



CCAM PARTNERSHIP IN HORIZON EUROPE @ EFECS, Amsterdam Armin Gräter, 24.11.22



EUROPEAN LEADERSHIP IN SAFE AND SUSTAINABLE ROAD TRANSPORT THROUGH AUTOMATION

Strengthen
Competitiveness
of European Industries

Increase Safety in road transport

Reduce negative impact from road transport on environment

Ensure inclusive mobility and good access for all



CCAM ACTIVITIES AND TIMEFRAME

- **c** Contributing to shape the CCAM Horizon Europe research call topics.
- C Networking opportunities at the European and international levels.
- Updating the CCAM Strategic Research and Innovation Agenda (SRIA) with the selected research projects' results.

Joint actions with many other European and international stakeholders.

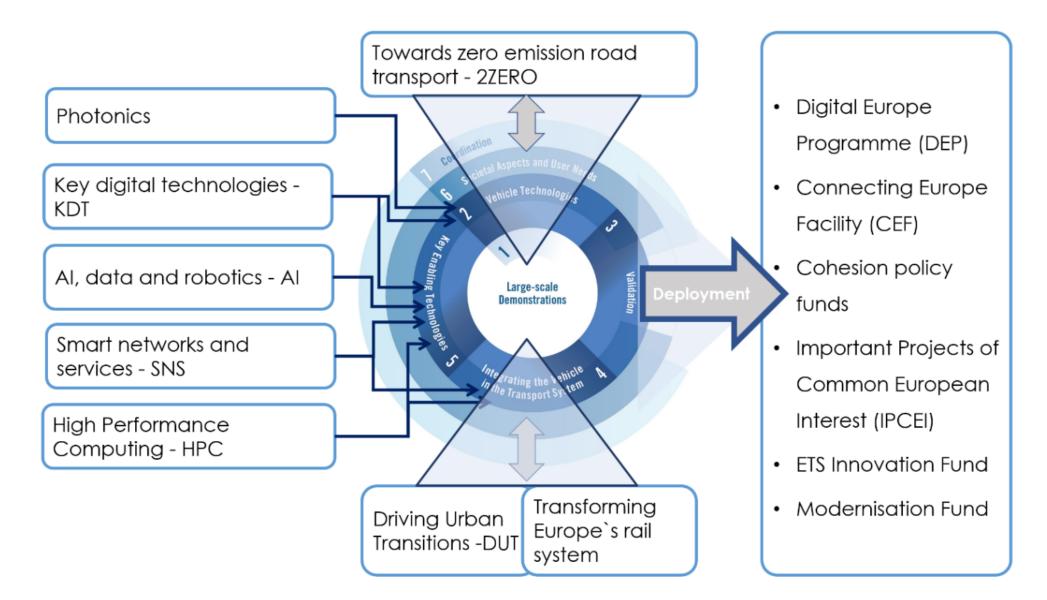
Contributing to the development of European standardisations and regulations.

PHASE 1 Developing (2021-2024) the building blocks

PHASE 3 Large-scale (2028-2030) Demonstrations

PHASE 2 Advancing (2025-2027) technical maturity

CCAM SYNERGIES – THE IDEA



POTENTIAL FIELDS OF COOPERATION

HARDWARE

SOFTWARE

CCAM Cluster 2 Vehicle Technologies

SYSTEM

ARTIFICIAL INTELLIGENCE

BIG DATA

CCAM Cluster 5 Key Enabling Technologies





5 THINGS TO KNOW THIS MORNING

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USA . INTL

The Data Act will make more data ava

rules on who can use and access what dal

MARKETS BUSINESS INVESTING TECH POLITICS CNBC TV INVESTING CLUB & PRO & Renault and Google team up to **®CNBC** develop a 'software defined' vehicle

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@RYAN_BROWNE_

Squawk on the Street

UP NEXT | TechCheck 11:00 am ET

all economic sectors in the EU.

The growth potential of the data economy Data is the basis for many **new digital products and services**. The use of cor increasingly generates data.

Global data volume will grow

2018

zettabytes

Stored on 512 GB tablets, it would form a tower that reaches the moon.

Enough to make the journey to the moon and back five times.

A growth equivalent to 1260 tablets per second. €5-11 trillion

Internet of things value and services by 2030 globally

€ 120 billion



Savings in the EU health sector per year

10-20%



Savings in the transport, buildings and industry sectors with real-time analytics of data

KEY POINTS

- Using artificial intelligence, the two companies plan to create a "digital twin" of a
- Digital twins aim to replicate physical objects in a virtual setting so that they can be tested and monitored before real-world deployment.





TRENDING NOW



Here's how much money you'd have if you invested \$1,000 in Walmart 10 years ago



Qatar to ban beer at World Cup stadiums in dramatic reversal two days before tournament



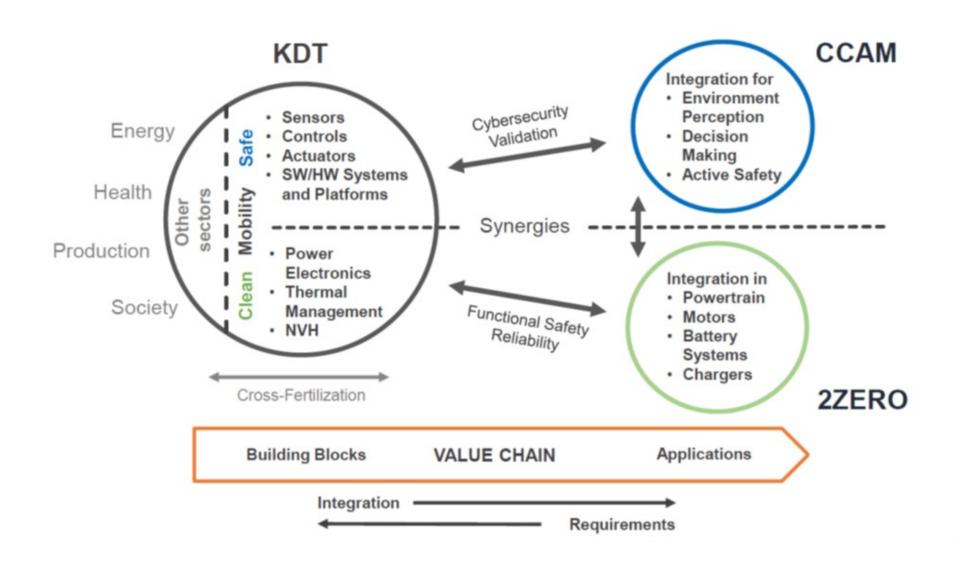
Fed's Collins expresses hope that inflation can be tamed without hitting



5 things to know before



KDT - CCAM COLLABORATION





CLUSTER 2: VEHICLE TECHNOLOGIES

R&I Actions

- 2.1 Environment perception technologies for CCAM
- 2.2 Safe and reliable on-board decision-making technologies
- 2.3 Preventive and protective safety for highly automated vehicles
- 2.4 Human Machine Interaction (HMI) development for on-board technology
- 2.5 Addressing User-Centric Development of CCAM

Operational Objectives

- Establish a long-term coordination framework for R&I and large-scale testing activities
- Common methodologies available to validate the safe system function of CCAM use cases by 2026
- Enable trustworthy interaction between all traffic participants and CCAM by 2028
- Expand and disseminate the knowledge base on CCAM solutions during the entire Partnership duration

CLUSTER 5: KEY ENABLING TECHNOLOGIES

R&I Actions

- 5.1 Cybersecure components and systems
- 5.2 Robustness and resilience
- 5.3 Explainable concepts and training of AI for CCAM applications
- 5.4 Al for situational awareness
- 5.5 System architecture for data sharing

Operational Objectives

- Establish a long-term coordination framework for R&I and large-scale testing activities
- Exploit new and emerging knowledge fields for large scale demonstrations in 2027
- Enable trustworthy interaction between all traffic participants and CCAM by 2028
- Expand and disseminate the knowledge base on CCAM solutions during the entire Partnership duration