FABRIC
Feasibility analysis and development of on-road charging solutions for future electric vehicles

Workshop objectives and methodology

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FABRIC Deployment Scenarios Workshop
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Structure

1. Context of this Workshop in the assessment phase of FABRIC
2. Information provided in the workshop and expected input from participants
3. Workshop objectives.
4. Methodology
Context of this Workshop in the Assessment phase of FABRIC

1. Road infrastructure impact and solutions
   - Assessment of e-roads using Life Cycle Analysis and Costs (LCA & LCC)

2. Integrating EVs with ICT, transfer and grids
   - Analysis of the supply chain
   - Transport system operations and management
   - Business models and market ordering
   - Social Cost-Benefit analysis
   - System level environmental LCA for deployment
   - Deployment scenario analyses
   - Standardisation, harmonisation and innovation

3. Assessment of business and societal consequences
   - System level environmental LCA for deployment
   - Deployment scenario analyses
   - Standardisation, harmonisation and innovation
Information provided in the workshop and expected input from participants

Factors affecting demand

Assumptions for calculation

Roadmap EVs (light and HDV) deployment (Demand)

Roadmap of E-corridors deployment (Demand e-corridors)

LCC

LCA

Supply chain

SWOT
Workshop objectives

- Review affecting factors in the calculation of the EVs demand and E-corridors demand
- Validate assumptions of the calculation done
- Launch new viewpoint or perspectives
- Receive first inputs on LCC, LCA and supply chain effects

Methodology

- You have received a preliminary document with the assumptions and the preliminary demand estimations (for EV penetration and for e-corridors)
- We will make short presentations focusing on the most critical points.
- You will be asked for your opinion on assumptions and results
- Some brainstorming working groups will be organised
- The target is to reach a consensus at the end of the workshop
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Thank you!

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