



Flagship-pilot: large-scale demonstrations of CCAM

HORIZON-CL5-2026-10-D6-01

Program:	Horizon Europe Cluster 5.
Típus:	Innovation Action
TRL szint:	7-8
Támogatás projektenként:	100M EUR
Támogatott projektek száma:	1
Pályázati felület megnyílik:	04 Jun 2026
Beadási határidő:	08 Oct 2026
Felhívás linkje:	Link

This flagship pilot is the culmination of the entire activity catalogue carried out by the CCAM Partnership since its launch in 2021. It will combine in one project the most promising CCAM use-cases across three key domains, with the technological advancements from all its R&I clusters supporting and enabling CCAM systems and services towards market uptake.

CCAM aims to create a safer, more inclusive, and sustainable mobility system by reducing congestion, emissions, and enhancing transport efficiency. It can improve integration with public transport and logistics while boosting productivity through higher automation levels. To demonstrate these benefits, large-scale testing is essential, including validation of enabling vehicle technologies, trusted communication, cybersecurity, and real-time data exchange. Assessing the maturity of automated driving in mixed traffic and confined areas is also key to ensure readiness for deployment. These efforts support the smooth, zero-emission integration of CCAM across the transport system.

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Geopolitical competition and socioeconomic resilience in CCAM: an innovation and policy roadmap for EU leadership

HORIZON-CL5-2026-10-D6-02

Program:	Horizon Europe Cluster 5.
Típus:	Research & Innovation Action
TRL szint:	5-6
Támogatás projektenként:	4M EUR
Támogatott projektek száma:	1
Pályázati felület megnyílik:	04 Jun 2026
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CCAM is a key area of global competition and one of the five pillars of the European Automotive Action Plan for the automotive sector, aimed at helping the industry regain its leadership in the shift towards smarter (AI-powered), cleaner, and more connected vehicles. However, CCAM deployment is shaped by evolving geopolitical dynamics, rapid technological advancements, and economic uncertainties. Europe must secure its leadership in CCAM and strengthen its socioeconomic resilience by continuously addressing vulnerabilities and identifying robust pathways for policy development and market deployment. This topic will assess the global geopolitical landscape of CCAM innovation, map future pathways, and develop evidence-based strategies for policymakers, businesses, and investors. The results will support robust, future-proof policies, business strategies, and investment frameworks, ensuring a resilient, inclusive, and competitive European CCAM ecosystem.

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Generative AI for smarter CCAM: enhancing perception, decision-making, and validation

HORIZON-CL5-2026-10-D6-03

Program:	Horizon Europe Cluster 5.
Típus:	Innovation Action
TRL szint:	5-6
Támogatás projektenként:	7M EUR
Támogatott projektek száma:	2
Pályázati felület megnyílik:	04 Jun 2026
Beadási határidő:	08 Oct 2026
Felhívás linkje:	Link

Level 3 and 4 automated vehicle pilots face key challenges in real-time perception and decision-making, particularly in complex urban settings where low-latency, energy-efficient, and secure solutions are essential for responsiveness, scene understanding, and safe interaction with vulnerable road users (VRUs).

Reducing onboard processing demands while ensuring reliability, privacy, and scenario prediction is critical. Emerging technologies like Generative AI (GenAI) offer promising tools, such as virtual edge case generation for development and testing of CCAM systems.

Further work is needed to develop, validate, and scale GenAI applications tailored to CCAM. Proposed actions should focus on advancing ultra-safe, energy-efficient, and scalable real-time systems using low-latency and distributed computing, supporting the broader adoption of AI in Europe's mobility sector.

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Holistic solutions for CCAM integration in critical scenarios

HORIZON-CL5-2027-06-D6-04

Program:	Horizon Europe Cluster 5.
Típus:	Research & Innovation Action
TRL szint:	5-6
Támogatás projektenként:	5.5M EUR
Támogatott projektek száma:	1
Pályázati felület megnyílik:	03 Jun 2027
Beadási határidő:	07 Oct 2027
Felhívás linkje:	Link

This call focuses on CCAM solutions for critical, high-risk, and less frequent situations, such as extreme weather, road incidents, cyberattacks, or sudden loss of Operational Design Domain (ODD) coverage. These disturbances can affect CCAM operations differently depending on road type, infrastructure, traffic, and incident scale.

It takes a holistic approach by addressing not only technical and vehicle-related aspects, but also the roles of users, service providers, authorities, and cities. The goal is to ensure CCAM systems can respond safely, securely, and effectively, minimizing risks such as safety threats, emissions, and loss of public trust.

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European CCAM knowledge hub and tools for safe and scalable deployment

HORIZON-CL5-2027-06-D6-05

Program:	Horizon Europe Cluster 5.
Típus:	Coordination & Support Action
TRL szint:	-
Támogatás projektenként:	4M EUR
Támogatott projektek száma:	1
Pályázati felület megnyílik:	03 Jun 2027
Beadási határidő:	07 Oct 2027
Felhívás linkje:	Link

Several coordination tools and initiatives, such as the FAME project, support the alignment and international outreach of CCAM activities. FAME developed a European framework for CCAM testing, evaluation, and data sharing, along with a Knowledge Base to support researchers, policymakers, and industry. This will be extended to better address public authorities and citizens. Regular events (e.g. EUCAD) and collaborations with groups like the SRG help align CCAM efforts at European and global levels. Despite regulatory progress—such as the EU Implementing Act and UNECE guidelines—fragmentation across countries remains a major barrier to large-scale deployment. Projects like Hi-Drive, HEADSTART, SUNRISE, and SYNERGIES work toward harmonizing testing and safety assessment frameworks. Continued coordination is essential to support unified approval procedures and accelerate CCAM deployment across Europe.

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Increasing competitiveness and resilience of multimodal freight transport and logistics for competitive supply chains

HORIZON-CL5-2026-10-D6-06

Program:	Horizon Europe Cluster 5.
Típus:	Innovation Action
TRL szint:	7-8
Támogatás projektenként:	7M EUR
Támogatott projektek száma:	3
Pályázati felület megnyílik:	04 Jun 2026
Beadási határidő:	08 Oct 2026
Felhívás linkje:	Link

Freight transport demand in Europe is expected to double in the coming decades, making it essential to enhance the capacity, efficiency, and resilience of freight transport to maintain the European competitiveness. Despite policy goals to strengthen multimodal transport, double rail freight's share by 2050, and increase transport by inland waterways and short sea shipping by 50% by 2050, unimodal road transport remains more competitive, and the growth of multimodal freight has been limited. The lack of integration of rail, inland waterways and multimodal data into logistics and supply chain solutions is one of the main barriers, hindering the efficient and competitive adoption of multimodality. Furthermore, improving system resilience requires better tools and solutions for multimodal operators to manage disruptions and ensure supply chain continuity.

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Supporting sustainable and smart urban mobility in Europe

HORIZON-CL5-2026-10-D6-07

Program:	Horizon Europe Cluster 5.
Típus:	Coordination and Support Action
TRL szint:	-
Támogatás projektenként:	4M EUR
Támogatott projektek száma:	1
Pályázati felület megnyílik:	04 Jun 2026
Beadási határidő:	08 Oct 2026
Felhívás linkje:	Link

Efficient and sustainable urban mobility is essential for competitive, climate-neutral cities, with local and regional authorities playing an increasingly important role in the EU's green and digital transitions. However, innovation uptake is hindered by fragmented support, limited resources for testing new approaches, lack of access to research results, and weak knowledge exchange among urban stakeholders. This coordination and support action aims to tackle these barriers through a comprehensive, collaborative approach, enhancing knowledge sharing, stakeholder engagement, and the broader uptake of innovative mobility solutions across Europe

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Enhancing Mobility for All: affordable, reliable, and accessible multimodal transport for inclusive rural and urban connectivity – Societal Readiness pilot

HORIZON-CL5-2027-06-D6-08

Program:	Horizon Europe Cluster 5.
Típus:	Innovation Action
TRL szint:	7-8
Támogatás projektenként:	7M EUR
Támogatott projektek száma:	3
Pályázati felület megnyílik:	03 Jun 2027
Beadási határidő:	07 Oct 2027
Felhívás linkje:	Link

EU policies, such as the Sustainable and Smart Mobility Strategy and the European Green Deal, emphasise the need for inclusive, efficient, and sustainable transport systems that leave no one behind. Transport poverty refers to individuals' and households' inability or difficulty to meet the costs of private or public transport, or their lack of or limited access to transport needed for their access to essential socioeconomic services and activities. Considering the national and spatial context, transport poverty affects both rural and underserved urban areas. Addressing this challenge requires innovative multimodal transport solutions which integrate various modes efficiently, leveraging digitalisation, shared mobility, and demand-responsive transport to enhance affordability, reliability, and accessibility, thereby ensuring Mobility as a Right.

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Road Safety and resilience of rural areas

HORIZON-CL5-2026-10-D6-09

Program:	Horizon Europe Cluster 5.
Típus:	Innovation Action
TRL szint:	6-7
Támogatás projektenként:	6M EUR
Támogatott projektek száma:	2
Pályázati felület megnyílik:	04 Jun 2026
Beadási határidő:	08 Oct 2026
Felhívás linkje:	Link

Over 50% of EU road fatalities occur on rural roads, highlighting the urgent need to address rural road safety to achieve Vision Zero by 2050. Local and regional authorities play a key role in reducing fatalities and serious injuries. The Road Infrastructure Safety Management (RISM) Directive introduced network-wide and in-built safety assessments to better understand risks beyond crash hotspots, though current methodologies mostly cover motorways and primary rural roads, leaving secondary roads and user behavior less studied. In ageing societies, cognitive and physical impairments further challenge safe mobility, especially in rural areas with limited transport alternatives. Additionally, authorities must manage risks from extreme weather and natural disasters, requiring a more holistic approach to road safety and resilience.

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Enhanced resilience in multimodal passenger transport through digital technologies and generative and discriminative AI

HORIZON-CL5-2026-10-D6-10

Program:	Horizon Europe Cluster 5.
Típus:	Innovation Action
TRL szint:	6-7
Támogatás projektenként:	5M EUR
Támogatott projektek száma:	2
Pályázati felület megnyílik:	04 Jun 2026
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Felhívás linkje:	Link

Passenger transport systems are a critical component of urban, sub-urban, and long-distance travel, facilitating connectivity, reducing traffic congestion, and supporting environmental sustainability. However, these systems face challenges such as operational disruptions, safety and security risks, and evolving passenger demands. In the context of passenger transport, resilience refers to the ability of a transport system to absorb disturbances, maintain its basic structure and function, and recover to a required level of service within acceptable time and cost after being affected by disruption. This involves implementing measures that ensure continuous operation, quick recovery from unexpected events, and adaptability to changing circumstances. Enhanced resilience is essential for maintaining public trust and ensuring smooth functioning of transport systems and it is a cornerstone of the EU Sustainable and Smart Mobility Strategy.

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Enhancing Resilience and Accuracy in Positioning, Navigation, and Timing (PNT) Systems and e-conspicuity solutions

HORIZON-CL5-2027-06-D6-11

Program:	Horizon Europe Cluster 5.
Típus:	Innovation Action
TRL szint:	6-7
Támogatás projektenként:	5M EUR
Támogatott projektek száma:	1
Pályázati felület megnyílik:	03 Jun 2027
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Felhívás linkje:	Link

This topic addresses alternative PNT methods that are essential to provide fallback options in case of GNSS signal loss or degradation. Great benefit is expected through integration of PNT technology with rapidly emerging technologies, such as 5G/6G and Internet of Things (IoT). The aim is to investigate innovative solutions for PNT – including the impact on the regulatory framework, integrating advanced 5G technologies and IoT to act as complementary, redundant, secure and resilient navigation solutions for aviation, including UAS, in challenging environments.

The topic also addresses e-conspicuity, aiming to enhance pilot awareness notably at lower altitudes in U-space airspace in order to reduce collision risk in general aviation, where most small aircraft rely on see-and-avoid. Mobile telephony, with minimum network performance requirements, can provide a safe, affordable communication solution for U-space entry and flight safety.

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Support for dissemination events in the field of Transport Research

HORIZON-CL5-2027-06-D6-12

Program:	Horizon Europe Cluster 5.
Típus:	Coordination and Support Action
TRL szint:	-
Támogatás projektenként:	1.6M EUR
Támogatott projektek száma:	1
Pályázati felület megnyílik:	03 Jun 2027
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Felhívás linkje:	Link

The action will prepare and provide support to the Transport Research Arena (TRA) conference to be organised in 2030 gathering transport stakeholders for discussing political, industrial and research issues on a European and global level.

In line with previous TRA biennial conferences, the event should address the technological and industrial developments of the transport sector (i.e. road, rail, waterborne, aviation sectors and cross-modal aspects) providing a high level, future-oriented perspective coming from politics, the industry and the research community, in response to Europe's social and competitiveness needs and expectations. Specific attention should be put on a broad and balanced participation in the conference i.e., students, young researchers, women, many country representatives, etc.

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