

Logistics for Life

Logistics Industry Coalition for
Long-term, ICT-based Freight Transport Efficiency.

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Discussion Roadmap "ICT for Sustainable Freight Transport and Logistics

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How to proceed to overcome the challenges?

- What do we need to do in order to overcome the challenges in term of:
 - Do we need more research and development, and in which period?
 - Is there a need for more pilot applications
 - In which period do we see the market innovation
- Zero Emission Urban Logistics
 - Connection of the vehicles and the road infrastructure
 - Interoperability between traffic management and freight distribution management systems
 - Connection of goods information and car information => Total set of information about cars transporting in urban areas
- End-to- End Security
 - Standards
 - Different regulation
 - Hardware/Software cost, maintenance
 - Interconnection of different solutions
 - Challenges reg. security and multi-modal
- Increased Logistic Efficiency
 - Standardization
 - Hardware/software related

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- European Multi-Modal transport information, management and payment system
 - Wireless Sensor networks adoption in Logistics industry - Integration of intelligent sensors
 - Cloud (Private/ Public) interoperability
 - Federated Open Platforms in Logistics – Services easily configured, discovered, composed and used by companies with different IT maturity levels
 - Cooperative Vehicle and Infrastructure
 - Single technology testing and validation replaced by sub-system evaluation
 - Merge currently existing domains to enable information sharing, aiming towards openness.
 - Agreement on concepts, services and stakeholder involvement
 - Resolving the “Chicken-and-egg”-problem of ICT investments
 - Low-carbon freight transport services:
 - Exchange platforms for environmental data on freight transport services
 - Quality-of-service monitoring of the supply chain
 - Multi-actor, multi-criteria freight transport planning
 - Widespread cooperation infrastructure for logistics stakeholders
 - Standard indicators and methods for environmental performances of freight transport services
 - Visibility and accessibility of low-carbon transport alternatives

Green freight corridors

