

# CONFERENCE

## Results from road transport research

11<sup>th</sup> to 13<sup>th</sup> February 2025  
 THE EGG Brussels  
 Rue Bara 175, 1070 Brussels

### DRAFT PROGRAMME



#### 11<sup>th</sup> February



12.00 – 13.15 Welcome lunch  
 Visit the RTR exhibition area

### OPENING SESSION



13.15 – 13.50

Welcome and introduction from **Simon Edwards** (Director innovation, Ricardo, ERTRAC Vice-Chairman and RTR Conference Chair)

**Stephan Neugebauer**, Director Global Research Cooperation, BMW and ERTRAC & EGVIafor2Zero Chairman

**Christian Merkt**, Director EU Governmental Affairs Digitalization and Automated Driving, BMW, CCAM Association Chairman

**Michael Lippert**, Director Innovation and Solutions for Energy, Saft, President of BEPA and Batteries Europe (tbc)

**Rosalinde van der Vlies**, Director - Clean Planet, DG Research and Innovation (DG RTD), European Commission (tbc)

**Herald Ruijters**, Deputy Director General, DG Mobility and Transport (DG MOVE), European Commission (tbc)

**Matthias Langemeyer**, Head of Department Green research and innovation, European Climate, Environment and Infrastructure Executive Agency (CINEA)

### PARALLEL SESSIONS



14.00 – 16.00

#### 1. Air quality and particles emissions

**nPETS** - Nanoparticle emissions from the transport sector: health and policy impacts  
**LEON-T** - Low particle Emissions and Low Noise Tyres  
**EASVOLLEE** - Effects on Air quality of Semi-Volatile Engine Emissions  
**PAREMPI** - Particle emission prevention and impact: from real-world emissions of traffic to secondary PM of urban air

#### 2. Road infrastructure, maintenance and circularity

**HERON** - Improved Robotic Platform to perform Maintenance and Upgrading Roadworks: The HERON Approach (tbc)  
**InfraROB** - Maintaining integrity, performance and safety of the road infrastructure through autonomous robotized solutions and modularization  
**OMICRON** - Towards a more automated and optimised maintenance, renewal and upgrade of roads by means of robotised technologies and intelligent decision support tools  
**LIAISON** - Lowering transport environmental Impact along the whole life cycle of the future transport infrastructure  
**CIRCUIT** - Holistic approach to foster Circular and resilient transport Infrastructures and support the deployment of Green and Innovation Public Procurement and innovative engineering practices

#### 3. EV charging - advanced solutions benefiting both the user and the grid

**eCharge4Drivers** - Electric Vehicle Charging Infrastructure for improved User Experience  
**FLOW** - Flexible energy systems Leveraging the Optimal integration of EVs deployment Wave  
**XL-Connect** - Large scale system approach for advanced charging solutions  
**Drive2X** - Delivering Renewal and Innovation to mass Vehicle Electrification enabled by V2X technologies



16.00 – 16.30 Coffee break  
 Visit the RTR exhibition area



## PARALLEL SESSIONS

 16.30 – 18.45

### 4. Deployment and demonstration – inputs from CEF and Innovation Fund

**ISM** - Iberdrola Smart Mobility

A reliable network of charging stations for electric vehicles to allow charging along the TEN-T Core and Comprehensive Networks

**Atlante4EU** - A reliable network of charging stations for electric vehicles to allow charging along the TEN-T Core and Comprehensive Networks

**Heavy Wav-E** - Mediterranean ultra-fast charging arteria for electric heavy-duty and light-duty vehicles (tbc)

**EVVE** - First European Large-Scale Vehicle To-Grid Demonstrator for an efficient decarbonisation of the energy sector (tbc)

**InDiD** - Development of Cooperative Intelligent Transport Systems (C-ITS) (tbc)

**MobiliData** - Connected infrastructures bringing enhanced perception to road users

### 5. Digital innovative solutions for sustainable urban logistics

**SENATOR** - Smart Network Operator Platform enabling Shared, Integrated and more Sustainable Urban Freight Logistics

**UNCHAIN** - Urban logistics and planning: Anticipating urban freight generation and demand including digitalisation of urban freight

**DISCO** - Data-driven, Integrated, Synchromodal, Collaborative and Optimised urban freight meta model for a new generation of urban logistics and planning with data sharing at European Living Labs

**URBANE** - Upscaling innovative green urban logistics solutions through multi-actor collaboration and pi-inspired last mile deliveries

**DECARBOMILE** - Five pillars to DECARBONize the last MILE logistics

**GREEN-LOG** - Cooperative and Interconnected Green delivery solutions towards an era of optimized zero emission last-mile Logistics

### 6. High-performance and safe-by-design next generation battery systems for road transport applications

**EXTENDED** - nEXT gEneration of multifunctional, modular and scalable solid state batteries system

**TEMPEST** - next generation Multiple architecture battery systems for industry

**VERSAPRINT** - Versatile printed solutions for a safe and high-performance battery system

**NEXBAT** - Next generation technologies for battery systems in transport electrification based on novel design approach to increase performance and reduce carbon footprint

**BATSS** - Safe efficient battery system based on advanced cell technology



**12<sup>th</sup> February**

## PARALLEL SESSIONS

 9.00 – 11.15

### 7. Integration and large-scale demonstration of CCAM solutions

**IN2CCAM** - Enhancing Integration and Interoperability of CCAM ecosystem

**CONDUCTOR** - Fleet and traffic management systems for conducting future cooperative mobility

**MODI** - A leap towards SAE L4 automated driving features

**ULTIMO** - Advancing Sustainable User-centric Mobility with Automated Vehicles

**Move2CCAM** - Methods and tools for comprehensive impact Assessment of the CCAM solutions for passengers and goods

### 8. Innovative components for more efficient EVs

**EM-TECH** - Innovative e-motor technologies covering e-axles and e-corners vehicle architectures for high-efficient and sustainable e-mobility

**MAXIMA** - Modular Axial flux Motor for Automotive

**HEFT** - Novel concept of a low cost, high power density and highly efficient recyclable motor for next generation mass produced electric vehicles

**VOLT CAR** - Design, manufacturing, and validation of ecocycle electric traction motor

**CLIMAFLEX** - Circular design and manufacturing techniques for next-generation highly-efficient integrated axial flux motor drives for electric vehicles

 **11.15 – 11.45 Coffee break**  
Visit the RTR exhibition area

## PARALLEL SESSIONS

 11.45 – 13.00

### 9. PHEV and retrofit systems

**PHOENICE** - PHEV towards zero Emissions & ultimate ICE efficiency

**AeroSofld** - Fast track to cleaner, healthier urban Aerosols by market ready Solutions of retrofit Filtration Devices for tailpipe, brake systems and closed environments

**VERA** - Vehicle Emission Retrofit Activities

### 10. Predictive safety assessment framework and safer urban environment for vulnerable road users

**PHOEBE** - Predictive Approaches fOr Safer UrBan Environments

**SOTERIA** - Systematic and orchestrated deployment of safety solutions in complex urban environments for ageing and vulnerable societies

### 11. Innovative components for more efficient EVs

**SCAPE** - Switching-Cell-Array-based Power Electronics conversion for future electric vehicles

**HiEfficient** - Highly EFFICIENT and reliable electric drivetrains based on modular, intelligent and highly integrated wide band gap power electronics modules

 13.00 – 14.15 Lunch, Networking and Exhibition

 14.15 – 17.15

### 12. Sustainable and resilient freight transport and long-haul logistics

**SETO** - Smart Enforcement of Transport Operations

**KEYSTONE** - Knowledgeable comprehensive and fully integrated smart solution for resilient, sustainable and optimized transport operations

**SARIL** - Sustainability And Resilience for Infrastructure and Logistics networks

**ReMuNet** - Resilient Multimodal freight Transport Network

**TRACE** - Integration and Harmonization of Logistics Operations

### 13. Human centric CCAM and driver safety

**AWARE2ALL** - Safety systems and human-machine interfaces oriented to diverse population towards future scenarios with increasing share of highly automated vehicles

**i4Driving** - Integrated 4D driver modelling under uncertainty

**BERTHA** - BEhavioural ReplicaTion of Human drivers for CCAM

**FITDRIVE** - Monitoring devices for overall FITness of Drivers

**PANACEA** - PracticAl and Effective tools to moNitor and Assess CommErCiAl drivers' fitness to drive

### 14. Solid state batteries for electromobility

**SUBLIME** - Solid state sulfide Based LI-METal batteries for EV applications

**HELENA** - Halide solid state batteries for ELectric vEHicles aNd Aircrafts

**PSIONIC** - High voltage, room temperature single-ion polymer electrolyte for safer all solid state lithium metal batteries (tbc)

**SEATBELT** - Solid-state lithium metal battery with in situ hybrid electrolyte

**ADVAGEN** - Development of ADVAnced next GENERation Solid-State batteries for Electromobility Applications

**AM4BAT** - Gen. 4b Solid State Li-ion battery by additive manufacturing

## PLENARY SESSION

### How to achieve circularity in the automotive industry?

 17.30 – 18.45

With a changing geopolitical landscape and increasing demands for natural resources, particularly critical raw materials, circularity concepts are gaining more and more attention. What would a circular economy mean for the automotive industry, an industry producing 85 million vehicles per year?

Join our plenary session to discover how, together, we can tackle this multifaceted challenge.

## COCKTAIL

 18.45 – 20.15

Join us for an evening full of conversation, networking & fun - all centred around talking about transforming road transport for a better future.



13<sup>th</sup> February

## PARALLEL SESSIONS

9.00 – 11.00

### 15. Zero emission systems for HDV

**ZEFES** - Zero Emission flexible vehicle platforms with modular powertrains serving the long-haul Freight Eco System

**EMPOWER** - Eco-operated, Modular, highly efficient, and flexible multi-POWERtrain for long-haul heavy-duty vehicles

**ESCALATE** - Powering EU Net Zero Future by Escalating Zero Emission HDVs and Logistic Intelligence

**EBRT2030** - European Bus Rapid Transit of 2030: electrified, automated, connected

11.00 – 11.30 Coffee break  
Visit the RTR exhibition area

11.30 – 12.30

### 18. Improving road safety in Africa

**AfroSAFE** - Safe System for radical improvement of road safety in low- and middle-income African countries

**TRANS-SAFE** - Transforming Road Safety in Africa

12.30 – 13.30 Lunch break  
Visit the RTR exhibition area

13.30 – 15.00

### 21. Multimodal traffic management for door-to-door transport of passengers and freight

**ACUMEN** - Ai-aided deCision tool for seamless mUltiModal nEtworK and traffic manageMent

**SYNCHROMODE** - Advanced traffic management solutions for synchronized and resilient multimodal transport services

**DELPHI** - FeDerated nEtworK of pLatforms for Passenger and freigHt Intermodality

### 16. New mobility services in cities

**MOVE21** - Multimodal and interconnected hubs for freight and passenger transport contributing to a zero emission 21st century

**SCALE-UP** - Scale up user-Centric and dAta driven soLutions for connEcted Urban Poles

**SUM** - Seamless shared urban mobility (tbc)

**GEMINI** - Greening European Mobility through cascading innovation INItiatives

### 19. Unleashing the innovation potential of public transport

**UPPER** - Unleashing the potential of public transport in Europe

**SPINE** - Smart public transport initiatives for climate-neutral cities in Europe

### 22. CCAM enablers

**SELFY** - SELF assessment, protection & healing tools for a trustworthy and resilient CCAM

**Althena** - AI-based CCAM: Trustworthy, Explainable, and Accountable

**AI4CCAM** - Trustworthy AI for CCAM

**ROADVIEW** - Robust Automated Driving in Extreme Weather

### 17. Next generation battery packs for BEV and PHEV

**LIBERTY** - Lightweight Battery System for Extended Range at Improved SafeTY (tbc)

**MARBEL** - Manufacturing and assembly of modular and reusable EV battery for environment-friendly and lightweight mobility

**ALBATROSS** - Advanced Light-weight BATteRY systems Optimized for fast charging, Safety, and Second-life applications.

**HELIOS** - High-pErformance moduLar battery packs for sustalnable urban electrOmobility Services

### 20. Materials for light and safe green vehicles

**FLAMINGo** - Fabrication of Lightweight Aluminium Metal matrix composites and validation In Green vehicles

**FLEXCRASH** - Flexible and hybrid manufacturing of green aluminium to produce tailored adaptive crash-tolerant structures

### 23. Batteries – development of generation 3b technology

**Hydra** - Hybrid power-energy electrodes for next generation lithium-ion batteries

**HighSpin** - High-Voltage Spinel LNMO Silicon-Graphite Cells and Modules for Automotive and Aeronautic Transport Applications

**SIGNE** - Composite Silicon/Graphite Anodes with Ni-Rich Cathodes and Safe Ether based Electrolytes for High Capacity Li-ion Batteries

**NEXTCELL** - Towards the next generation of high performance li-ion battery cells

## CLOSING DISCUSSION

15.15 – 16.00

**Jane Amilhat**, Head of Unit, Clean Transport Transitions, DG Research and Innovation (DG RTD), European Commission and **Simon Edwards**, Director innovation, Ricardo, ERTRAC Vice-Chairman and RTR Conference Chair.



## Exhibitors

**2ZERO**

**ERTRAC**

**CCAM**

**BATT4EU**

**European Commission/CINEA**

**Greenet project**  
(network of NCP)

**TRA 2026**  
**Budapest**

**EUCAD 2025**

### **CSAs & ERA-NET**

TranSensus LCA

LeMesurier

STREnGth\_M

EN-UAC Urban Accessibility and Connectivity

STAN4SWAP

Batteries 2030+

Batteries Europe