

*European leadership in safe and sustainable road transport through automation*

**European Partnership under Horizon Europe**

# CCAM Phases

The CCAM Partnership under Horizon Europe will operate in three phases:

## **Phase 1 (2021-2024): Developing building blocks**

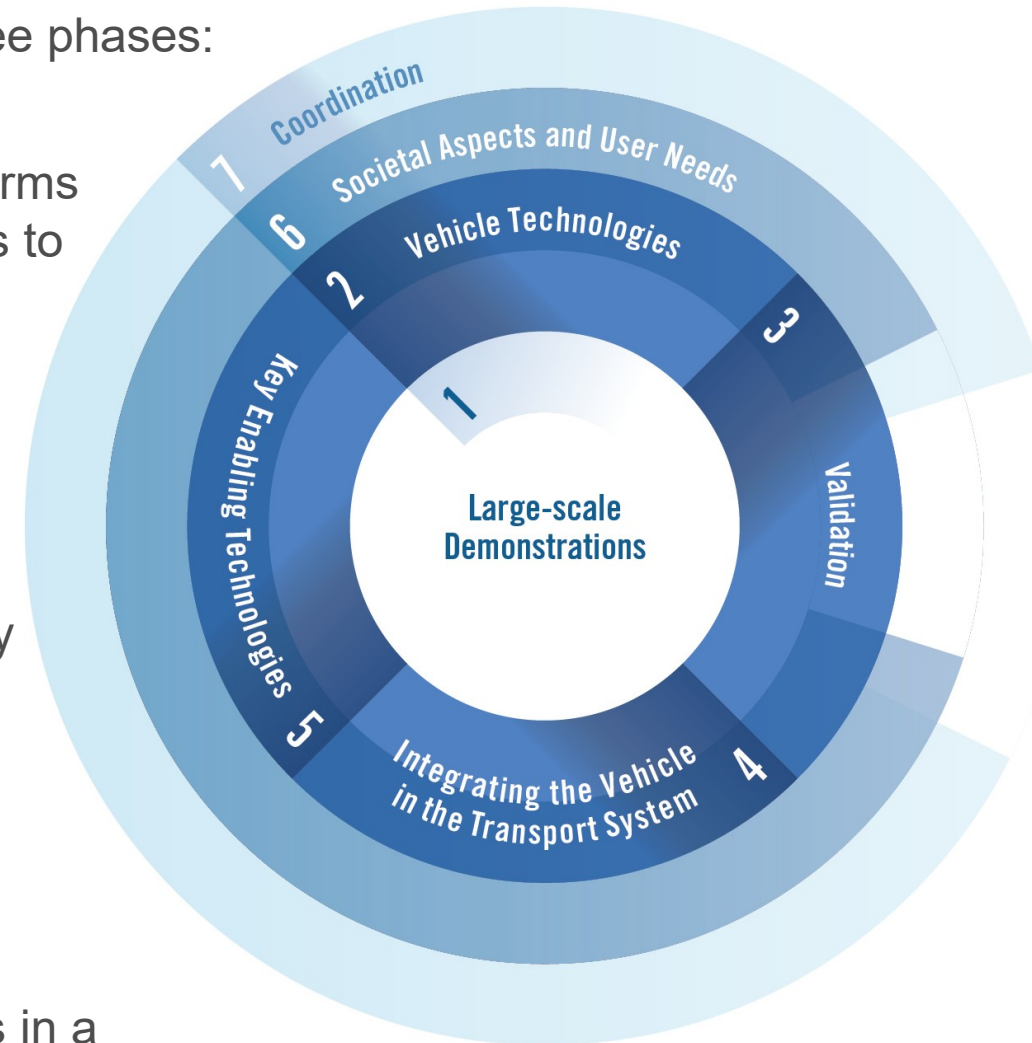
This Phase is dedicated to develop the main building blocks in terms of vehicle and infrastructure technologies, key-enablers, methods to engage with users and citizens, as well as methods to validate safe system functioning.

## **Phase 2 (2025-2027): Advancing technical maturity**

In the second Phase in the programme the CCAM Partnership will advance the technical maturity of technologies by testing and validating in operational environments and if possible already implement in Large scale Demonstrations Projects, or further advance the TRL to prepare them for implementation in the final Programme Phase.

## **Phase 3 (2028-2030): Further implementing in Large-scale Demonstrations all over Europe.**

The final Phase in the Programme will integrate all developments in a Large-scale Demonstration within Field Operational Trials in Living Labs all over Europe.



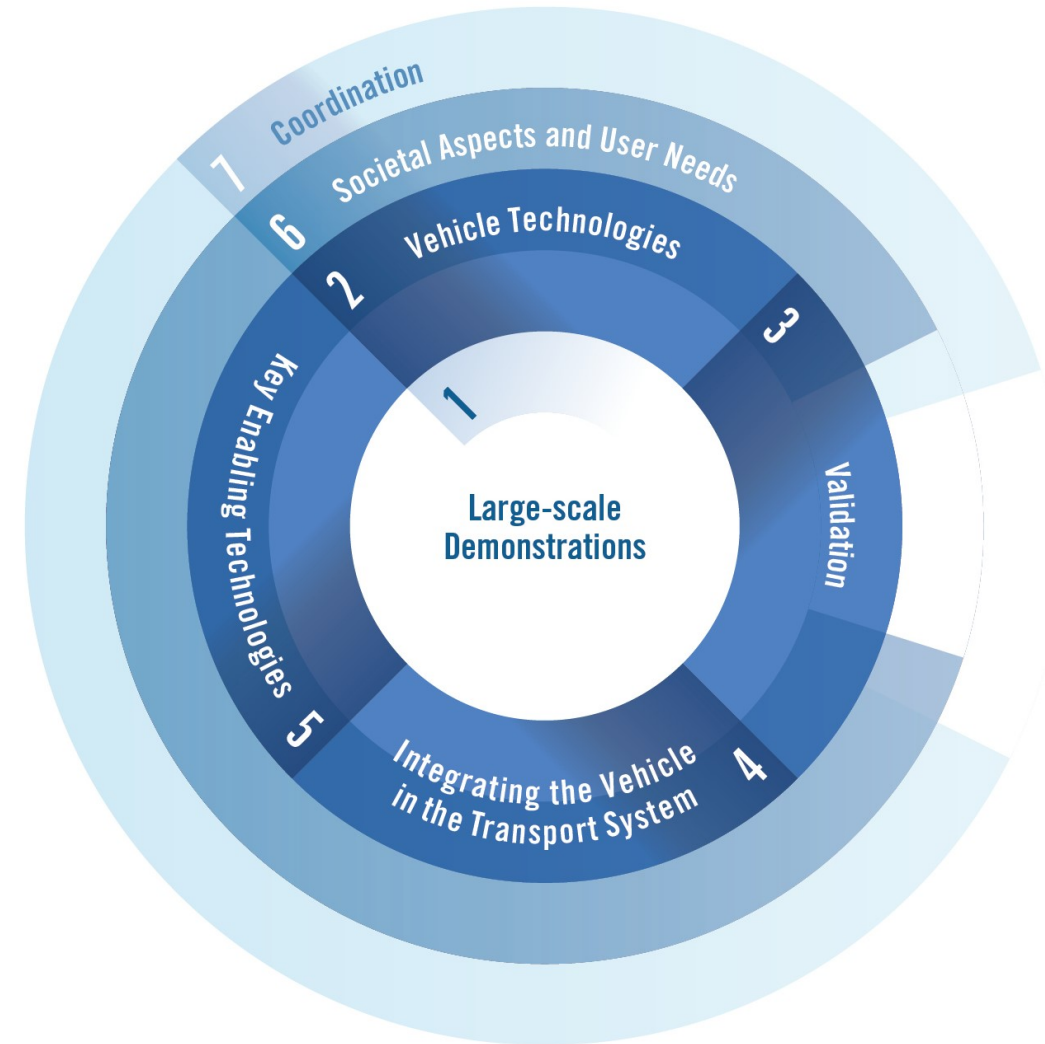
# Timing and research topics for the first Work Programme 2021-2022.

## WP 2021:

- Opening: 15 Apr 2021
- Deadline: 19 Oct 2021 (single stage)
- €74 million

## WP 2022:

- Opening: 14 Oct 2021
- Deadline: 12 Jan 2022 (single stage)
- €88 million



Topic #	CCAM Cluster	Topic title	Year	Type of action	Budget (EUR million)	projects expected to be funded
HORIZON-CL5-2021-D6-01-01	2	More powerful and reliable on-board perception and decision-making technologies addressing complex environmental conditions	2021	IA	15	2
HORIZON-CL5-2021-D6-01-02	3	Common approaches for the safety validation of CCAM systems	2021	RIA	15	1
HORIZON-CL5-2021-D6-01-03	4	Physical and Digital Infrastructure (PDI), connectivity and cooperation enabling and supporting CCAM	2021	IA	18	2
HORIZON-CL5-2021-D6-01-04	5	Cyber secure and resilient CCAM	2021	RIA	12	2
HORIZON-CL5-2021-D6-01-05	6	Analysis of socio-economic and environmental impacts and assessment of societal, citizen and user aspects for needs based CCAM solutions	2021	RIA	8	2
HORIZON-CL5-2021-D6-01-06	7	Framework for better coordination of large-scale demonstration pilots in Europe and EU-wide knowledge base	2021	RIA	6	1
HORIZON-CL5-2022-D6-01-01	1	European demonstrators for integrated shared automated mobility solutions for people and goods	2022	IA	50	2
HORIZON-CL5-2022-D6-01-02	2	Reliable occupant protection technologies and HMI solutions to ensure the safety of highly automated vehicles	2022	RIA	8	1
HORIZON-CL5-2022-D6-01-03	3	Human behavioural model to assess the performance of CCAM solutions compared to human driven vehicles	2022	RIA	8	1
HORIZON-CL5-2022-D6-01-04	4	Integrate CCAM services in fleet and traffic management systems	2022	IA	10	2
HORIZON-CL5-2022-D6-01-05	5	Artificial Intelligence (AI): Explainable and trustworthy concepts, techniques and models for CCAM	2022	RIA	12	2
			Total 2021		74	
			Total 2022		88	
					162	

# The third European Conference on Connected and Automated Driving 20-22.4.2021 (EUCAD)

**Tuesday 20 April 2021**

10:30 – 11:00    Opening session



11:00 – 12:00    Plenary 1: A CCAM Partnership for Europe



The European Commission proposes a new European partnership for Connected, Cooperative and Automated Mobility (CCAM) in Horizon Europe. The objective of this session is to present the vision and objectives of the new European Partnership on CCAM and to discuss the expectations towards the new Partnership from different perspectives: industry, road authorities, cities and the European Commission.