



**EGVIA**  
European Green  
Vehicles Initiative



## ERTRAC-EGVIA- European Commission

European conference

# Results from road transport research in H2020 projects

Draft agenda

**#H2020RTR19**

4 & 5 December 2019

Albert Borschette Conference Center (CCAB)  
Brussels

### DAY 1 – 4<sup>th</sup> December

**10.00 – 10.30 – WELCOME COFFEE**

#### **10.30 – 11.10 - OPENING SPEECHES**

**Dr.-Ing. Stephan NEUGEBAUER**, Director Global Research Cooperation, BMW and ERTRAC & EGVIA Chairman  
**Jean-François AGUINAGA**, Head of Unit, Future urban & mobility systems, DG Research and Innovation (DG RTD), European Commission

**Herald RUIJTERS**, Director, Investment, Innovative & Sustainable Transport, DG Mobility and Transport (DG Move), European Commission

**Dirk BECKERS**, Director, Innovation and Networks Executive Agency (INEA)

#### **11.10– 11.30 – “THE FUTURE OF ROAD TRANSPORT - IMPLICATIONS OF AUTOMATED, CONNECTED, LOW-CARBON AND SHARED MOBILITY” – A JRC REPORT**

**Biagio CIUFFO**, Project Officer, Scientific Research, Sustainable transport, JRC, European Commission

#### **11.40 – 12.55 – PARALLEL SESSIONS**

1. Towards 0 fatalities: the technological answer	2. ICT for logistics efficiency	3. Integration of Green Vehicles into the transport system
<b>David Guedj (INEA)</b> <b>Peter Urban (IKA)</b>	<b>Paola Chiarini (MOVE)</b> <b>Fernando Liesa (ALICE)</b>	<b>Axel Volkery (MOVE)</b> <b>Ian Faye (Bosch)</b>
<b>AutoMate</b> - Automation as accepted and trustful teamMate to enhance traffic safety and efficiency - <b>MAVEN</b> - Managing Automated Vehicles Enhances Network <b>VI-DAS</b> -Vision Inspired Driver Assistance Systems	<b>SELIS</b> - Towards a Shared European Logistics Intelligent Information Space <b>AEOLIX</b> - Architecture for EurOpean Logistics Information eXchange <b>ICONET</b> - New ICT infrastructure and reference architecture to support Operations in future PI Logistics NETWORKs	<b>NeMo</b> - Hyper-Network for electroMobility <b>ELECTRIFIC</b> - Enabling seamless electromobility through smart vehicle-grid integration <b>ASSURED</b> - fASt and Smart charging solutions for full size URban hEavy Duty applications

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12.55 – 14.15 – LUNCH BREAK

14.15 – 16.00 – PARALLEL SESSIONS

4. Intelligent transport system – towards Mobility as a Service	5. Green Vehicles – Modelling and testing of EVs	6. Green Vehicles – Weight reduction & electric drivetrains
<b>Damian Bornas Cayela (INEA)</b> <b>Ivo Cré (POLIS)</b>	<b>Georgios Tzamalidis (MOVE)</b> <b>Peter Prenninger (AVL)</b>	<b>Michal Klima (INEA)</b> <b>Zissis Samaras (LAT)</b>
<p><b>MaaS4EU</b> - End-to-End Approach for Mobility-as-a-Service tools, business models, enabling framework and evidence for European seamless mobility</p> <p><b>IMOVE</b> - Unlocking Large-Scale Access to Combined Mobility through a European MaaS Network</p> <p><b>MyCorridor</b> - Mobility as a Service in a multimodal European cross-border corridor</p>	<p><b>OBELICS</b> - Optimization of scalable realtime models and functional testing for e-drive ConceptS</p> <p><b>DEMOBASE</b> - Design and Modelling for improved Battery Safety and Efficiency</p> <p><b>HiFi-ELEMENTS</b> - High Fidelity Electric Modelling and Testing</p>	<p><b>ALLIANCE</b> - Affordable Lightweight Automobiles Alliance</p> <p><b>LoCoMaTech</b> - Low Cost Materials Processing Technologies for Mass Production of Lightweight Vehicles</p> <p><b>ModulED</b> - Modular Electric Drivetrains</p> <p><b>DRIVEMODE</b> - Integrated Modular Distributed Drivetrain for Electric/Hybrid Vehicles</p> <p><b>ReFreeDrive</b> - Rare Earth Free e-Drives featuring low cost manufacturing</p>

16.00– 16.30 – COFFEE BREAK

16.30 – 18.15 – PARALLEL SESSIONS

7. Automated driving at our doors	8. Green Vehicles – From chemistry to pack integration: batteries for e-mobility
<b>Ludger Rogge (RTD)</b> <b>Armin Grater (BMW)</b>	<b>Julija Sakovica (RTD)</b> <b>Simon Edwards (Ricardo)</b>
<p><b>L3Pilot</b> - Piloting Automated Driving on European Roads</p> <p><b>ENSEMBLE</b> - Enabling Safe Multi-Brand platooning for Europe</p> <p><b>AVENUE</b> - Autonomous Vehicles to Evolve to a new urban experience</p>	<p><b>HELIS</b> - High energy lithium sulphur cells and batteries</p> <p><b>ALISE</b> - Advanced Lithium Sulphur battery for xEV</p> <p><b>IMAGE</b> - Innovative Manufacturing Routes for Next Generation Batteries in Europe</p> <p><b>GHOST</b> - Integrated and Physically Optimised Battery System for Plug-in Vehicles Technologies</p> <p><b>iModBatt</b> - Industrial Modular Battery Pack Concept Addressing High Energy Density, Environmental Friendliness, Flexibility and Cost Efficiency for Automotive Applications</p>

18.15 – 19.15 – NETWORKING COCKTAIL

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## DAY 2 – 5<sup>th</sup> December

9.30 – 10.00 WELCOME COFFEE

### 10.00 - 11.30 - PARALLEL SESSIONS

9. New mobility paradigm, new vehicles, how could the mobility of tomorrow look like?	10. Towards ultra-low emission combustion engines
<b>Patrick Mercier-Handisyde (RTD)</b> <b>Ian Faye (Bosch)</b>	<b>Marina Kousoulidou (INEA)</b> <b>Roland Dauphin (Concawe)</b>
<p><b>STARS</b> - Shared mobility opportunities and challenges for European cities</p> <p><b>MoTiV</b> - Mobility and Time Value</p> <p><b>WEEVIL</b> - Ultralight and ultrasafe adaptable 3-wheeler</p> <p><b>ELVITEN</b> - Electrified L-category Vehicles Integrated into Transport and Electricity Networks</p> <p><b>STEVE</b> - Smart-Tailored L-category Electric Vehicle demonstration in heterogeneous urban use-cases</p>	<p><b>DiePeR</b> - Diesel efficiency improvement with Particulates and emission Reduction</p> <p><b>THOMSON</b> - Mild Hybrid cost effective solutions for a fast Market penetration</p> <p><b>UPGRADE</b> - High efficient Particulate free Gasoline Engines</p> <p><b>PaREGE</b>n - Particle Reduced, Efficient Gasoline Engines</p>

11.30 – 11.45 – COFFEE BREAK

### 11.45 - 13.00 - PARALLEL SESSIONS

11. Green Vehicles - Take the user perspective	12. Improving air quality: it starts with measurement
<b>Monica Giannini (INEA)</b> <b>Christof Schernus (FEV)</b>	<b>Maurizio Maggiore (RTD)</b> <b>Peter Prenninger (AVL)</b>
<p><b>OPTEMUS</b> - Optimised Energy Management and Use</p> <p><b>QUIET</b> - Qualifying and Implementing a user-centric designed and Efficient electric vehicle</p> <p><b>DOMUS</b> - Design Optimisation for efficient electric vehicles based on a User-centric approach</p>	<p><b>DownToTen</b> - Measuring automotive exhaust particles down to 10 nanometres</p> <p><b>SUREAL-23</b> - Understanding and measuring SUB-23 nm particle emissions from direct injection engines including REAL driving conditions</p> <p><b>PEMS4Nano</b> - Portable Nano-Particle Emission Measurement System</p>

13.00 – 14.00 – LUNCH BREAK

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### 14.00 – 15.15 – PARALLEL SESSIONS

13. C-ITS and infrastructure for CAD	14. Urban mobility: enhance integration and inclusiveness	15. Green Vehicles – Truck of the future
<b>Rafal Stanecki (MOVE)</b> <b>Mats Rosenquist (Volvo)</b>	<b>Piotr Rapacz (MOVE)</b> <b>Ivo Cré (POLIS)</b>	<b>Guido Sacchetto (RTD)</b> <b>Christof Schernus (FEV)</b>
<b>ICT4CART</b> - ICT Infrastructure for Connected and Automated Road Transport <b>TransAID</b> - Transition Areas for Infrastructure-Assisted Driving <b>C-Mobile</b> - Accelerating C-ITS Mobility Innovation and deployment in Europe	<b>SUNRISE</b> - Sustainable Urban Neighbourhoods - Research and Implementation Support in Europe <b>HiReach</b> - High reach innovative mobility solutions to cope with transport poverty <b>INCLUSION</b> - Towards more accessible and iNCLUSIVE mObility solutions for EuropeaN prioritised areas	<b>IMPERIUM</b> - IMplementation of Powertrain Control for Economic and Clean Real driving emLssion and fuel ConsUMption <b>optiTruck</b> - optimal fuel consumption with Predictive PowerTrain control and calibration for intelligent Truck <b>AEROFLEX</b> - Aerodynamic and Flexible Trucks for Next Generation of Long Distance Road Transport

### 15.15 -15.35 – STAY AT THE FOREFRONT OF GLOBAL COMPETITION – THE SKILLS CHALLENGE

**SKILLFUL** - Skills and competences development of future transportation professionals at all levels

### 15.35 – 16.00 – CLOSING SESSION: OUTLOOK OF THE PARALLEL SESSIONS

Jean-François AGUINAGA, Head of Unit, Future urban & mobility systems, DG Research and Innovation (DG RTD), European Commission

Zissis SAMARAS, Lab of Applied Thermodynamics, Dept of Mechanical Engineering, Aristotle University and ERTRAC Vice chair

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