EXPERT PLATFORM

The SUNRISE project aims to establish a common safety assurance framework, interconnecting silos and making them collaborate in a harmonised way.

To achieve its goals and establish a foundation for a federated European scenario database framework, the SUNRISE project aims to connect and network stakeholders outside of the SUNRISE project that have specific interest in CCAM safety assurance.

For this reason, the SUNRISE Expert Platform has been established.

Join the SUNRISE Expert Platform!

Main benefits:

- Influence the definition of a safety assurance framework in Europe
- Get invited to the most influential events and networking opportunities
- Grasp the future of CCAM safety assurance before others

www.ccam-sunrise-project.eu

PARTNERS

AVL · bast Federal Highway Research Institute · CHALMERS UNIVERSITY OF TECHNOLOGY · Continental

CVC Centre de Visió per Computador · deepen · ERTICO · ICCS ΕΠΙΣΕΥ · Applus⊕ IDIADA

ika RWTH AACHEN UNIVERSITY · Infineon · INSTITUT VEDECOM · GROUPE RENAULT · RISE

SIEMENS · TNO innovation for life · TOYOTA · UNIVERSITY OF TRENTO · vicomtech MEMBER OF BASQUE RESEARCH & TECHNOLOGY ALLIANCE

virtual vehicle · WARWICK THE UNIVERSITY OF WARWICK

SUNRISE

SAFETY ASSURANCE FRAMEWORK FOR CONNECTED, AUTOMATED MOBILITY SYSTEMS

Developing and providing a harmonised and scalable CCAM Safety Assurance Framework

SUNRISE

SAFETY ASSURANCE FRAMEWORK FOR CONNECTED, AUTOMATED MOBILITY SYSTEMS

SUNRISE aims to

- Develop and demonstrate a commonly accepted and extensible Safety Assurance Framework for the testing and safety validation of a wide range of CCAM systems.

- Develop the main components of SUNRISE Safety Assurance Framework: a method, a toolchain and a Data Framework.

- Accelerate the safe deployment of innovative CCAM technologies and systems on European public roads

- Define shared safety argumentation principles and comprehensive verification, validation and rating procedures

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SUNRISE

SAFETY ASSURANCE FRAMEWORK FOR CONNECTED, AUTOMATED MOBILITY SYSTEMS

Accelerating safe deployment of Cooperative, Connected and Automated Mobility (CCAM systems)

by developing and demonstrating a commonly accepted and extensible Safety Assurance Framework for the testing and safety validation of a varied range of CCAM systems.

23+ Partners

€13.5M Budget

01 SEP 2022 Start

31 AUG 2025 End

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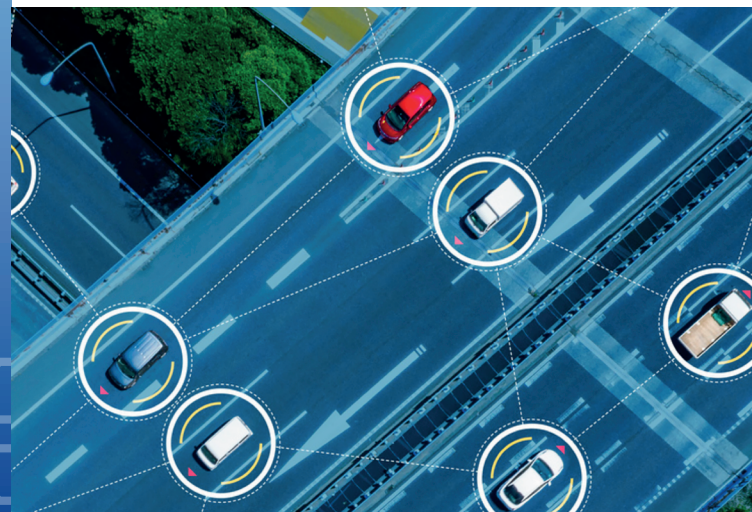
OBJECTIVES

- Overcoming the challenges CCAM systems face in terms of safety assurance for their broad adoptions

- Accelerating large-scale deployment of innovative CCAM technologies and systems.

- Providing methods and tools to enable stakeholders to build evidence on the safe and reliable operation of a varied range of CCAM systems in relevant driving scenarios

ACTIVITIES

The challenges in CCAM validation are connected to the lack of a common scenario-based approach for testing and assessment of automated vehicles. SUNRISE will conceive a unified approach to scenario databases and address the absence of safety assessment criteria for CCAM validation.

- ◉ Shaping a harmonised and scalable safety assurance method
- ◉ Creating a federated European Scenario Database
- ◉ Engaging with stakeholders worldwide

USE CASES

Towards the end of the project, the SUNRISE Safety Assurance Framework is demonstrated, based on 4 Use Cases allocated over a variety of test instances, including both virtual and physical elements.

- ◉ Urban automated driving validation
- ◉ Traffic Jam automated driving validation
- ◉ Highway automated driving validation
- ◉ Freight vehicle automated parking validation