021-D5-01-03 (2ZERO, RIA)	16	3	3
HORIZON-CL5-2021-D5-01-04 (2ZERO, CSA)	1	1	1
HORIZON-CL5-2021-D5-01-15 (santé, IA)	4 (dont 1 inéligible)	2	2
HORIZON-CL5-2021-D5-01-16 (santé, RIA)	3	1	1
<b>total</b>	<b>46</b>	<b>14</b>	<b>13</b>

***Les résultats des appels à projets 2021 de la destination 6 ne sont pas encore connus***

## Appels à projets 2022 – Destination 5 (date limite : 26 avril 2022)

- 2022-D5-01-08 : Modular multi-powertrain zero-emission systems for HDV (BEV and FCEV) for efficient and economic operation
  - 2ZERO, IA (TRL 7-8), 58M€, 15-20M€/projet
- 2022-D5-01-09 : Nextgen EV components: High efficiency and low cost electric motors for circularity and low use of rare resources
  - 2ZERO, RIA (TRL 5-7), 20M€, 3-6M€/projet
- 2022-D5-01-10 : New generation of full electric urban and peri-urban Bus Rapid Transit systems to strengthen climate-friendly mass transport
  - 2ZERO, IA (TRL 7-8), 25M€, 20-25M€/projet
- 2022-D5-01-11 : Stimulating Road Transport research and innovation dissemination and implementation in Europe and around the World
  - CSA, 2M€, 2M€/projet

## Appels à projets 2022 – Destination 6 (date limite : 6 septembre 2022)

- 2022-D6-02-01 : Logistics networks integration and harmonisation through operational connectivity to optimise freight flows and drive logistics to climate neutrality
  - Multimodal, IA (TRL 6-7), 15M€, 7-8M€/projet
- 2022-D6-02-02 : Urban logistics and planning: anticipating urban freight generation and demand including digitalisation of urban freight
  - Multimodal, IA, 15M€, 7-8M€/projet
- 2022-D6-02-03 : Smart enforcement for resilient, sustainable and more efficient transport operations
  - Multimodal, RIA, 8M€, 4M€/projet
- 2022-D6-02-04 : Accelerating the deployment of new and shared mobility services for the next decade
  - Multimodal, IA (TRL 7-8), 20M€, 8-10M€/projet

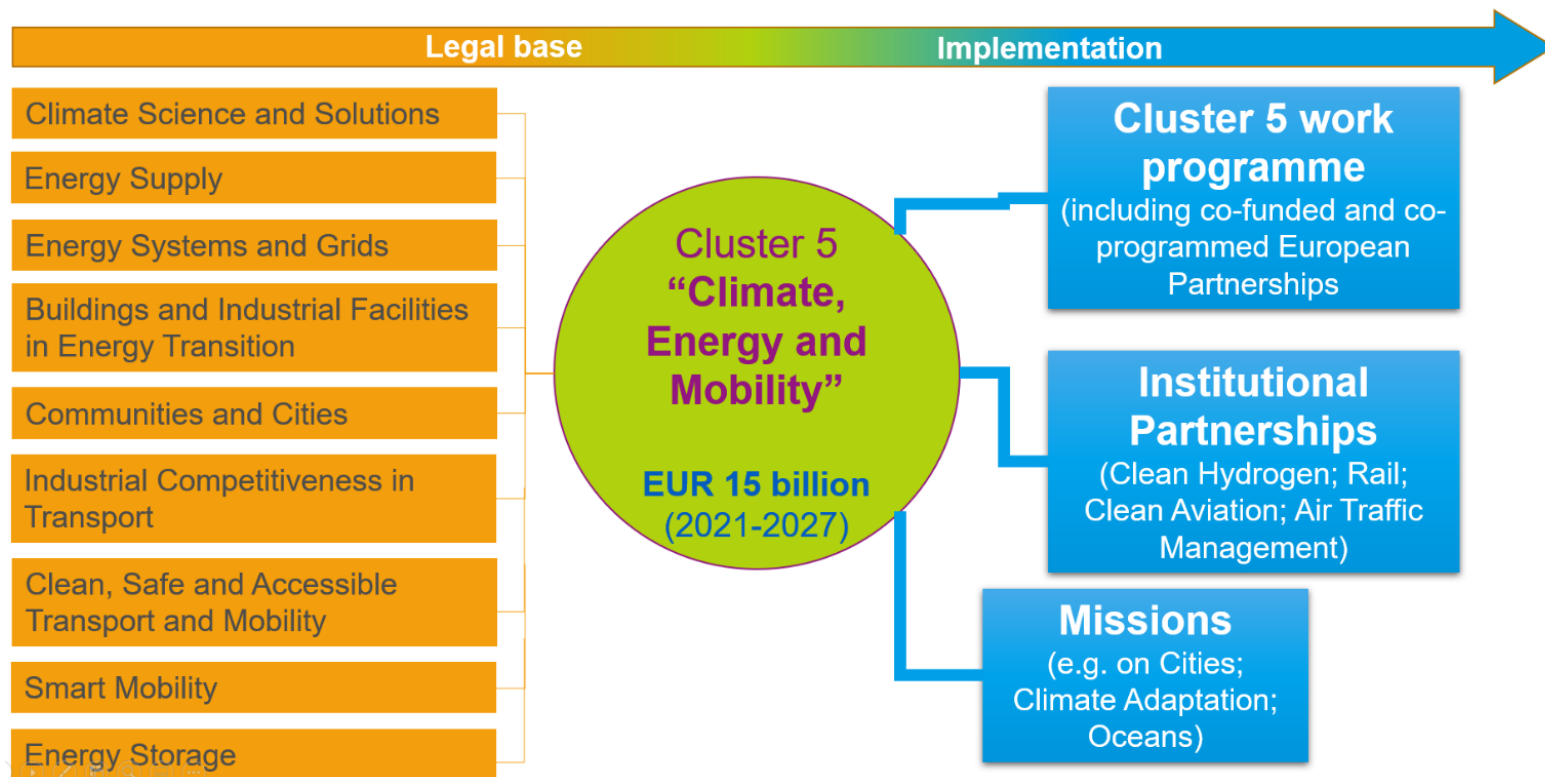


## Appels à projets 2022 – Destination 6 (date limite : 6 septembre 2022)

- 2022-D6-02-05 : Advanced multimodal network and traffic management for seamless door-to-door mobility of passengers and freight transport
  - Multimodal, RIA (TRL 5-6), 15M€, 4-5M€/projet
- 2022-D6-02-06 : Smart and efficient ways to construct, maintain and decommission with zero emissions from transport infrastructure
  - Multimodal, IA (TRL 7), 10M€, 5M€/projet
- 2022-D6-02-07 : New concepts and approaches for resilient and green freight transport and logistics networks against disruptive events (including pandemics)
  - Multimodal, RIA, 8M€, 4M€/projet



# Cluster 5 – Mission Ville



## Appels à projets 2022 – Mission Ville orientée « transport »

- HORIZON-MISS-2021-CIT-02-02 : Libérer le potentiel d'innovation des transports publics comme épine dorsale de la mobilité urbaine (**26 Avril 2022**, IA, 40M€, 12-20M€/projet)
  - Améliorer l'offre globale de transport public et son attractivité
  - Promouvoir l'utilisation accrue des transports publics urbains
  - Comprendre/déclencher un changement de comportement envers les transports publics
  - Comprendre les dépendances entre transports publics et modes de déplacement actifs
  - Mettre en place ou actualiser un cadre politique local pour les transports publics

## Appels à projets 2022 – Mission Ville orientée « transport »

- HORIZON-MISS-2022-CIT-01-01: Concevoir une mobilité urbaine inclusive, sûre, abordable et durable (**06 Septembre 2022**, IA, 42M€, 8-12M€/projet)
  - Accroître l'ampleur et la rapidité de solutions de mobilité urbaine sûres, abordables et durables, innovantes
  - Promouvoir une mobilité zéro émission, partagée, active et « centrée sur l'homme » (sécurité routière et sentiment d'insécurité, pollution atmosphérique et sonore)
  - Rééquilibrer l'attribution de l'espace public aux différents modes de transport (moins de voitures, plus de vélos, de marche, de transport publics)
  - Répondre aux besoins de divers groupes (par exemple, les femmes, les enfants, les personnes handicapées et les personnes âgées)

## Infoday (passé) sur les appels à projets 2022 du Cluster 5 « Climat, énergie, mobilité »

- Revoir les présentations sur la [page web de l'évènement](#)

## European Conference H2020 Road Transport Research, 29 et 30 mars 2022, Bruxelles

- Organisé par la CE, ERTRAC, 2ZERO, et CCAM
- Agenda et inscription [ici](#)



## Le site officiel du MESRI dédié à Horizon Europe

- <https://www.horizon-europe.gouv.fr/transports>
- Revoir les webinaires organisés par le MESRI pour le lancement de Horizon Europe [ici](#)
- Ressources juridiques et financières : <https://www.horizon-europe.gouv.fr/ressources-juridiques-et-financieres-24384>

### [pcn-transport@recherche.gouv.fr](mailto:pcn-transport@recherche.gouv.fr)

- Pour toutes vos questions sur la thématique « transport »
- Pour vous inscrire à notre liste de diffusion