

CONFERENCE

Results from road transport research

11th to 13th February 2025
 THE EGG Brussels
 Rue Bara 175, 1070 Brussels

DRAFT PROGRAMME



11th 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

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
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)

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



12th 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

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.



13th 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

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 sustanable 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 (tbc)

STAN4SWAP

Batteries 2030+

Batteries Europe (tbc)