

CCAM made in Europe



HIGHLIGHTS

THE BIG IDEAS

- We are on the edge of a new era where C-ITS, connected and automated vehicles are coming together under the CCAM concept, aiming to:
- **Safer roads** with zero fatalities
- **Greener roads** with zero emission
- **Inclusive mobility** for all
- Strengthen **competitiveness** of European industries

THE BIG UNKNOWNs

- Interoperable, seamless and harmonized 5G C-V2X & ITS G5 communication
- Artificial intelligence enabled MEC and cloud services
- In and out vehicle data exchange, cybersecurity and privacy challenges
- Effective use of IoT services in urban and non urban areas
- Mobility as a service business model and operation

Safety on roads

AI-based cybersecurity solution



Vulnerable road users protection



Connected street infrastructures



Mobility cyber-physical systems



Hazardous location notification



Green roads

Mobility urban values



Smart traffic lights



Green goods delivery



Unauthorized waste dumping prevention



Connected street infrastructures



Inclusive mobility

Mobility urban values



Solving the mobility challenges facing our cities



EU Competitiveness

5G solutions for mobility



Large scale cross borders



Connected street infrastructures



SME engagement mechanism



Challenge:

- Combining connectivity, cooperative systems and automation to enable automated and fully orchestrated mobility ecosystem, aiming to achieve the European Vision Zero.
- Enabling user-centric, all-inclusive mobility, while improving road safety, reducing congestion and CO2 emission.
- Introducing new mobility services for passengers and goods, fostering benefits for citizens and European industry.

Sustainable 5G deployment model for future mobility in the Mediterranean Cross-Border Corridor: The 5GMED project

The i2CAT Foundation is the technical coordinator of 5GMed, an H2020 project that brings together key stakeholders of the “Barcelona – Perpignan” cross-border section of the Mediterranean corridor including MNOs, road and rail operators and neutral hosts, complemented with innovative SMEs developing AI functions, and selected R&D centers with a proven track record in 5G R&I. The 5GMed consortium will demonstrate how a multi-stakeholder 5G infrastructure featuring a variety of technologies can be used to jointly deliver CCAM and FRMCS services.

5GMed ambitions to become the lighthouse project for CCAM and FRMCS deployment in cross-border scenarios that can be replicated across Europe and trigger further investments through the CEF2 program.



Local Action - Global Impact

European, Spanish and Catalan partnerships and alliances to maximize the impact:

