

Horizon Europe: UK–EU CCAM Collaboration Webinar Series 2025

WEBINAR 4- Human-Centred and Inclusive CAM Services

22nd October 2025

www.iukbc.org.uk



Innovate
UK

Business
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Opportunities

CAM Pathfinder: Enable

UK registered organisations can apply for a share of up to £15 million for projects to trial Connected and Automated Mobility (CAM) services for future deployment at scale.

Registration Details

Opens: 20/10/2025 Closes: 17/12/2025 11:00

CAM Pathfinder: Demonstrate

UK registered organisations can apply for a share of up to £20 million for technology focused research and development projects for close to market Connected and Automated Mobility (CAM) solutions. This funding is from UK Government.

Registration Details

Opens: 20/10/2025 Closes: 17/12/2025 11:00

CAM Pathfinder: Feasibility studies 2

Up to £250k per project for UK feasibility studies on commercial deployment of Connected and Automated Mobility (CAM) services.

Registration Details

Opens: 10/10/2025 Closes: 26/11/2025 11:00

Connected Futures: UK–EU Collaboration for Mobility Innovations

Join us for a dynamic hands-on Horizon Europe workshop where UK and European innovators, practitioners, researchers, and policymakers come together to co-create ideas for the future of urban mobility.



<https://iuk-business-connect.org.uk/events/connected-futures-uk-eu-collaboration-for-mobility-innovations/>

<https://iuk-business-connect.org.uk/opportunities/>

Speakers



**Karla
Jakeman**

Head of Safety
Business
Development, TRL



**John
Paddington**

Head of PMO,
ERTICO

Transport Without Barriers: A Journey Towards Inclusion

Karla Jakeman – Head of Safety Business Development



1949
Zebra Crossing



1969
The self-driving Citroën DS19



1997
NCAP launched



2015
Gateway driverless shuttles



2017
HGV Truck Platooning



2020
London Smart Mobility Living Lab



2022
Zero emission freight



1960s
Early simulator



1979
SCOOT deployed in Glasgow



2014
Cycle infrastructure development



2016
Electric double decker bus



2019
Supporting the European Union revision of General Safety Regulations



2021
eScooter safety



2023-25
Autonomous car public trials



Our History in CAM Technology

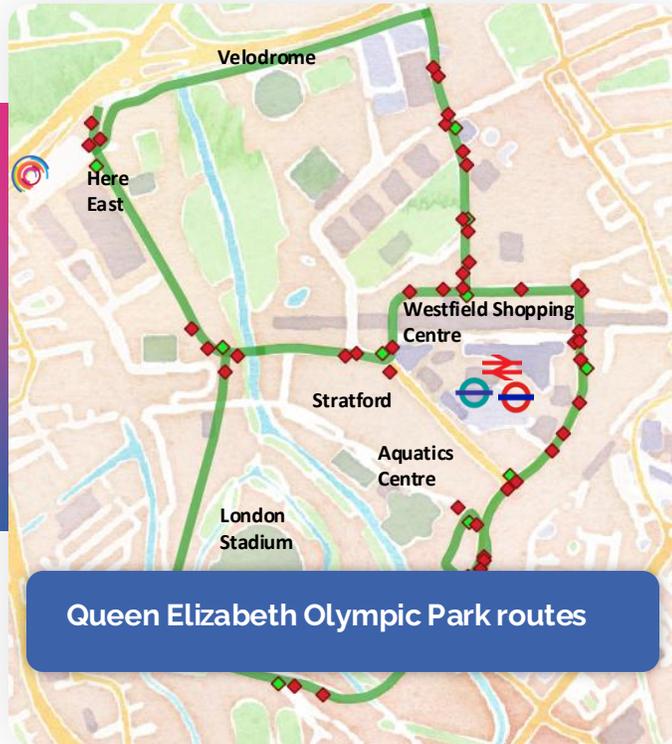


The car was tested at the UK's Transport Research Laboratory.

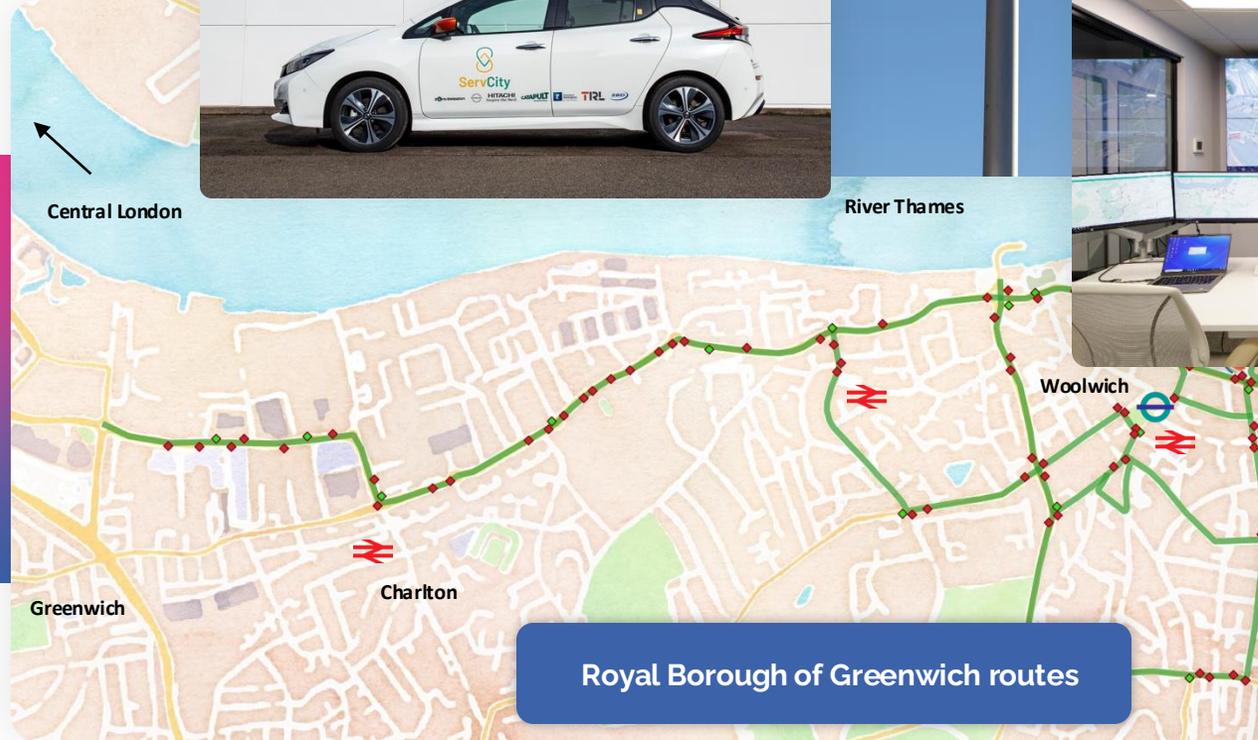
<https://www.youtube.com/watch?v=MwdjM2Yx3gU>

SMLL PUBLIC ROAD TESTBED ENVIRONMENT

24 km of routes, 200+ monitored locations in London



Newer infrastructure, generally lower levels of complexity, ideal for earlier testing (6km).



Wider range of features, environments and levels of complexity (18km). Road types range from 5mph residential to 50mph divided highway.



Testbed routes representing 89% of UK road junctions

The Promise of Automation



- Modern, flexible vehicles
- Improved provision of services
- Improved reliability
- Enhanced safety
- Greater independence

People are diverse – and neurodiverse!

<p>Segment 1 Less Mobile, Car Reliant</p>  <p>Brian</p> <p>I am a wheelchair user and the door-to-door experience is infinitely easier if I drive.</p>	<p>Segment 2 Young Urban Families</p>  <p>Betty</p> <p>Driving helps me to enjoy my retirement and I've become reliant on it due to my arthritis.</p>	<p>Segment 3 Older Less Affluent</p>  <p>Farah</p> <p>My husband and I share our car, and between commuting and school runs – a second car would be very handy!</p>	<p>Segment 4 Comfortable Empty-nesters</p>  <p>Gina</p> <p>I work in adult social care and my car is essential for getting out and about to my clients. I don't have any choice but to drive.</p>	<p>Segment 5 Suburban Families</p>  <p>Jeff</p> <p>We got rid of one of our cars when we retired. With the slower pace of life, we enjoy using bus and train services.</p>	<p>Segment 6 Heavy Car Users, Frequent Flyers</p>  <p>Nigel</p> <p>I work from home a lot more but I still drive to work. I'm hoping that we might be able to afford an electric car soon.</p>
<p>Segment 7 Elderly And Low Income Without Cars</p>  <p>Oliver</p> <p>I use the car every day – it's down to where I live, my job and driving the kids around.</p>	<p>Segment 8 Urban Professionals Without Cars</p>  <p>Peter</p> <p>I miss the freedom of using my car but having an over-60s pass helps me to get out and about.</p>	<p>Segment 9 Young Low Income Without Cars</p>  <p>Pippa</p> <p>My spinal condition means that bus journeys are just too uncomfortable, so I am more reliant on lifts from my daughter.</p>	<p>Segment 10 Urban Professionals Without Cars</p>  <p>Rosa</p> <p>I can get everywhere I need to easily by public transport, but I'd like to use my bike more.</p>	<p>Segment 11 Young Low Income Without Cars</p>  <p>Zoe</p> <p>I can access bus and Metro services from where I live but I'd love to have my own car when I can afford it.</p>	<p>Segment 12 Young Low Income Without Cars</p>  <p>Zahir</p> <p>I'm out of work and struggling financially – so I walk and cycle whenever I can to save money for essentials.</p>

Non-car Owning Segments

Research Institute for Disabled Consumers (RiDC) Social Model of Disability:

- Shifts the focus from the individual to society
- People aren't disabled by their impairments — they're disabled by barriers in the world around them.

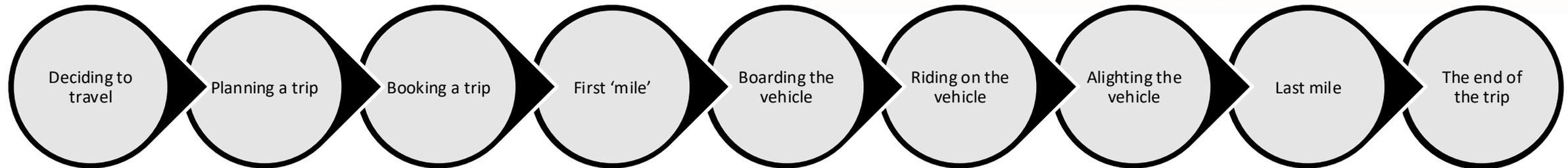
Our role is to remove these barriers through inclusive design, ensuring technology and transport systems work for everyone — not just the average user.

SOCIAL MODEL OF DISABILITY



Are we asking all the right questions?

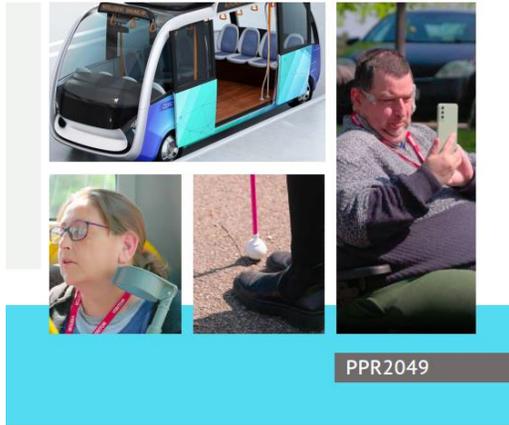
Where do people encounter barriers to travel?



The “End to End Journey” starts before you think...

Will automated transport be accessible?

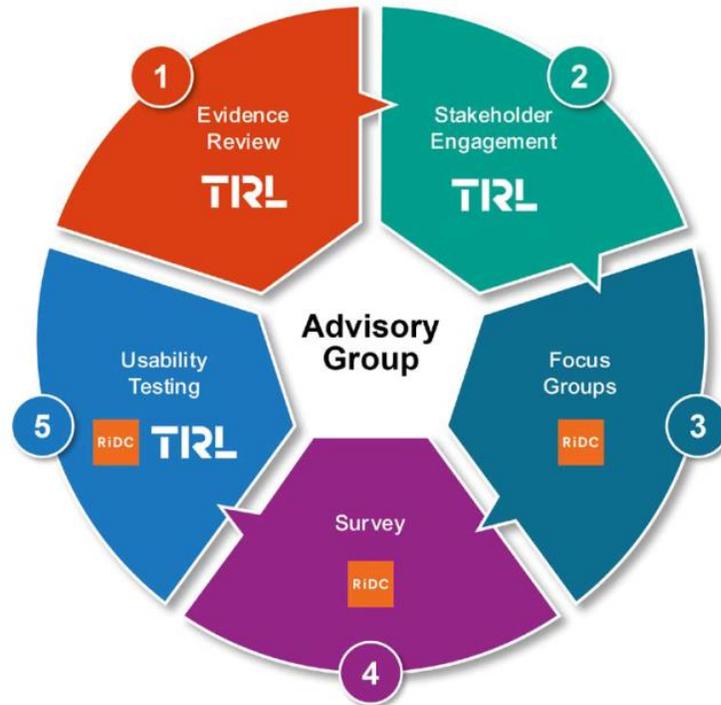
The impact of automated transport on disabled people



PPR2049



Search 'TRL RiDC impact of automated transport on disabled people'



PROJECT REPORT XPR135

Automated Passenger Services:
Researching Driver Roles and
Passenger Inclusivity

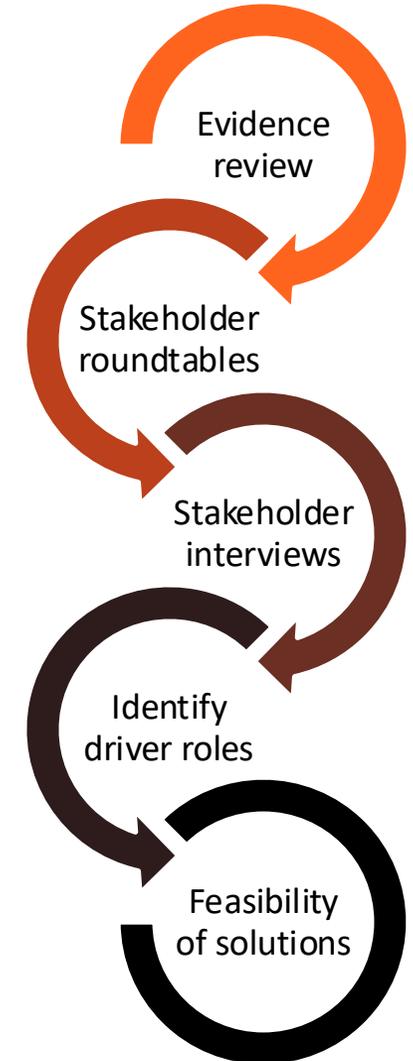
Final Report
June 2024



Final

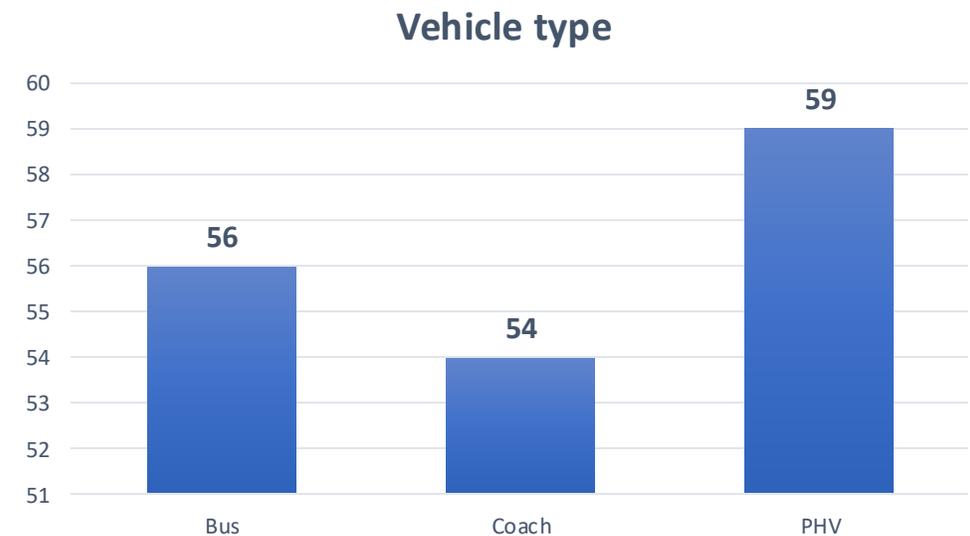
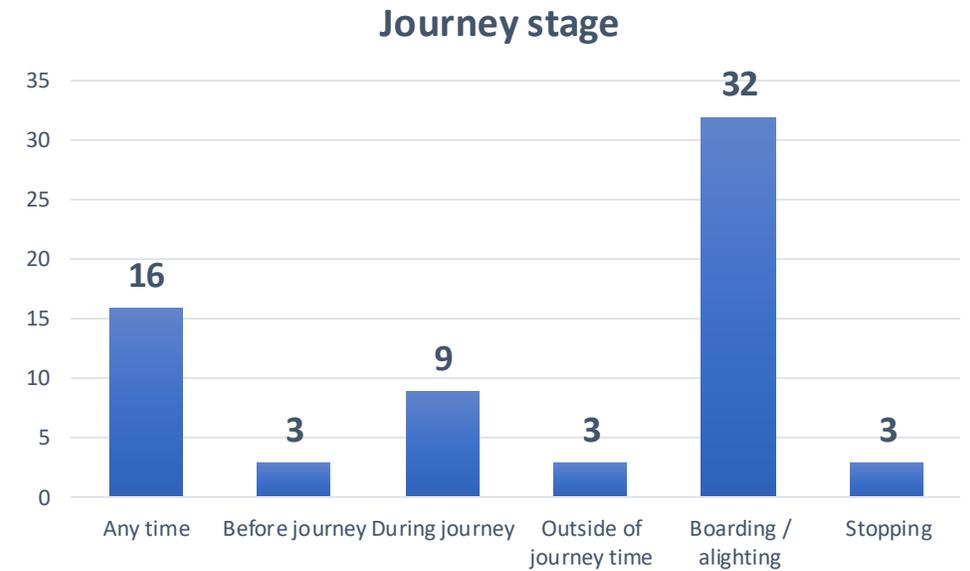
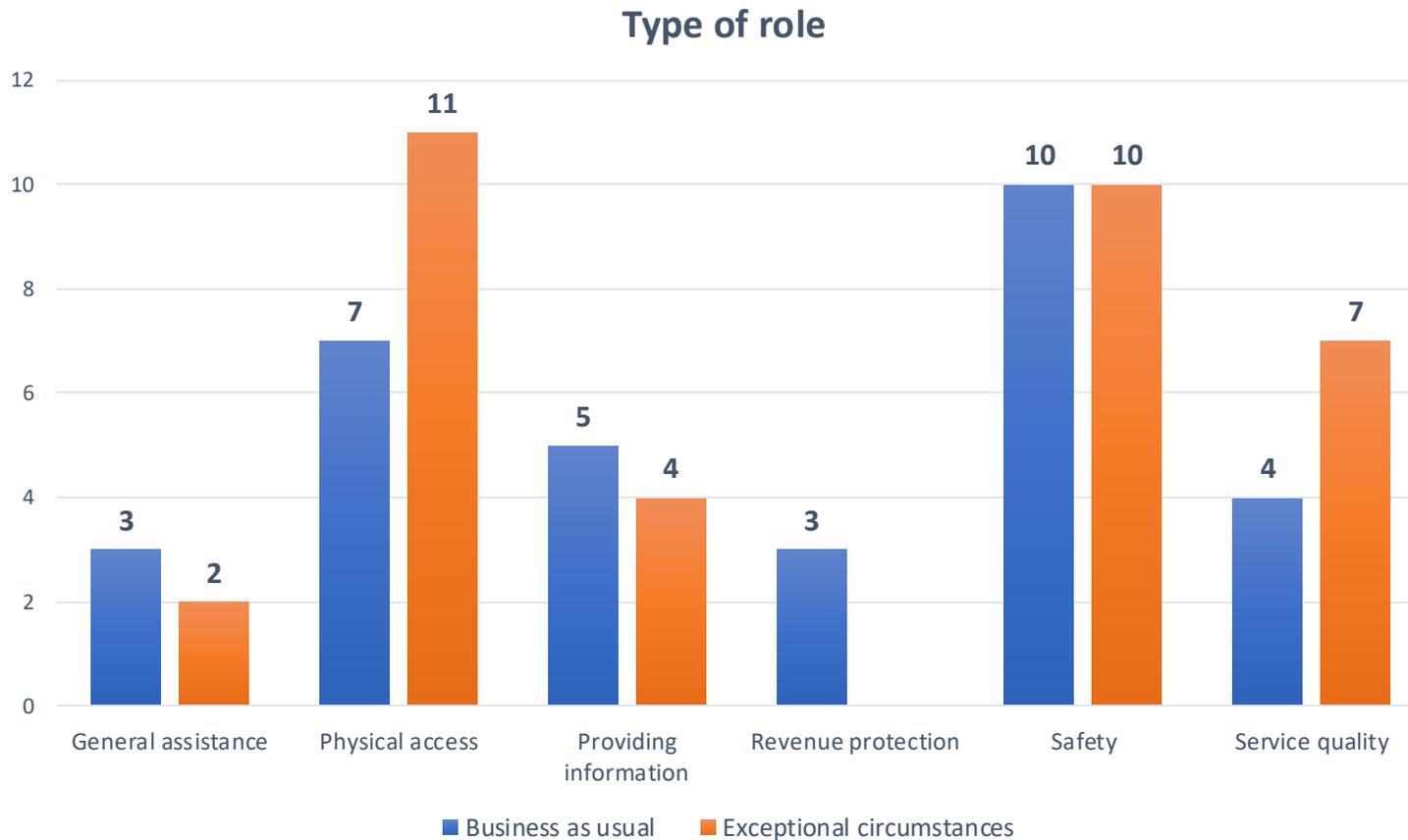
XPR135

Search 'TRL CCAV non driver duties'

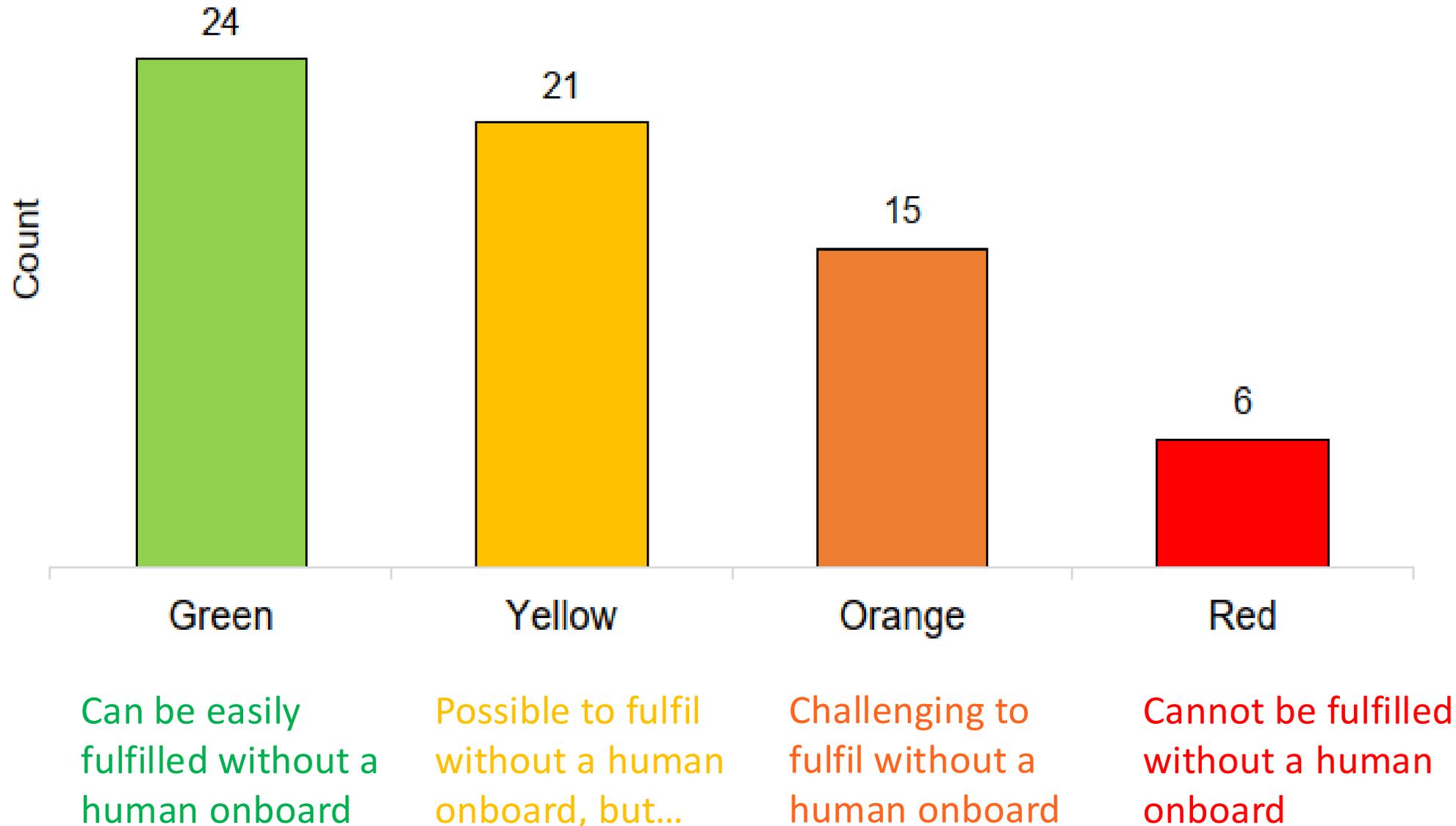


What does a driver do other than drive?

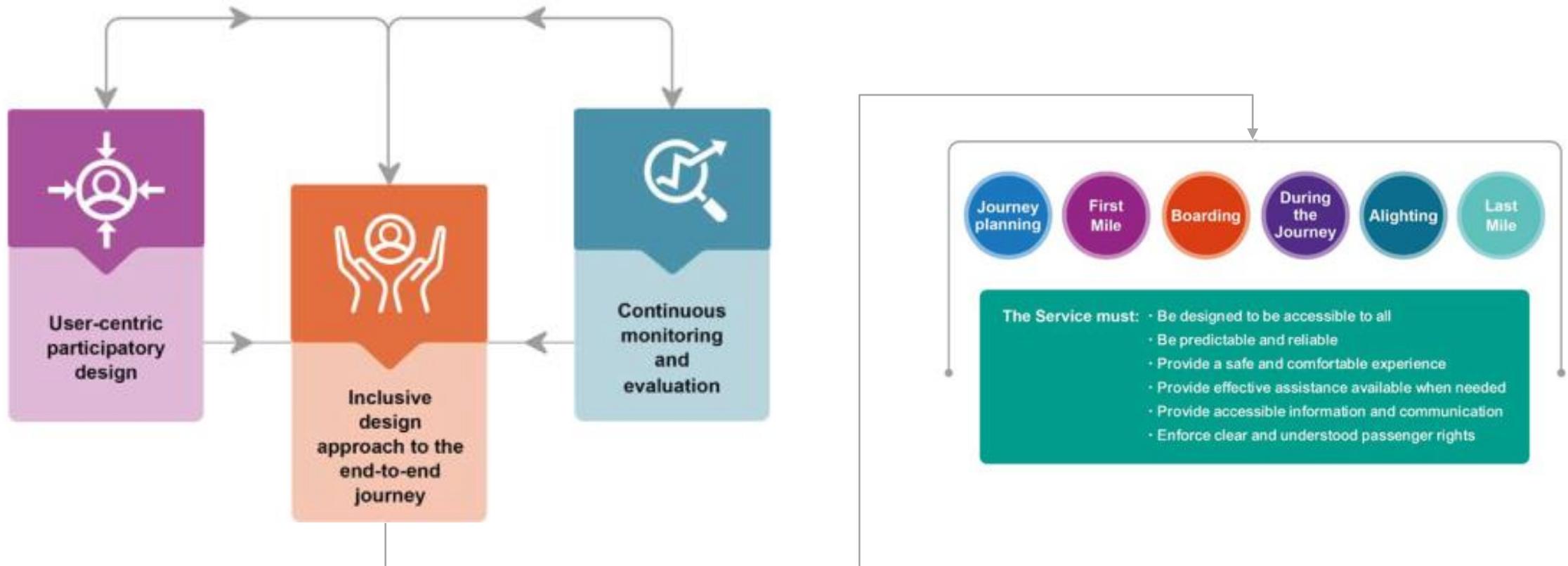
66 non-driving related roles



Can these roles be automated?



How can we deliver more inclusive services?



Final messages....



Karla Jakeman
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Thoughts on Horizon Europe Projects

John Paddington, Head of PMO

INNOVATION
FOR TOMORROW'S
JOURNEY.

ERTICO

120+ Partners

Cross-Sector, not for profit membership organisation

Based in Brussels

Involved in 30+ HE Projects



Hello!

What do I want to talk about:

- How can you benefit from some research already done in HE projects
- Some example HE projects
- Some tips

All in ten minutes (hopefully)...



Note: This is Travel Basil – he's from [St Basils](#) a homeless charity that works with young people in Birmingham. He's probably more famous than me...

CORDIS

The screenshot shows the CORDIS website search results page. The browser address bar displays the URL: cordis.europa.eu/search?q=%27connected%27AND%20AND%20%27automated%27AND%20AND%20%27mobility%27&p=1&num=10&sr=Relevance:decreasing. The page header includes the European Commission logo, a search bar, and navigation links. The main content area shows search results for the query "connected automated mobility".

Search Help

Filter by

connected automated mobility × 🔍

Include archived content ℹ️ Edit query

4 438 results for 'connected' AND 'automated' AND 'mobility'

CONTENT

- Collection +
- Domain of Application +
- Language +
- Programme +
- Last updated +

PROJECT

- Acronym / ID +
- Field of Science (EuroSciVoc) +
- Start/End date +
- Total cost +
- EU contribution +

Smart airports and innovations in multimodality

Airports are at the heart of Europe's transport system. As the European Union works to deliver smarter, more sustainable and connected mobility, transforming airport operations and linking air travel with other transport modes is essential. Research and innovation supported by SESAR Joint...

Available languages: DE EN ES FR IT PL

Last update: 19 August 2025 Add to my booklet

Move2CCAM MethOds and tools for comprehensive impact Assessment of the CCAM solutions for passengers and goods

ID: 101069852

From: 1 September 2022 to: 30 June 2025

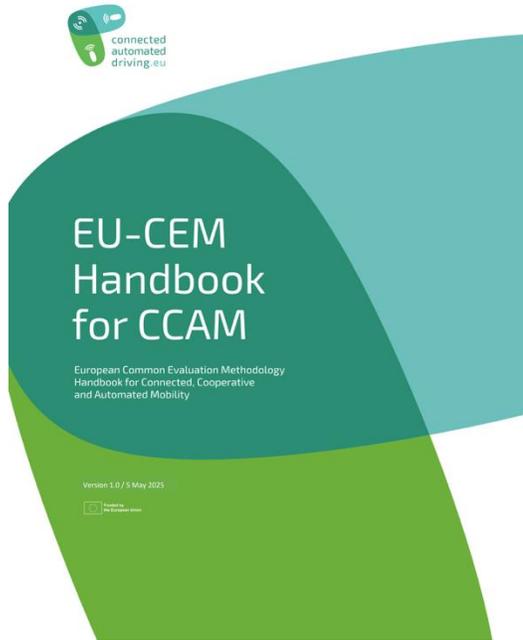
Mobility is crossing a new digital frontier in terms of connectivity, allowing vehicles to communicate to each other, to the infrastructure and to other transport systems users. However, the potential implications and impacts of integration of CCAM solutions into the mobility...

Every funded project listed here

You can see deliverables, links to website, partners, funded amounts

<https://cordis.europa.eu/>

Connected Automated Driving Europe Website



Test sites

Projects: All | Type of test sites: All | Type of vehicles: All | [RESET FILTERS](#)

Map | Satellite

Map showing test sites across Europe. A callout box highlights Hervanta Tampere (Finland).

Find a project

This curated list of over 400 R&I projects and demonstration activities related to CCAM includes both European (funded by the EC or other sources) and national programmes, encompassing ongoing and completed projects (dating back to Framework Programme 7). Each entry includes basic information such as a short description, project duration, pilot site locations, funding type, and link to further details. Projects are categorized by keywords reflecting thematic areas, issues, topics, or functionalities. The list can be filtered by keyword, demonstration country, and funding type.

[Send us a new/ missing project reference](#)

User note:

Key words in the "Issues & Topics" filter also include partial functionalities of use cases - combine them to emulate a specific use case you are looking for

Thematic Area: All | Issues & Topics: All | Test sites locations: All | Funding: All

Search:

Logo	Name	Description	Dates	Test sites	Funding	Link	Map
	I-AT	Self-driving transport in the border region of The Netherlands and Germany. Study and test self-driving, also cross-border, transport of passengers and goods in practice	01/03/2017 - 31/12/2020	Self-driving shuttles at Weeze Airport, Wageningen - Ede (Netherlands), Test track of Aldenhoven near Aachen (Germany) and cross-border Aachen (Germany)-Vals (Netherlands). Truck platooning trials on 70,000 km international routes through the Netherlands and Germany.	EU ERDF	Read more	Show Map
	@CITY	@CITY is creating the foundations for safe, stress-free, efficient and comfortable driving in the city based on innovative, automated driving functions.	01/07/2018 - 01/06/2022	Germany	MS	Read more	Show Map
	3SA	Simulation for the Safety of Autonomous Vehicle Systems	01/04/2019 - 30/04/2023		MS	Read more	Show Map
	5G BALKANS	Deploy uninterrupted connectivity along the "Orient-East-Med" corridor covering the Bulgaria-	01/01/2024 - 31/12/2026	Sofia, Dimitrovgrad, Kalotina (BG); Belgrade (RS)	EU CEF	Read more	Show Map

CCAMBassador Project (CSA)
Coordinated by ERTICO, June 2025 - May 2028
<https://cordis.europa.eu/project/id/101203053>



Funded by the European Union

<https://www.connectedautomateddriving.eu/>

Sinfonica Knowledge Map Explorer

<https://www.sinfonica-kme.eu/>

Travel Behaviour and Transport Use

Analyze in detail the travel habits and transport. By selecting filters like "country" and "group category," you can discover the most frequently used transport modes in different geographical areas and social group categories. Delve deeper into transport preferences for specific activities such as work, study, or leisure, and observe how these choices vary across regions and groups.

Select country:

Greece Germany Netherlands United Kingdom All

Select group category:

Elderly Cognitive Disabilities Digital Vulnerable People Gender Inequalities Young (18-25)
Migrant Single parent family Rural inhabitants Cyclist Physical Disabilities Low income
University students

Transport modes**

- Bike-Normal Bike
- Private Car As A Driver
- Public Transport Bus
- Public Transport Metro

Public Transports

25% 25% 25% 25%

Office Campus transport

No data

Private car

50% 50%

Taxi (Private, UBER)

No data

Motorbike

No data

Bike

50% 50%

Walk

No data

**The Groups of Interest from which the data were collected were established in the city of Trikala in Greece, the municipality of Hamburg in Germany, the Province of Noord-Brabant in the Netherlands and the West Midlands in the United Kingdom.
** For reasons of readability, only percentages of 9% or more are shown in the graphs. More information can be obtained by moving the cursor over the section of interest.

Guidelines for CCAM demonstration projects

Service planning and specification

Target audience: Researchers, Public authorities commissioning research and innovation (including EU institutions), Transport authorities, Operators

Participatory approach for large-scale demonstration projects

Target audience: Researchers, Public authorities commissioning research and innovation (including EU institutions), Transport authorities, Operators

metaCCAZE: A City Missions Project

...that enable combined electrification, automation and connectivity:



2 Harmonise:

AI Data Warehouse for multi-sectorial and sensor data

1 Align:

Decentralised AI to align grid-fleet-demand

3 Charge:

Inductive and mobile charging infrastructure

4 Automate & Connect:

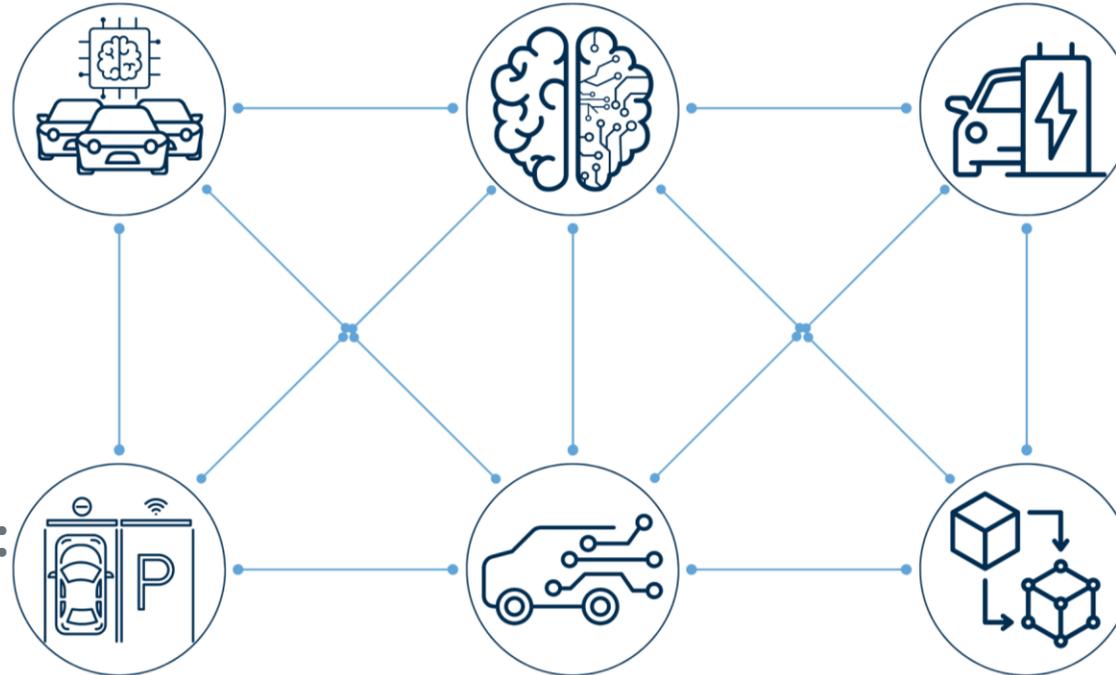
Remote control centers for AVs & ADAS for parking and docking

6 Digital Twin:

Planning & optimisation

5 Manage:

AI-driven (re-) scheduling tools & supply demand matching for on demand shared e-services



Living Labs



Trailblazers



Amsterdam – the Netherlands



Munich – Germany



Tampere – Finland



Limassol – Cyprus

Followers



Athens – Greece



Krakow – Poland



Gozo – Malta



Milan – Italy



Miskolc – Hungary



Poissy, Paris – France

Observer Cities: Alexandroupolis (GR), Braga (PT), Bremen (DE), Bucharest (RO), Bursa & Nilüfer (TR), Cahul (MD), Helmond (NL), Liepaja (LV), Naples (IT), Vitoria-Gasteiz (ES)

No spoilers for the next webinar....



CulturalRoad



CulturalRoad (RIA)
Coordinated by ERTICO, May 2024 – April 2027
<https://cordis.europa.eu/project/id/101147397>



What is it like in a HE Project

Why:

- Building connections / Understanding customers
- Collaborative development
- Get to travel 😊
- A lot of costs can be claimed (if needed for the project and declared up-front)
- **Good funding rates:**
Private: 100% RIA / 70% IA + 25% overhead
Others: 100% + 25% overhead
Most projects allow pre-financing

What is good to know:

- **Get to know your Coordinator (and by extension the CINEA PO)**
- Admin is manageable (if planned)
- You can make tweaks between Proposal and Grant Signing
- Be sensible on deliverables / milestones
- Be clear on your IPR needs up-front
- Check to see if your proposal is [lump sum funding](#)
- Build upon your existing work



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INNOVATION
FOR TOMORROW'S
JOURNEY.

Pitching

RADAREYE HAS PIONEERED RADAR+CAMERA FOUNDATION MODELS FOR IMPROVED PERCEPTION IN AUTONOMOUS VEHICLES AND SURVEILLANCE

Cranfield University –Driving Automation Group –
Coventry University Centre for Connected and Autonomous Automotive Research

Prop Topic: **HE CCAM Topic of Interest**

Logo

Proposed Approach <ul style="list-style-type: none">What is your understanding of the part of the topic problem you can solve?	Organisational Capabilities <ul style="list-style-type: none">What Skills, capabilities, facilities does your organisation have that will be vital for this project?
Experience <ul style="list-style-type: none">What previous, relevant work or track record can you bring to the a consortia	Administrative Information <ul style="list-style-type: none">Are you planning on being a coordinator or a partner?

Horizon Europe: UK-EU CCAM Collaboration Webinar Series 2025

TEMPLATE : <https://custom-eur.cvent.com/1EEE3F7178EC486E8926B23F55A0B125/files/1713637ffebd4beb969054c22a864269.pptx>

Anthony Gallego
Automated Mobility Knowledge Transfer
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Submit your 1 page pitch decks! To be included in the digital brochure we will compile at the end of this series!



CL5-2026-10-D6-01 Flagship-pilot: large scale demonstrations of CCAM...

CL5-2027-05-D6-05 EU CCAM knowledge hub and tools...



Proposed Approach

The Flow propose reuse of large scale real-world human driver data to support CCAM projects. This would support with:

- 1) CAPABILITY: Risk analysis – to support operational design domain formation, testbed/route selection or deployment safety criteria.*
- 2) TOOLS and DATA: Simulation testing and validation – providing real world location scenario data to help support verification and validation activities with real world test data.*

The Flow's large-scale data and analytic resources bring driving behaviour insight across all differing environments including extreme outlier and risk behaviours. The Flow beyond technical, data & analytic work offer to support data management, ethical data protection, compliance aspects, risk management and IP areas as may be needed.

The Flow is keen to focus on data analytics especially in risk or vehicle behaviour (global leader).

Experience

The Flow, has a strong track record in CCAM and risk R&D including:

- Enabling Europe's first Robotaxi launch (covering areas of planning, operating and measured risk)*
- Collaborative autonomous projects, e.g. MOVE_UK (UK CCAV project) prior work includes work with: leading OEMs, global 1st tier1 supplier, Leading research orgs, testbeds – prior roles have focused upon CCAM risk and data areas including dedicated projects on validation approaches.*
- Horizon and EU projects in road risk areas (e.g. PHOEBE (ongoing) leading, data and AI management and USE cases – focus is calculating locational risk under differing scenarios)*
- Supporting governments (directly contracted to UK's agencies supporting vehicle type approval data analysis work + technical legislative work supporting GB-Approval covering areas of vehicle data capture and type approval requirements).*

Organisational Capabilities

Data, Analytics & management supporting partner.

The Flow has a recognised track record in globally impactful R&D projects including CCAM/CCAV projects. Working with collaborative partners, governments and regulators in areas related to risk and vehicles.

The Flow have globally unique mobility behavioural data, risk focused knowledge & technical analytics capabilities.

Administrative Information

The Flow are happy to:

- lead technical **OR** data WPs,*
- Lead data/ethics management, data protection, compliance, IP and risk management areas*
- Or simply be a collaborative partner.*

Contact details:

Dr. Sam Chapman

Sam@theflow.com

<https://www.linkedin.com/in/samchapman/>

+44(0)7595821729

The Flow (PIC number 950743270)

Proposed Approach

- Collective Decision Making among CCAMs
- Predicting road user behavior
- Explaining road user behavior to Autonomous Vehicles
- Predicting vehicles' driving style

Organisational Capabilities

- Access to large pool of researchers and academics
- Access to a wide network of industry partners
- 1-1 Match PhD funding available

Experience

- Collective Decision Making
- Human-swarm Interaction
- Swarm Coordination

Administrative Information

- Seeking Partnership Role
- Email: M.Soorati@soton.ac.uk
- University of Southampton, UK
- PIC: 999975329

Autoware Foundation – Flagship-pilot: large-scale demonstrations of CCAM

(CL5-2026-10-D6-01)



Proposed Approach

- **Provide the open-source autonomous driving software backbone** for large-scale CCAM pilots.
- Enable integration of diverse vehicle platforms, sensors, and AI models in a neutral, validated stack that strengthens Europe’s resilience and independence.
- Support real-world demonstration by reducing cost, duplication, and vendor lock-in.
- Contribute also to Geopolitical competition and socioeconomic resilience (2026-02), Generative AI (2026-03) and Knowledge Hub (2027-05) calls, ensuring synergies across CCAM projects.

Organisational Capabilities

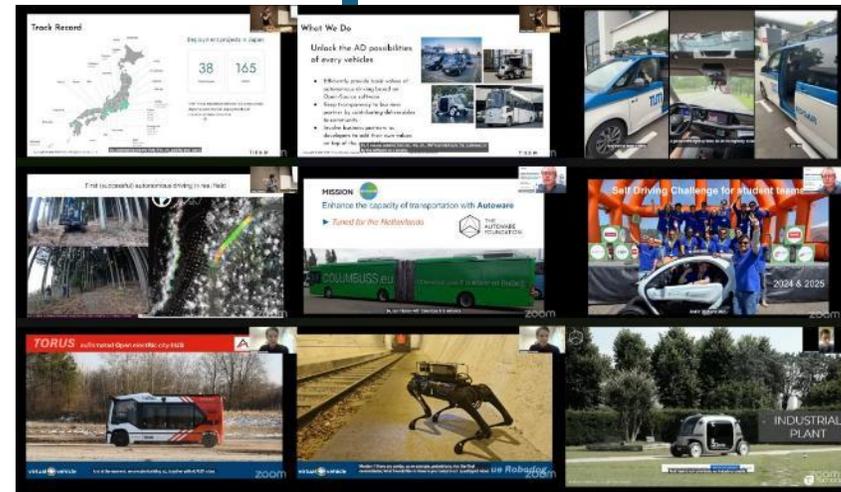
- Autoware Foundation: **Neutral, non-profit** steward of the Autoware open-source stack.
- Global community (100+ members) and contributor base providing expertise in perception, planning, control, and validation.
- Access to simulation, validation tools, and integration pipelines.
- Proven track record in aligning industrial, academic, and public stakeholders.

Experience

- 10+ years of global open-source AD stack development with proven deployments in low-speed shuttles, logistics, and testbeds
- Active collaborations with global OEMs, Tier-1s, research institutes, universities, and city pilots
- UNECE WP.29 & WEF cite Autoware as enabling standardized, open-source development
- Involved in pilots such as Tier IV L4 shuttles in Japan, EU projects (e.g. SHOW, VEDLIoT), and university testbeds
- Foundation-led community building, autonomous system standardisation, & governance

Administrative Information

- Role: Partner (enabling software backbone, validation pipelines, and ecosystem support)
- Country: Global / Japan HQ, UK CLG (TBC)
- PIC: TBC
- Contact: Steve Taylor
steve.taylor@autoware.org



Proposed Approach

- Perception:** Deliver validated full sensor stack demonstrating robust perception capabilities
- Explainable Decision Making:** Develop validated models of human driving behaviour in safety-critical scenarios; Resolve limitations of general-purpose AI hardware
- Data & Simulation:** Large scale data collection and model training; Develop high-fidelity digital twin for scalable validation
- Safety & Security:** Audit aligned with ISO 26262 requirements; HARA for remote intervention functions
- Large-Scale Deployment:** Improve safety driver interface & passenger management system; Testing in expanded ODDs

Organisational Capabilities

- MOTOR Ai** is building a complete Level 4 AD-software stack designed for retrofit on production vehicles:
- Multimodal Perception** and Sensor Fusion: Lidar, Radar, Camera, IMU, GPS, supported by HD-Maps
- Decision Making:** Software layer based on Active Inference as part of explainable AI architecture; proof of security according to regulatory needs
- Motion planning:** Trajectory planning with built in-constraints ensuring safe and comfortable driving
- Hardware:** Integrated sensor suite, Drive-by-Wire, and computing hardware enabling retrofit of production vehicles
- Technical Supervision:** Fleet monitoring and intervention system

Experience

- Customer projects:** Experience in real-world-applications of implementing autonomous driving Level 4 in public transport in Germany.
- R&I collaboration:** Experience in applied research projects, gathered in cooperation projects with the German Aerospace Center (DLR).
- Real-World demonstrations:** Test permit received by German Federal Transport Agency (KBA) in Q2/2025 for public road testing in Germany. Proven capability to bring AI-driven prototypes to practical use cases.

Administrative Information

PIC 894153179

Philipp Ehner | Public Funding Manager

philipp.ehner@motor-ai.com

MOTOR Ai GmbH
www.motor-ai.com
Scheringstraße 1
13355 Berlin



Proposed Approach

- Understand public trust & readiness at the:
 - Consumer level, expectation leading to user centred product and service design accessible to all
 - Accessible to persons of reduced mobility
 - Safety and security e.g. for lone female passengers
 - Operator level; inclusive and accessible service design
 - Efficient remote assistance with bi-direction comms with consumers

Organisational Capabilities

- 3 DoF Motion platform immersive human in the loop driving sim
- SecureCAV testbed Human in the loop cyber simulation
- Remote ops Centre
- 2 fully automated Streetdrone ENV 200 MPVs

Staff: 20 Researchers; 28 Total Staff
PhD: 48 current PGRs
2024 Income: Over £1.8m
Outputs 2024: 51% Q1; 18 in Top 10%



Experience

Nationally funded and CCAV projects -

- [Project CERTUS](#) – Integrating physical vehicles into mixed reality simulation environment to test partners development of AI driven search space optimization to discern what to test , how to test and when to stop testing.
- [AI Security Institute - SynSafe project - Use of synthetic data for Safe AV development](#)
- [UKCITE: UK Connected & Intelligent Test Environment \(UK CITE\)](#)
- [Safely Advancing Vehicle Automation On Roads \(SAVOR\)](#)
- [Solihull & Coventry Automated Links Evolution \(SCALE\) project - Deployment of L4 AV buses at the National Exhibition Centre \(NEC\)](#)

Engagement

- [Member of UK Autocouncil CAM Working Group](#)
- [CCAM Member](#)
- [Local Authority Transport Board Member](#)

Administrative Information

PIC 999612161

Partner Role

Contact:

Kevin Vincent

Director, Centre for Connected and Autonomous Automotive Research and NTDC

Research Centre Future Transport and Cities

Coventry University,

| m. +44-7974-984581 | e. k.vincent@coventry.ac.uk



Research Centre
Future Transport and Cities



Thank you and Reminder

29nd of October 2025 , 12pm GMT



<https://iuk-business-connect.org.uk/events/horizon-europe-uk-eu-ccam-collaboration-webinar-series-2025/>

Anthony Gallego

Automated Mobility Knowledge Transfer
Manager

Innovate UK | Business Connect

Anthony.Gallego@iukbc.org.uk

Submit your 1 page pitch decks! To be included in the digital brochure we will compile at the end of this series!