



FEDERATED CCAM DATA EXCHANGE PLATFORM

CCAM WORK PROGRAMME 2025

CCAM Cluster	Topic title	Type of action	Budget (EUR million)	# of projects expected to be funded
Cross-cluster	Advancing remote operations to enable the sustainable and smart mobility of people and goods based on operational and societal needs – Societal Readiness Pilot	RIA	12	2
1	Preparing for large-scale CCAM demonstrations – <i>Societal Readiness Pilot</i>	CSA	4,5	1
2	Next-generation environment perception for real world CCAM operations: Error-free and secure technologies to improve energy-efficiency, cost-effectiveness, and circularity	RIA	8	2
3	Integration of human driving behaviour in the validation of CCAM systems	RIA	5	1
5	Approaches, verification and training for Edge-AI building blocks for CCAM Systems	RIA	4	1
7	Federated CCAM data exchange platform	IA	4	1

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Organisation name	IN-MOVE
Interest in the call and / or expertise to be brought into a consortium	<ul style="list-style-type: none">• Data Space use case around Public Transport/Passenger mass mobility in BCN area• Technical capabilities to develop the Data exchange platform based on running project to develop and manage data spaces. https://www.sqs.es/data-spaces/?lang=en
Contact details	Vicent Pastor otp@railgrup.net IN-MOVE

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Organisation name	FZI Research Center for Information Technology
Interest in the call and / or expertise to be brought into a consortium	Background and expertise <ul style="list-style-type: none">• Digital Twin of an existing urban test area for AD• Tooling and assets to create urban virtual environment models (Unreal)• Experience with GAIA-X services, federated architectures and certification• genAI-driven anonymization of visual sensor data• Edge-Case/OOD Detection, Data Analysis and Semi-Automated Labeling of AI data• Open Data Approaches for Mobility Data (Movement Data, ITS-G5 Data) and Traffic Analysis Interests and ideas <ul style="list-style-type: none">• Provide anonymized camera data or services; Provide virtual testing capability and data• Semi-automated mining and Labeling Methods for Multi-Scale Traffic Data (Flows, Sensor Data, ITS-G5, ...)
Contact details	Alexander Viehl, Division Manager, viehl@fzi.de ; +497219654414

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Organisation name	RISE Research Institutes of Sweden
Interest in the call and / or expertise to be brought into a consortium	<p>Interest in identifying the tradeoffs between privacy/security and the usability and performance of the federated CCAM Data Exchange Platform. For example, how compliance with regulations, such as GDPR or Cyber resilience affect the performance of the platform and how to mitigate the potential negative impacts.</p> <p>Extensive expertise in safety and cybersecurity standards and regulations. Expertise in software architecture including tradeoff analysis.</p>
Contact details	mazen.mohamad@ri.se

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Organisation name	TECNALIA
Interest in the call and / or expertise to be brought into a consortium	<p>Data Spaces architecture, design and development, additionally TECNALIA is member of GAIA-X</p> <p>GenAI techniques to develop solutions such as synthetic data generation or language interpretation</p> <p>Use Cases. Using and sharing data for:</p> <ul style="list-style-type: none">-Real-time infrastructure state monitoring-Driver monitoring systems-Motion prediction
Contact details	sergio.diaz@tecnalia.com , luis.viso@tecnalia.com

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Organisation name	Fondazione LINKS
Interest in the call and / or expertise to be brought into a consortium	<ul style="list-style-type: none">• Provision of a DLT-based Federated Marketplace for CCAM data sharing compliant with the principles of European Data Spaces and the International Data Space Association (IDSA) standard.• Expertise in the development of a federated platform for the energy sector data exchange within the HEU DATA CELLAR project (based on DLT to ensure data quality and to enable data sharing monetization).• Provision of a C-ITS central station that is in charge to receive CCAM related information from multiple sources using different data formats, ontologies and standards (e.g., DATEX II, ETSI ITS, TMC, and TPEG2-TEC), to convert them in suitable formats for the delivering to specific recipients according to their needs.• Implementation and hosting of a local Data Exchange leveraging on the CCAM-Digital Twin of the City of Turin that is currently under development by LINKS. This will include several data sources starting from RSUs equipped with camera and LiDAR, "standard RSUs", cameras, and different sensors coming in next months.
Contact details	Daniele Brevi, Tiziana Delmastro daniele.brevi@linksfoundation.com , tiziana.delmastro@linksfoundation.com

FEDERATED CCAM DATA EXCHANGE PLATFORM

Organisation name	Chalmers
Interest in the call and / or expertise to be brought into a consortium	<ul style="list-style-type: none">-Methodologies for merging different transport, network and mobility data sources-Framework for incorporating multiple independent data sources and combine them for comprehensive, accurate and representative conclusions in assessment of ADS-Driving scenarios for performance assessment and evaluation of ADS <p>Previous project experience include Drive C2X, HiDrive, L3-Pilot, EuroFOT, Udrive, V4 Safety</p>
Contact details	Jordanka.Kovaceva@chalmers.se , Robert.Thomson@chalmers.se

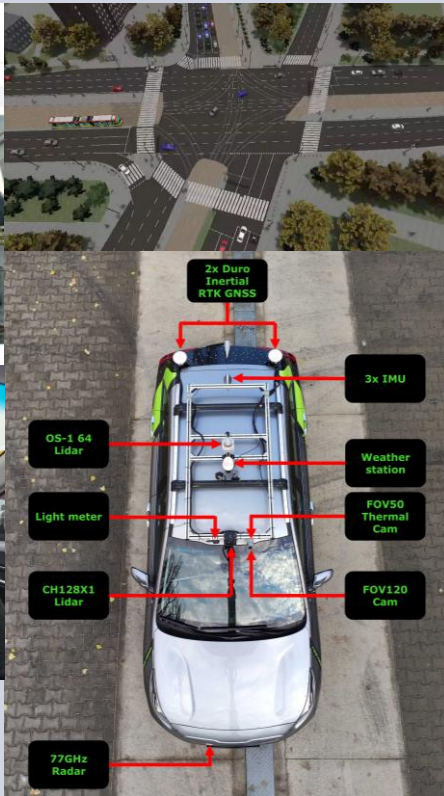
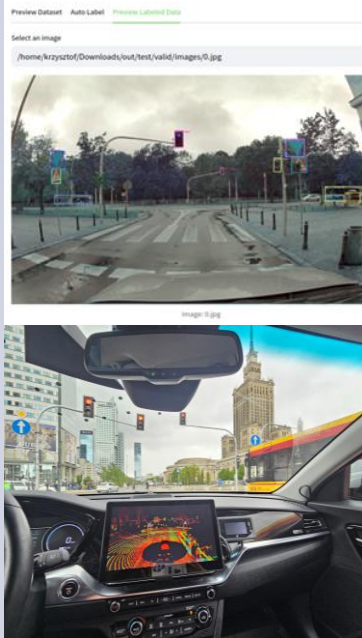
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Organisation name	IKERLAN
Interest in the call and / or expertise to be brought into a consortium	<ul style="list-style-type: none">• Seamless data exchange: Development and improvement of connectors and APIs to facilitate data exchange in the CCAM Data Space.• Extension of connectors for Federated Learning (flower), allowing distributed training without compromising privacy.• MLOps platform for managing the lifecycle of models in the CCAM Data Space.• Solutions on federated learning to improve mobility intelligent models in a distributed manner.• Solutions for ensuring the safety and efficiency of early CCAM deployment in the interaction of drivers, riders, passengers, traffic participants and automated systems performing driving tasks in mixed traffic.
Contact details	Andoni Amurrio, aamurrio@ikerlan.es

Organisation name

Łukasiewicz Research Network – Automotive Industry Institute (Łukasiewicz-PIMOT)

NDS Automatic Data Annotation



- **Experimental & synthetic road data collection** (incl. AV perception, drivers and other road users behaviors, traffic flows)
- **534 road scenarios from Warsaw for different weather conditions** (8-9 Hz synchronized dataset from Lidars, radar, RGB & thermal cameras, IMU, GNSS, weather, illumination, ~500k frames)
- **Developing** systems (perception, decision, planning), digital twin models, simulations environments
- **Validation** of CCAM systems
- **AI models** developing & machine learning (object detection & segmentation, MLLMs)

Contact details

ewa.dargiewicz@pimot.lukasiewicz.gov.pl

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Organisation name	TNO
Interest in the call and / or expertise to be brought into a consortium	Hosting of data platform(s) Development of methods and toolsets for data collection, data storing and data mining tailored for CCAM Linking to EDIC dataspaces for Mobility and Logistics
Contact details	Bart.netten@tno.nl


FEDERATED CCAM DATA EXCHANGE PLATFORM

Organisation name	Forum Virium
Interest in the call and / or expertise to be brought into a consortium	<p>Main interest is in interplay between this platform and cities; ie cities utilizing the (hopefully refined) data collected by CCAMs, and also explore this platform's impact on cities providing information to CCAMs</p> <p>The Digital Twin for Mobility in Helsinki has been addressing this issue for last 3-4 years, linked to the experience from roughly 10 CCAM pilots since 2015 (incl automated busses, delivery robots and utility vehicles)</p>
Contact details	Sami.sahala@forumvirium.fi

FEDERATED CCAM DATA EXCHANGE PLATFORM

Organisation name	LIST (Luxembourg Institute of Science and Technology)
Interest in the call and / or expertise to be brought into a consortium	<p>Design, development, test and demonstration data spaces and digital twins for CCAM.</p> <p>Monetisation and compensation aspects via Blockchain and DLT technologies.</p> <p>Interoperable design of data spaces through Geospatial data interoperability, data uncertainty assessments, up- and downscaling</p> <p>We are representing the Luxembourg in the EDIC Mobility Data Space and are collaborating with Post.lu who is hosting the Data4RoadSafety infrastructure.</p>
Contact details	pascal.lhoas@list.lu

FEDERATED CCAM DATA EXCHANGE PLATFORM

Organisation name	 Met Office
Interest in the call and / or expertise to be brought into a consortium	<p>Met Office, the UK's National Meteorological Service, has extensive experience in providing transport meteorology and consultancy both domestically and internationally. Since 2020, we have been involved in UK and European government-funded projects and standards related to CCAM sensors, ODD, MRX, and Space Weather.</p> <p>Our expertise enables us to support consortia in addressing various aspects of the dynamic weather environment, including the challenges and opportunities associated with CCAM sensors and ODD.</p>
Contact details	michael.szczepanski@metoffice.gov.uk

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Polytechnic University of Bari, Italy - POLIBA	
Interest in the call and / or expertise to be brought into a consortium	<p>POLIBA has a long experience in EU HORIZON projects on transport of people and goods (CO-GISTICS, AEOLIX, FENIX, optiTruck), CCAM (IN2CCAM, CHORUS), as well as on related fields, like Electric Mobility (NEMO, eCharge4Drivers) and communications (6G-TWIN). On these projects, POLIBA develops several activities, such as project, WPs and Tasks management, design and implementation of tools using modelling, simulation, AI, optimization, automation, Digital Twins, etc., management of Living Labs in Bari, involvement of different types of stakeholders, development of Use Cases and definition and use of evaluation methodologies and assessment of KPIs.</p> <p>For this call, POLIBA is interested in exploiting and further developing the expertise and the experience developed in FENIX for platform federation and in IN2CCAM for data exchange in the realm of Automated Vehicles. Issues concerning architectures, interfaces, ontologies, connectors, APIs, protocols etc., as well as federation management architectures from the technical and governance (including access, liabilities, security, data ownership issues) points of view are specific areas in which POLIBA will provide meaningful contributions. Like for all the research projects in which it has been involved, POLIBA will exploit its international academic network to foster collaboration with relevant stakeholders around the world, in particular Japan and United States. Also, extended dissemination at scientific and qualified technical levels will be pursued, through publication of papers in scientific journals, and presentations in reviewed international conferences.</p>
Contact details	<p>prof. Maria Pia Fanti – mariapia.fanti@poliba.it prof. Walter Ukovich – ukovich@gmail.com</p>

FEDERATED CCAM DATA EXCHANGE PLATFORM

Organisation name	EIT Urban Mobility
Interest in the call and / or expertise to be brought into a consortium	<ul style="list-style-type: none"> - Knowledge from EIT Urban Mobility portfolio of projects (lessons learned, best practices, technologies/innovations, impact, etc). - Communication and dissemination leveraging on EIT Urban Mobility community (1,100 organisations from industry, startups, local authorities, research/universities; 50,000+ followers on LinkedIn; organisers of the Tomorrow.Mobility event (25,000+ attendees); MobilityTalks (series of workshops); Mobility Innovation Marketplace (11,000+ subscribers). - Previous experience in the Preparatory actions of the European Mobility Data Space (leading communication, dissemination and exploitation activities). General support to the future EDIC. - Financially viable business model for the CCAM data space, developing business plan with industry and public sector. Previous experience in UNCHAIN project (EU-funded project aiming to break data barriers, enabling seamless cooperation between public authorities and logistics stakeholders).
Contact details	albert.sole@eiturbanmobility.eu

Organisation name	VEDECOM
Interest in the call and / or expertise to be brought into a consortium	<p>Interest in the call</p> <p>We are particularly interested in extending and interoperating data spaces for CCAM scenario repositories (e.g., FAME, SUNRISE), employing smart sampling to transition from unknown to known distributions while maintaining accurate risk coverage. Our holistic approach includes a semantic and technical harmonization framework—defining common taxonomies, unifying data formats, and leveraging ODD partitioning strategies—alongside a value-centric data method that uses LLM-based AI agents for latent-space exploration and the intelligent verification of safety assurance frameworks (e.g., SUNRISE), under uncertainty, thereby ensuring trustworthiness in AI-driven systems.</p> <p>Expertise to be brought into a consortium</p> <ol style="list-style-type: none"> Data Federation & Interoperability Creating robust data-sharing platforms that integrate multiple CCAM repositories. Intelligent Sampling & Scenario Validation Implementing advanced multi-source sampling across a unified latent space for each ODD, ensuring optimal coverage, completeness, and risk management. Semantic Harmonization & Hierarchical Catalog Defining a theoretical catalog of all possible scenarios, structured horizontally and vertically, to guide both exploration and exploitation of scenario databases. AI & LLM Integration Applying Generative AI and large language models for federated data exploration, quality assessment, scenario generation and safety assurance farmwork application. Automated Safety Verification Developing frameworks to intelligently select and validate scenarios across multiple connected databases under controlled uncertainty, bolstering overall system trustworthiness.
Contact details	Laurent DURVILLE (laurent.durville@vedecom.fr)

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Organisation name	IMEC
Interest in the call and / or expertise to be brought into a consortium	<ul style="list-style-type: none">• Federated learning expertise• Data sovereignty technology building blocks• Expertise in AI workload distribution at the edge• Expertise on data space governance & business model instigation <p>Assets to leverage: Data Space architecture & implementation, Federated learning model, dEMDS, Well-known expertise within different EU-projects on digital twins</p>
Contact details	IMEC: Sven.vlassenroot@imec.be

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Organisation name	CEA
Interest in the call and / or expertise to be brought into a consortium	<ul style="list-style-type: none">- Federated learning- Green blockchain- Homomorphic cryptography- AI-based tools for data processing and management: smart annotation, data augmentation (GenAI)- Functional MBSE Digital Twin (Papyrus/Eclipse foundation)
Contact details	eleonore.lesquins@cea.fr

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Organisation name	F6S Network https://innovation.f6s.com/
Interest in the call and / or expertise to be brought into a consortium	<p>The F6S Network leverages the reach and assets of the F6S platform of +5.7 stakeholders via www.f6s.com</p> <p>Communication & Dissemination We go beyond traditional methods, integrating social media, project websites, webinars, podcasts, events and innovative outreach in high impactful promotion & dissemination strategies.</p> <p>Stakeholder Engagement F6S drives stakeholder engagement through high-impact campaigns, global community building, and interactive co-design workshops. We are experienced in implementing an efficient multi actor approach and building synergies/ clustering activities among projects and EU initiatives.</p> <p>Exploitation, Sustainability & Impact F6S accelerating projects teams and value proposition towards market We provide guidance in exploitation pathways for Key Exploitable Results</p>
Contact details	Robert Carroll: EU Projects Development Manager Email: robert@f6s.com