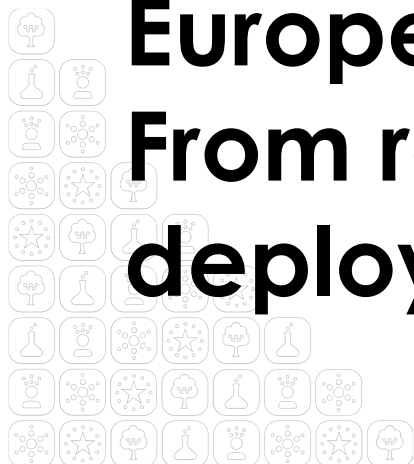




TRANSPORT WG MEETING

European automated mobility initiatives: From research and testing to deployment



AGENDA

- | | |
|-------|---|
| 14:30 | Welcome and set the scene
<i>Françoise Guaspare, ERRIN Transport WG leader</i> |
| 14:40 | European Research and Innovation Landscape for Automated Mobility
<i>Marzena Jougounoux, DG RTD</i> |
| 14:55 | CCAM Testbeds: Supporting Real-World Deployment
<i>Jakob Lohmann, DG MOVE</i> |
| 15:10 | Q&A session |
| 15:25 | Public Authorities' Perspective on Automated Mobility Deployment Introduction
<i>Françoise Guaspare</i> |
| | Study on CCAM in Catalonia
<i>Riansares Lopez Monzon</i> |
| | Presentation of the CCAMBassador project: Supporting Stakeholder Transition Towards Connected, Cooperative and Automated Mobility
<i>Laura Babio, POLIS</i> |
| 16:30 | Close of the meeting |

CALL FOR EVIDENCE

Horizon Europe – European Partnerships to be implemented as joint undertakings

To strengthen the impact of European Partnerships, the Horizon Europe 2028-2034 proposal suggests streamlining implementation modes and using a portfolio approach to identify a limited set of coherent partnerships, with objectives closely aligned with the European Competitiveness Fund. Under this initiative, some European Partnerships will be implemented as joint undertakings in accordance with Article 187 TFEU, with clear added value, through a single establishing act with harmonised rules.

[Link](#)

Feedback period: 16 June 2026 - 14 July 2026





European Research and Innovation Landscape for Automated Mobility

Marzena Jougounoux, DG RTD





ERRIN Transport Working Group Meeting
22 June 2026

European Research and Innovation Landscape for Automated Mobility

A photograph of the European Union flag, which is a blue field with twelve yellow stars arranged in a circle. The flag is being held up by two hands, and it is waving in the wind. The background is a blurred green landscape with trees.

Marzena Jougounoux
European Commission
DG Research and Innovation

INNOVATION AND DIGITALISATION



Automotive Action Plan

(March 2025, [link](#))

- Transition towards software-enabled, AI-powered connected and autonomous vehicles
- Excellence, competitiveness
- **Promote autonomous driving, boost the single market for autonomous vehicles and related mobility services**



European
Commission

Industrial Action Plan for the European Automotive Sector

Innovation and Digitalisation Pillar – 4 Actions



Large-scale **cross-border** testbeds for automated driving incl. communication with infrastructure



Boost **regulatory framework and EU Single Market** integration for Automated driving EU level governance



Establish the **European Connected and Autonomous Vehicle Alliance**



Funding under Horizon Europe (FP9; 2021-2027)

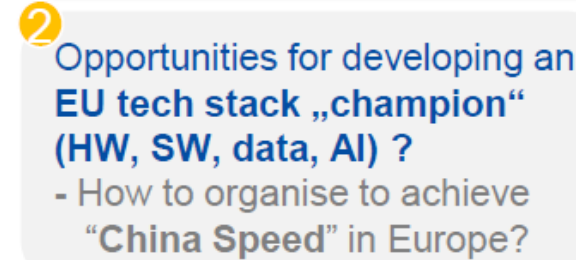
Future Automotive Partnership



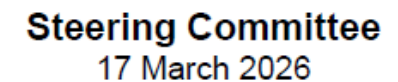
IPCEI
CLEAN CONNECTED
AND AUTONOMOUS
VEHICLES

How can EU industry regain competitiveness ?

Working Groups



15 September 2026: First official
Roadmaps published by ECVA,
Paris Motor Show: 12/13 Oct 2026



Apply AI: Autonomous Drive Ambition Cities

ADACities will support EU cities and industry in scaling L4 AI-enabled autonomous vehicles from pilots to market-ready deployment across the EU helping OEMs and industry to cross the threshold from expensive playgrounds to profitable business cases.

The Info Session will be held on **25 June 2026 from 10:00–13:00** on the European Commission Web Streaming Service. Please note that the event-specific streaming link is not yet available and will be published a few hours before the event on:

<https://webcast.ec.europa.eu/>

Industrial Action Plan for the European Automotive Sector

Innovation and Digitalisation Pillar – 4 Actions



Large-scale **cross-border** testbeds for automated driving incl. communication with infrastructure



Boost **regulatory framework and EU Single Market** integration for Automated driving EU level governance



Establish the **European Connected and Autonomous Vehicle Alliance**



Funding under Horizon Europe (FP9; 2021-2027)

Future Automotive Partnership



IPCEI
CLEAN CONNECTED
AND AUTONOMOUS
VEHICLES

CCAM Partnership 2026

Applications from
04/06 – 08/10
2026

Per topic

Per project

HORIZON-CL5-2026-10-D6-01: Flagship-pilot: large-scale demonstrations of CCAM (CCAM Partnership)

SSH flag

IA

100M€

100M€

HORIZON-CL5-2026-10-D6-02: Geopolitical competition and socioeconomic resilience in CCAM: an innovation and policy roadmap for EU leadership (CCAM Partnership)

SSH flag

RIA

4M€

4M€

HORIZON-CL5-2026-10-D6-03: Generative AI for smarter CCAM: enhancing perception, decision-making, and validation (CCAM Partnership)

RIA

13M€

6.5M€

CCAM Partnership 2027

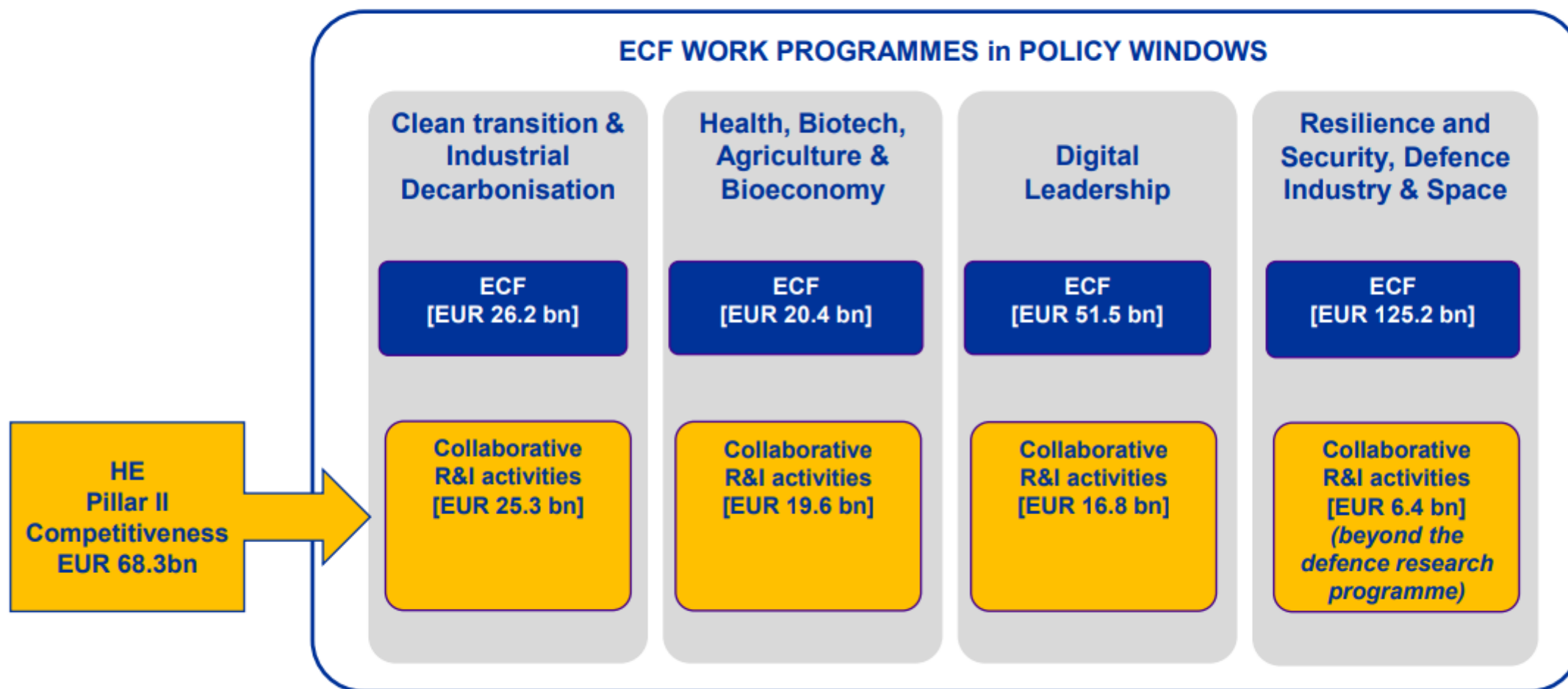
		Per topic	Per project	DDL
HORIZON-CL5-2027-06-D6-04: Holistic solutions for CCAM integration in critical scenarios (CCAM Partnership)	RIA	5,5M€	5,5M€	03/06/2027 - 07/10/2027
HORIZON-CL5-2027-06-D6-05: European CCAM knowledge hub and tools for safe and scalable deployment (CCAM Partnership)	CSA	4M€	4M€	

The structure of the new Horizon Europe



¹ Consistent with activities under the European Competitiveness Fund

Work Programmes: proposed budget



European Partnerships: Key principles

Necessity & EU Added Value: only where EU-level action is essential

Strategic Coordination: joint efforts to tackle major challenges

Policy Alignment: support key EU priorities

Portfolio Approach & competitive selection: clear criteria and coherence

Shared Commitment: long-term, tangible commitments

Lifecycle: alignment with MFF cycle and exit strategy



Towards a joint automotive SRIA

- Signature of a **MoU** between **2Zero, CCAM and BATT4AEU** partnerships
- Joint **EU vision**
- Overview of **International Automotive industry**
- **Expert Group** on European Union Research and Innovation for the automotive sector (**EURIAS**)



Brussels, 11.9.2025
C(2025) 6157 final

ANNEX

ANNEX

to the

Commission Decision

on the approval and signature of a Memorandum of Understanding on the cooperation and collaboration to enhance the research and innovation contribution to the Industrial Action Plan for the European automotive sector



Research and
Innovation

Joint EU Vision on R&I for
the Technological Competitiveness
of the EU Automotive Sector

Independent Expert Report



Research and
Innovation

Preliminary overview on the
international automotive industry
State of Play

Working Document

Independent Expert Report



Expert Group on European Union Research and Innovation for the automotive sector (EURIAS)

- A total of 66 members
- Kick off meeting on 27/03
- Selected members support the EC in the preparation of a forward-looking strategic research, innovation and deployment agenda

Sub-group "Electric-vehicle technologies"

Leaders: BMW,
Schaeffler, Vekor
Co-leaders: RTD,
CLIMA, MOVE

Sub-group "Digital and Connected Vehicles"

Leaders: Renault,
Aumovio
Co-leaders: RTD

Sub-group "Road mobility ecosystem"

Leaders: Volvo,
IDIADA, BMW
Co-leaders: RTD,
ENER, MOVE

Sub-group "Automotive industrial processes"

Leaders: Volkswagen,
Forvia, Fraunhofer
Co-leaders: RTD

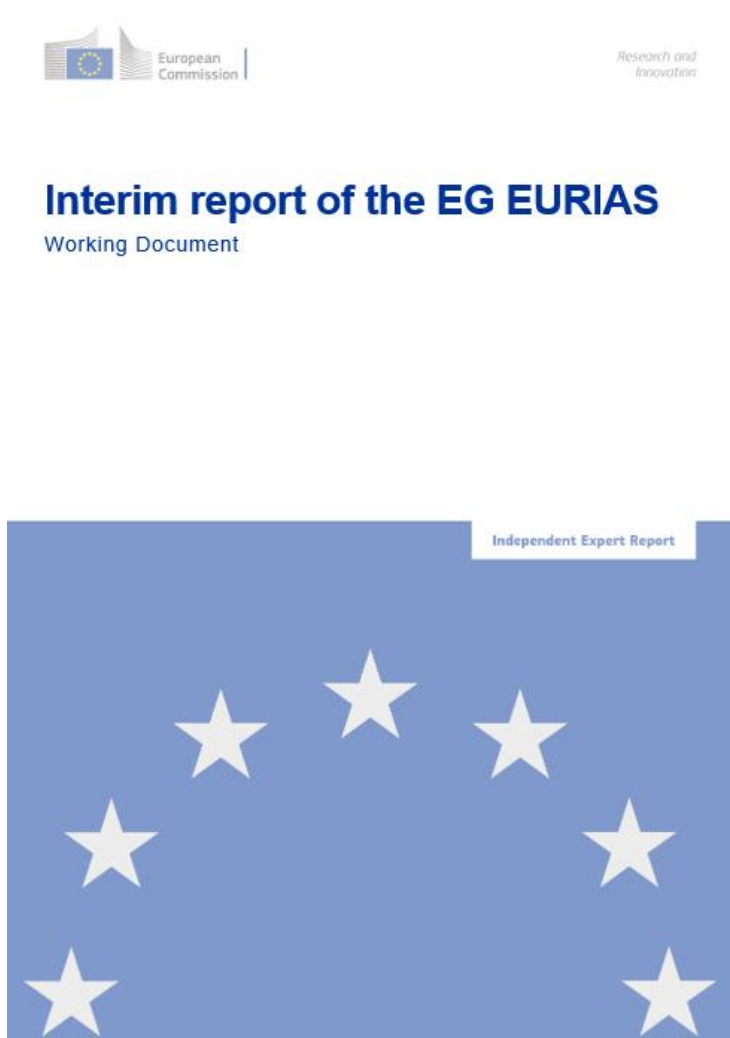


EURIAS State of Play

- EURIAS provides **expert guidance** across the automotive ecosystem and contributing to the development of a forward-looking **list of Strategic Research and Innovation and Deployment needs** for the sector.
- This exercise will be crucial to:
 - ✓ Help **clarify the scope** of a potential future automotive partnership under the next MFF
 - ✓ Prepare a **preliminary list of R&I&D** needs for the automotive sector, with initial indications on the level of priority, TRL-ambition, among other things to be defined
 - ✓ A tentative mapping of **how to distribute automotive relevant thematics** across potential future funding instruments
 - ✓ **Inform the different European Commission services** involved in the implementation of the Automotive Action Plan on the (R&I&D) challenges and needs of the Automotive industry



First upcoming deliverable



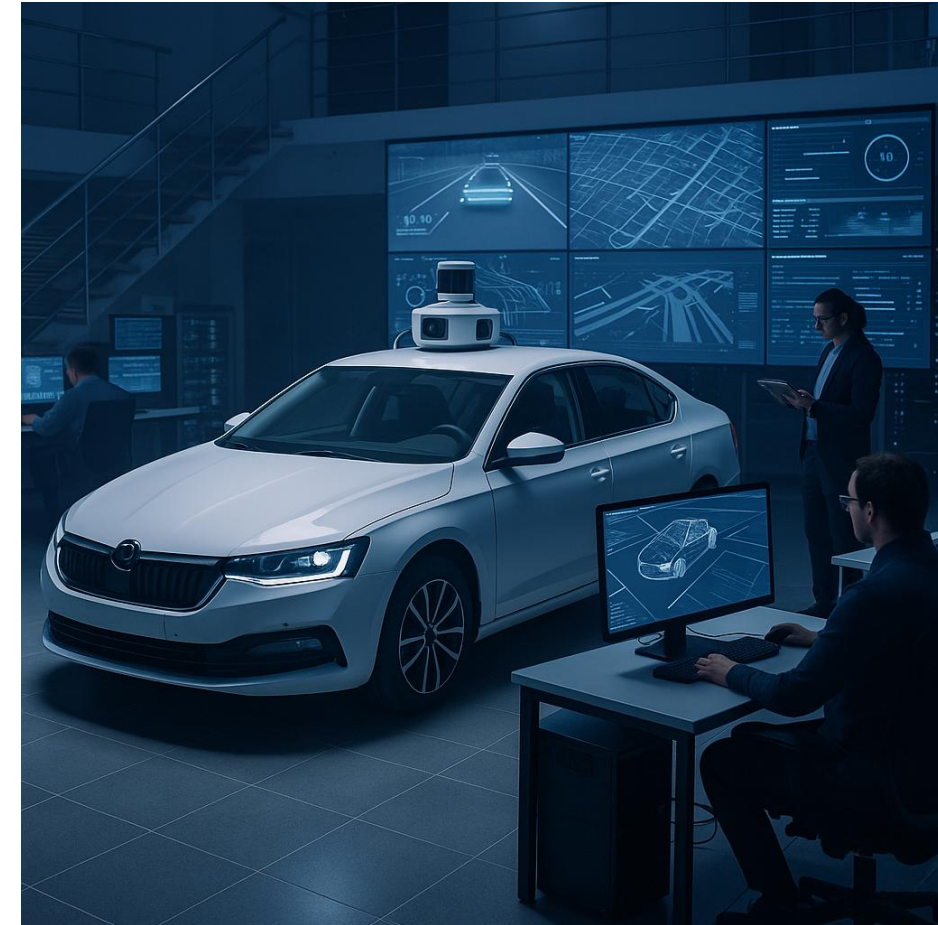
- This working document serves as a **snapshot of the work done** so far by the EG EURIAS.
- The deliverable should become **a reference document** inside the EG for the work ahead when the priorities will get further refined.



European CCAM Technology Observatory

A pilot initiative mapping the **global technology ecosystem** of CCAM to:

- **Map** enabling CCAM technologies and their full technology stack across key international markets
- **Monitor** innovation dynamics, including the global start-up landscape in connected and automated mobility
- **Deliver** a comprehensive overview of the state of the art to help pinpoint Europe's competitive advantages across CCAM subdomains



<https://www.connectedautomateddriving.eu/observatory/>

1st Landscape report: <https://publications.jrc.ec.europa.eu/repository/handle/JRC146797>

Thank you



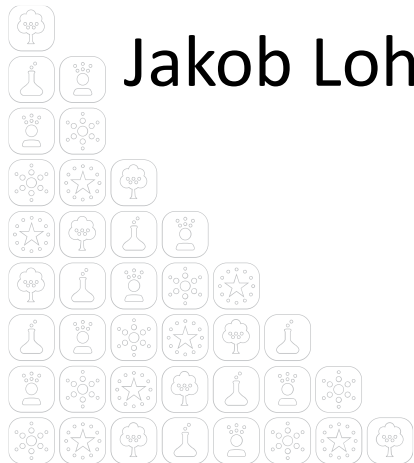
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CCAM Testbeds: Supporting Real-World Deployment

Jakob Lohmann, DG MOVE



Testbeds for Autonomous Driving

ERRIN, Transport Working Group, 22 June 2026

DG GROW, DG MOVE



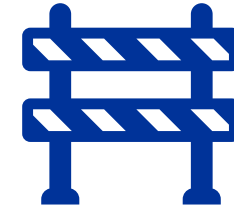
Why the Testbeds Initiative?

EU Automotive Action Plan (2025):

*“Accelerate
deployment of
connected and
autonomous vehicles
(AVs)”*



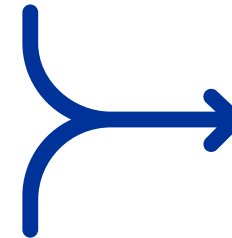
Strengthen
Competitiveness



Reduce regulatory
fragmentation barrier



Support freight &
passenger transport



Create Pathway to
Single EU Market



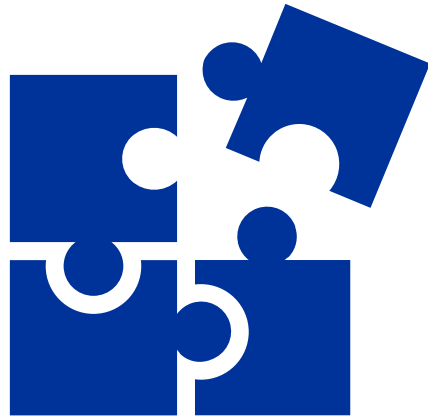


Scope

- Set up **commercial pre-deployment operations and establish** best practices for integrating AVs in existing traffic and the mobility service they offer
- Both to support the **automotive industry** and to learn for the **mobility system**.
 - Allow for quicker development
 - Allow for quicker deployment and help building a market
- EC is **coordinating** and chairing discussion and support to MSs in establishing the testbeds



What is the EU Large-Scale AV Cross-Border Testbed Initiative about?



Regulatory Alignment &
Mutual Recognition of
Permits



Cross Border Seamless
AV Deployment, focused
on Freight & Passenger
transport with iterative
learning



Use Case Design &
Demand Clustering, to
Match Industry

***No full EU type approval required; agreed technical and operational requirements apply**





Current status & next steps

- Joint Declaration of Intent signed by 18 Member States on June 8th 2026¹
 - Political document
 - Stating intention to work on alignment and
 - Solid base for future work
- Focus 2026–2029:
 - regulatory alignment,
 - scaling successful use cases
 - ecosystem building for knowledge

1. EU Ministers back cross-border initiative for autonomous vehicle testbeds





Related initiatives

- EU partnership on CCAM under **Horizon Europe**: Large Scale Demonstrator projects
- **European Connected and Autonomous Vehicles Alliance (ECAVA)**: Working Group on Autonomous Driving
- Apply AI Strategy: **Autonomous Drive Ambition Cities**

Role of Regions



Frontrunner, involved in permitting: peer learning on applying regulation



Interested, involved in permitting: keep informed on regulatory learnings

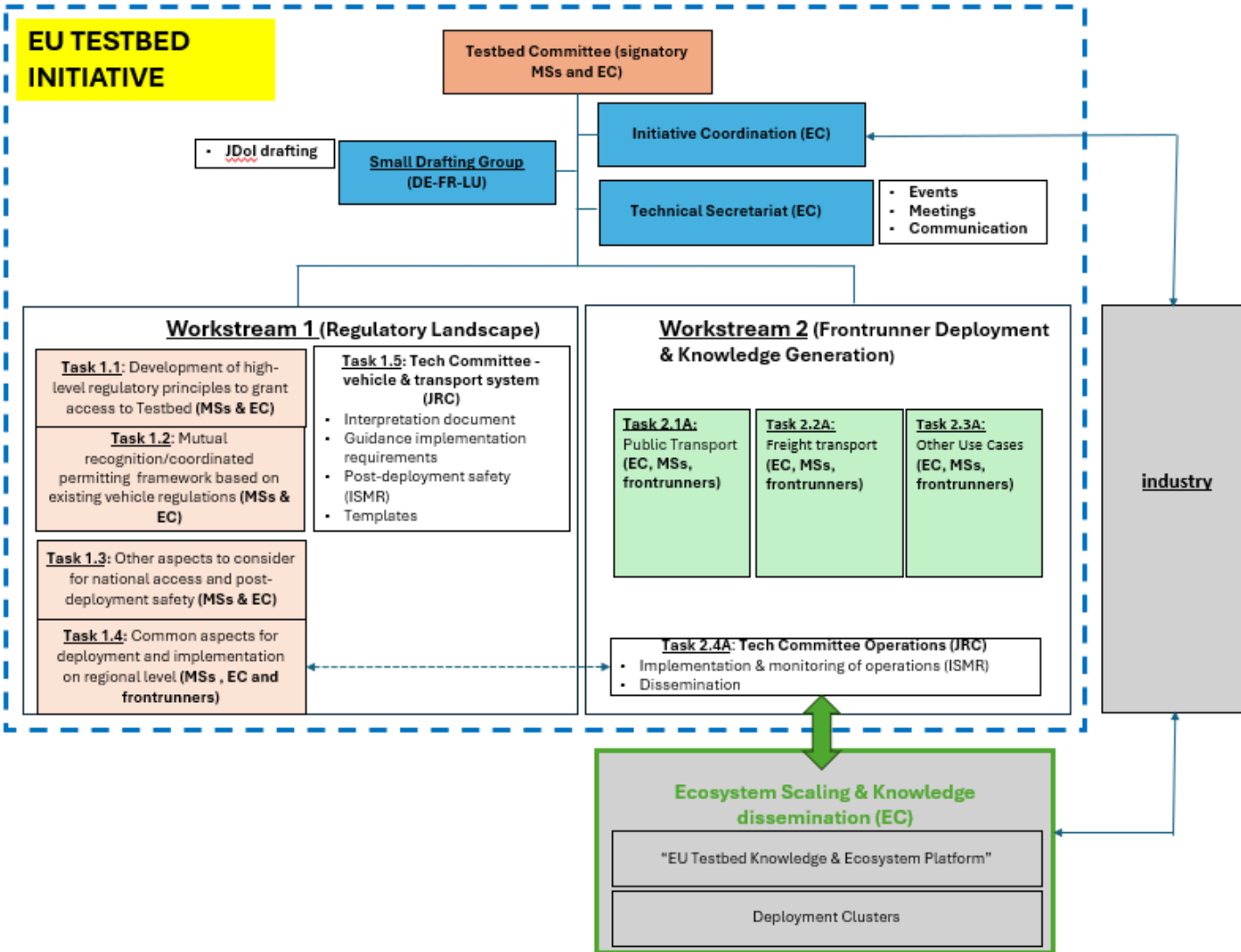


Frontrunner, involved in design, procurement etc.: peer learn on deployment, aggregate demand



Interested, involved in design, procurement etc: ecosystem building, learning,

Draft governance





Financing

- Primarily the projects need their **own financing**.
- **CEF Reflow**: 20 Million for digital infrastructure (multiple projects)¹
- **Large Scale demonstrators**: 100 Million, one project²
- **ADACities**: to be announced on 25.06

1: https://cinea.ec.europa.eu/funding-opportunities/calls-proposals/2026-cef-transport-calls-proposals_en

2: <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-cl5-2026-10-d6-01>



Midterm planning

2026–2027 – Developing the Common Framework

- Common principles for autonomous vehicle deployment are developed.
- Coordinated permitting and mutual recognition approaches are developed.
- Common approaches for deployment, implementation and safety monitoring are established.

2026–2027 – Building Deployment Clusters

- Public Transport and Freight Transport clusters are established.
- Authorities, operators and industry identify common deployment needs and opportunities.
- Ecosystem building and matchmaking activities begin.

Midterm planning

2027 Onwards – Deployment and Knowledge Generation

- Frontrunner deployment projects move into implementation.
- Operational experience and lessons learned are collected and shared.
- Technical support and monitoring mechanisms are established.

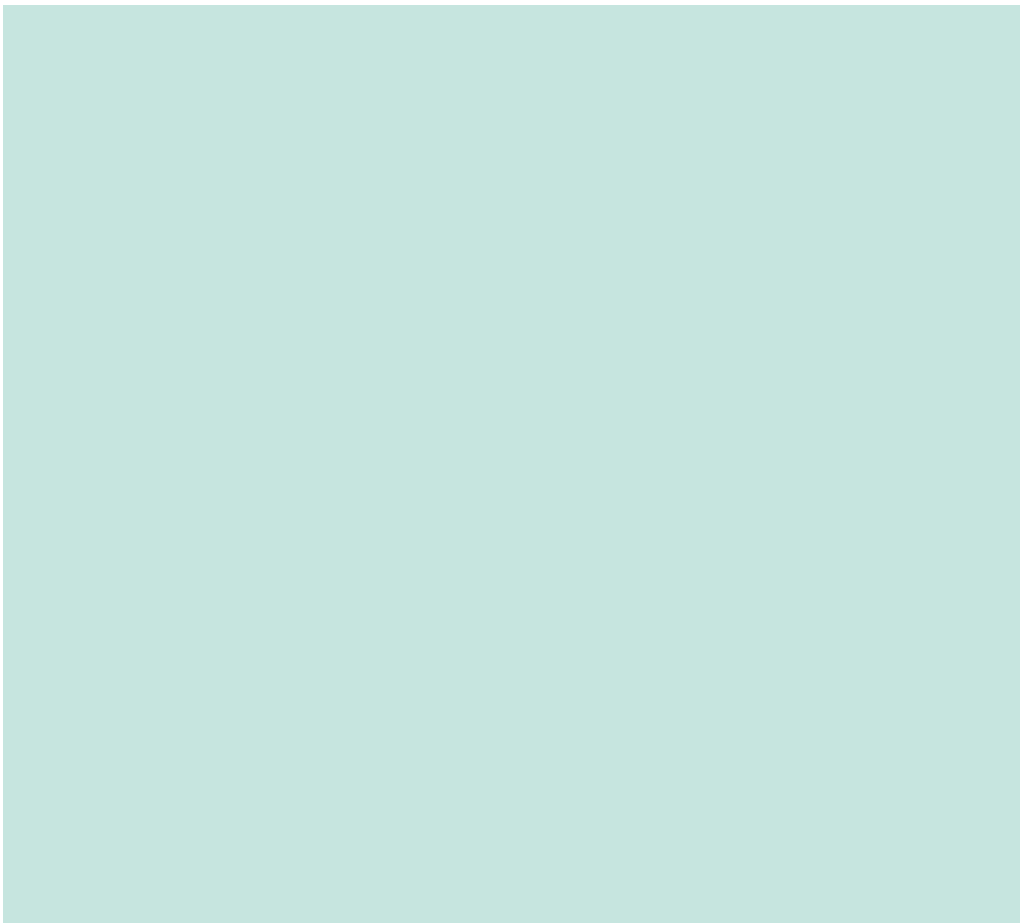
2028–2029 – Scaling Towards Commercial Deployment

- Deployment activities expand.
- Regulatory frameworks are refined based on operational experience.
- Successful use cases move from demonstration towards sustainable and commercially viable services.



Upcoming dates

- Kick-off on Workstream level: 1st July Member States in the morning + Open workshop in afternoon
- First Field Event: 16th of September port of Antwerp & Rotterdam TBC
- Collecting the frontrunners: continuously in parallel



Thank you!

Jakob Lohmann, EC, DG MOVE B4

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EC-TESTBEDS@ec.europa.eu



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Public Authorities' Perspective on Automated Mobility Deployment





Study on CCAM in Catalonia

Riansares Lopez Monzon



Brussels - 22 June 2026

ERRIN Transport Working
Group

CCAM Deployment Opportunities in Catalonia OFICINA ÒPTIMA – DGI - ACCIÓ

Why this study? Moving beyond pilots

Across Europe, many CCAM initiatives have successfully demonstrated technology.

The next challenge is deployment:

- Where should automated mobility be deployed first?
- Which use cases can create public value?
- What infrastructure is needed?
- How can regions prioritise investments?

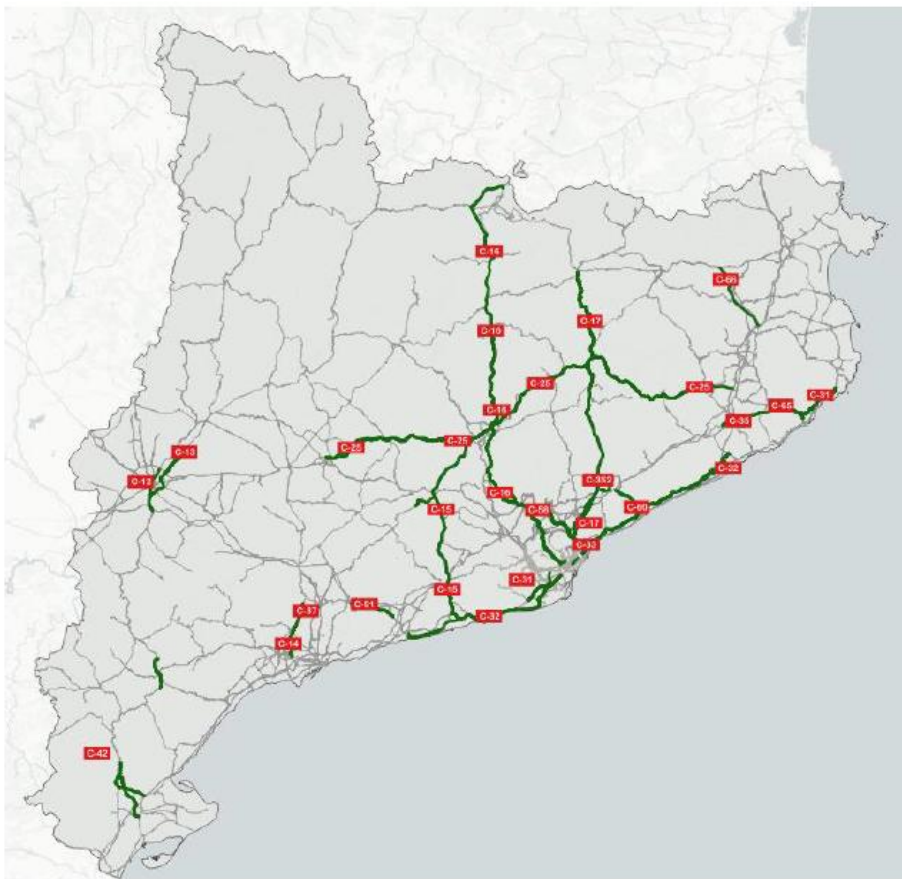
Catalonia carried out a territorial analysis to identify the most suitable areas for future CCAM deployment and large-scale demonstrations.

Building the foundations for deployment

Catalonia is working on a Connected and Intelligent Roads Programme (2026-2030):

- Up to 930 km of connected corridors by 2030
- Deployment of V2X and C-ITS infrastructure
- Digital twin of the road network
- CCAM data platform
- Living Lab approach for testing and validation
- Preparation of real-world autonomous mobility services

Assessing Catalonia's Readiness for Connected and Automated Mobility (CCAM)



Areas analysed

-  Road network and mobility demand
-  Digital and communication
-  Testing and validation
-  Industrial and innovation
-  Governance and regulatory

Priority deployment environments: Not all territories require the same solution

Environment	Opportunity
Metropolitan areas	Automated shuttles, first/last mile
Interurban corridors	Connected and automated driving
Industrial zones	Autonomous logistics
Ports and logistics hubs	Automated freight operations
Airports	Automated passenger services
Rural areas	On-demand autonomous mobility

Key conclusion: Different territories require different automation strategies.

Areas with the highest deployment potential: Main opportunities identified in Catalonia

Barcelona Metropolitan Area

- High mobility demand
- Strong innovation ecosystem
- Existing public transport network

2. Strategic Road Corridors

- Connected corridor deployment
- V2X-enabled infrastructure
- Real traffic conditions

3. Logistics and Industrial Areas

- Lower operational complexity
- Faster route to deployment

4. Medium-sized Cities

- Strong public transport use cases
- Easier governance arrangements

What makes a Large-Scale Demonstrator successful? Key enabling factors

Technology alone is not enough. Critical success factors:

- Political commitment
- Infrastructure owner involvement
- Clear legal framework
- Access to road and mobility data
- Public-private partnerships
- Citizen acceptance
- Long-term funding perspective

Main barriers identified: Challenges reported by stakeholders

Technical

- Infrastructure interoperability
- Data sharing

Regulatory

- Authorisation procedures
- Liability issues

Operational

- Fragmented governance
- Lack of deployment frameworks

Economic

- Business case uncertainty
- Scaling costs

Looking for collaboration: Opportunities for cooperation

Catalonia is interested in collaborating on:

- Cross-border CCAM deployment
- Large Scale Demonstrators
- Autonomous public transport
- Connected corridors
- Digital twins for infrastructure
- C-ITS deployment
- European pilot projects

Thank you!

Riánsares López Monzón
riansares.lopez@gencat.cat

OPTIMA - Oficina Pública per la Transformació
de les Indústries de la Mobilitat i Automoció.

Direcció General d'Indústria i ACCIÓ

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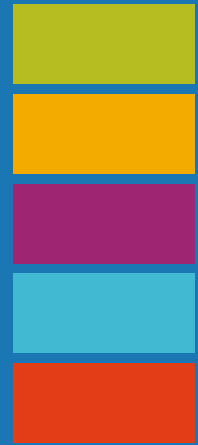


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Laura Babio, POLIS





Supporting Stakeholder Transition Towards Connected, Cooperative and Automated Mobility

Laura Babio Somoza (POLIS)



POLIS/Eurocities CCAM Charter: Cities and Regions' principles for AV deployment

CCAMBassador work preparing for deployment: Building Blocks, Readiness and Awareness Assessments

Setting the scene

Automated mobility is entering a decisive phase in Europe

- Moving from pilots to real-world deployment
- Strong push from policy and industrial agendas at national and EU levels
- Increasing pressure to scale up

But the direction seems to be still open...

The key question is no longer whether automation will happen, but how it will be deployed, and whose priorities will guide it.



Setting the scene

Cities and regions carry the responsibility for how mobility systems function in practice. They deliver safe, efficient, inclusive, and sustainable mobility. They manage public space, integrate new services, and are accountable to citizens for the outcomes.

European cities already have **a strong mobility model that should be established as CCAM's foundation**

But the current trajectory is not being shaped from that perspective: Deployment seems to be still largely driven by technological readiness and industrial priorities → The risk is clear: **innovation advancing without alignment with public value**

This is why POLIS and Eurocities, together with our members, developed a joint charter: To set out the conditions for how automated mobility should be deployed in cities while making clear the role of public authorities in shaping that deployment



Our principles

1. The deployment of automated mobility in urban areas is **guided by clear public objectives, coherent policy direction, and supported by the necessary conditions** for cities and regions to manage it effectively.
2. Automated vehicles contribute to **improved liveability, accessibility, and safety** in urban areas.
3. Deployment prioritises **solutions that complement and strengthen public transport**



Our principles

4. CCAM services deliver clear societal and operational value and are supported by **sustainable and well-regulated economic models.**
5. Cities and regions play **a leading role in shaping governance and regulatory frameworks** in urban and peri-urban contexts
6. Automated mobility is fully **integrated into existing physical and digital urban infrastructure**

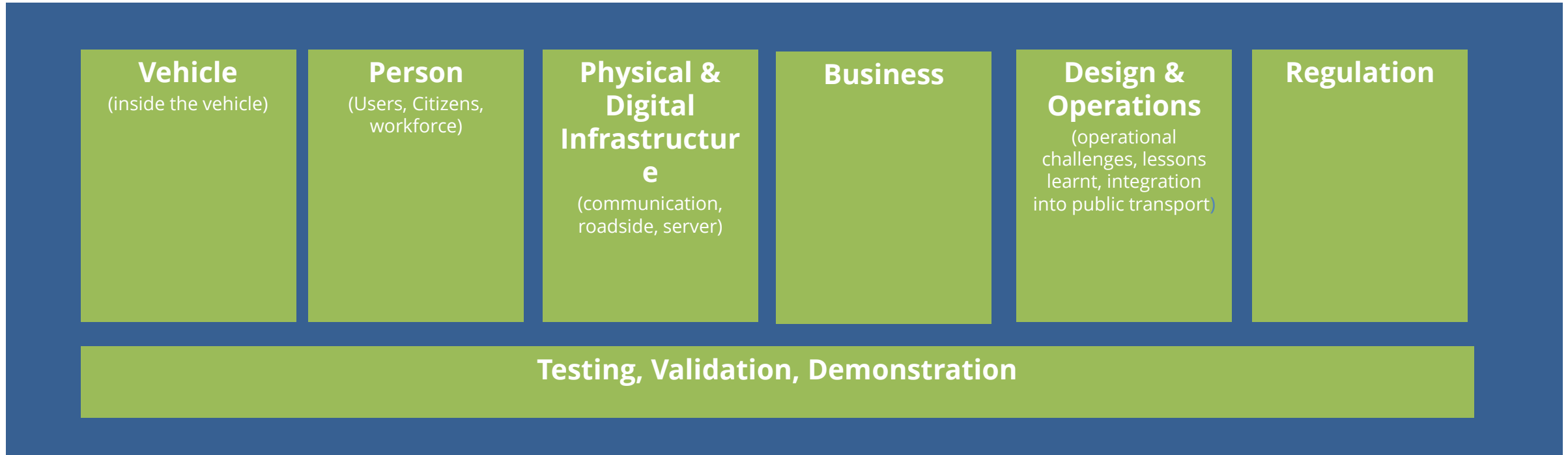


Our principles

7. Relevant **operational data from service providers is accessible** to public authorities.
8. **Deployment builds on Europe's strengths in** integrated public transport systems, multimodal planning, and strong public governance.
9. **Societal impacts are placed at the centre**, recognising that automation affects workers, users, and communities across multiple sectors beyond mobility.
10. European and national legislation must establish **clear regulatory frameworks for privately owned automated vehicles and robotaxi services** and enable cities and regions to apply measures to manage their impacts.



Building blocks for CCAM deployment



Deployment fails when building blocks evolve in isolation.

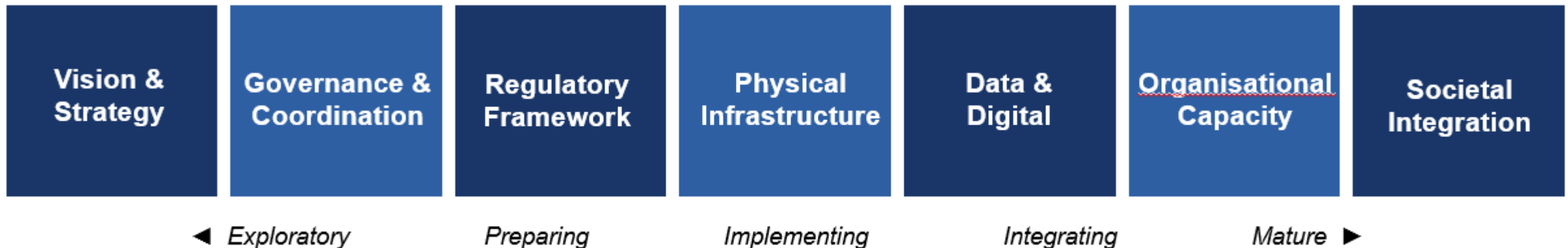


How do we measure readiness?



- Moving beyond technology assessment, looking at readiness dimensions
- Focus on implementers (public authorities and operators) and real deployment conditions
- Readiness does not necessarily progress linearly
- Readiness does not mean the same for all implementers

Capacity assessment framework based on readiness dimensions and maturity levels



From readiness levels to deployment profiles



Readiness is assessed by **assigning capability levels across each dimension**, and the **resulting combination of levels is used to define profiles**

Profiles reflect patterns of strengths and gaps (not a linear pathway)



Exploratory
Early stage, no structure



Strategic
Vision without implementation



Operational
Pilots without integration



Technically advanced
Strong systems, weak governance/regulation



Integrated & Matured
System level deployment and ready to scale

Different *cities and regions require different pathways*, support mechanisms and deployment priorities.



CCAM Urban Deployment Roadmap

Tailored recommendations according to readiness dimensions, profiles and building blocks



Completing the picture: awareness and acceptance of citizens

- **Implementers readiness alone is not sufficient, successful deployment depends on citizen trust and acceptance**
- What we assess in CCAMBassador:
 - Awareness: Familiarity, understanding, exposure
 - None → Basic → Informed → Experiential
 - Attitudes: Trust, safety, usefulness, concerns, willingness
 - Supportive → Uncertain → Neutral → Sceptical → Resistant

Social
readiness
enables
deployment



About us!

POLIS is the network of European cities and regions working together to deploy innovative solutions for a more sustainable mobility.

POLIS
CITIES AND REGIONS FOR TRANSPORT INNOVATION

Contact

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Smart Mobility Lead

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