



# CERTAIN

## **CERTAIN | Resilient and continuous safety assurance methodology for CCAM and its HMI components**

CERTAIN is developing a comprehensive, human-centric safety assurance framework for Connected, Cooperative and Automated Mobility (CCAM), with a sharp focus on Safety, Trust, Acceptance, and Comfort (STAC). By integrating advanced AI systems, user-centered HMI design, and continuous lifecycle validation, CERTAIN ensures that automated vehicles interact safely and predictably with the full spectrum of human behaviour - across the full lifecycle of the vehicle.

### **What CERTAIN will deliver**

- Scenario-based resilient safety framework
- Continuous, in-service monitoring
- AI and V2X communication validation
- Harmonized standards and certification
- A framework that adapts to the cognitive needs of human road users
- Real-world use cases involving diverse vehicles, automation levels, road users and testing environments
- Alignment with EU's goals for sustainable, competitive, and safe mobility

### **What makes CERTAIN unique**

- Builds on and extends the SUNRISE's SAF with real-world-ready components
- Goes beyond existing efforts (e.g. SUNRISE, SYNERGIES) by developing tools for immediate deployment
- Integrates cutting-edge technologies
- Engages a pan-European consortium of 25 partners from research, industry, and regulation bodies
- Promotes alignment with EU regulatory bodies through structured stakeholder collaboration
- Tackles safety, competitiveness, and environmental impact in one unified approach

### **Our goal?**

To enable trustworthy and scalable CCAM adoption through resilient, adaptive, and regulation-ready safety assurance.

Project duration: 36 months | 1 June 2025 – 31 May 2028

Coordinated by: Applus+ IDIADA

[certainproject.eu](https://certainproject.eu)

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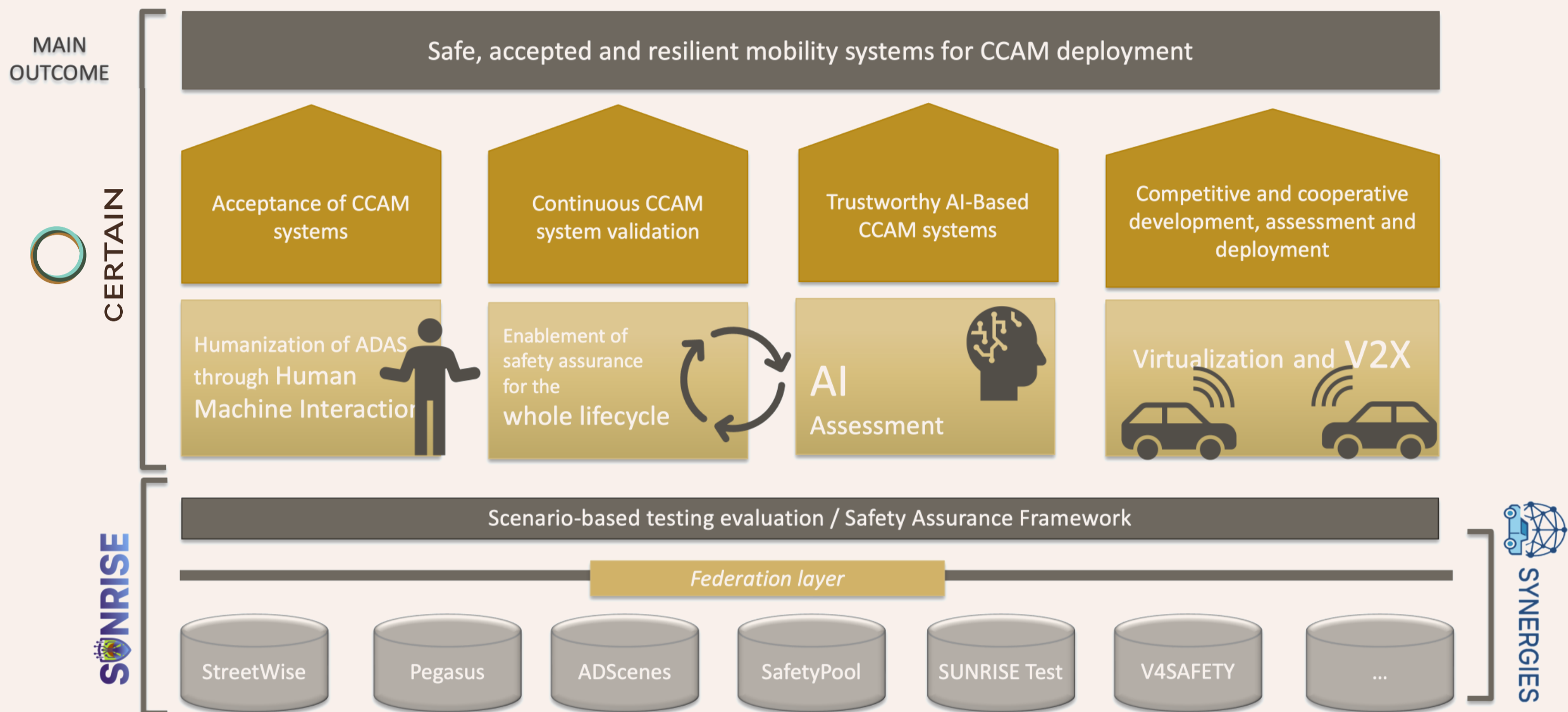
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## Concept



## CERTAIN project partners



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