

“Updating the Strategic Research Agenda on ICT for Mobility”

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Integration of the Fully Electric Vehicle in the cooperative infrastructure

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Cooperative Systems for low-carbon multi-modal mobility

covering

- cooperative applications and services for energy efficiency and eco-friendly mobility
- European Wide Service Platform (EWSP) for services leveraging those cooperative systems



Objective ICT-2011.6.7 Cooperative Systems for energy efficient and sustainable mobility

Cooperative Systems for low-carbon multi-modal mobility

Addressing interaction between driver, the
vehicle and the infrastructure

user acceptance and deployment of
cooperative energy efficiency services

taking into account the needs of **Fully Electric
Vehicles** such as integration with charging
networks.



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ICT for fully electric vehicles Within the European Green Cars Initiative

- advancing the development and integration of major building blocks of the Full Electric Vehicle (FEV)
- integrating the FEV with infrastructures



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Objective GC-ICT-2011.6.8 (GC-ICT-2012.6.8) ICT for fully electric vehicles

Integration of the FEV in the cooperative transport infrastructure



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ICT-based interaction between driver, vehicle, transport and energy infrastructures

FEV trip planning, optimization for energy use + charging

Compensate for limited autonomy range via gains in energy efficiency, charging strategies + route optimisation using traffic information

Adaptive strategies, algorithms + operation modes for charge and discharge management to balance, predict range and adapt to energy needs in respect of the properties of vehicle's battery and the grid



Energy efficiency via automated driving + driver training.



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