



**2nd Future Internet Usage Areas Workshop  
June 21st and 22nd, 2010**

**Transport Mobility Logistics synthesis  
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## Overview of the session

- Around 50 people
- 18 presentations
  - 3 presentations from non ICT actors
  - 6 presentations from ICT actors
  - 8 presentations from R&D centres
  - 1 presentation from a SME group
- Discussion 1h30



## Q1: Use case and scenarios for large-scale experimentations

- Three different potential use cases have emerged from the presentations:
  - Logistics
  - Traffic Management and cooperative systems
  - Personal mobility
- How to use results of previous FP(X) projects?
- Lots of technologies can be used
- We have to aim 2 different levels: intra-industry developments and end-users services
- Is it relevant to merge the 3 scenarios?



## Q2: Innovative Internet Functionality and Technologies

- Internet of Things, Data Management, Context awareness, real-time processing, identity management, service composition, billing...
- For real-time services, scalability and data integrity are also crucial
- Don't forget network interfaces, a link with V2I and V2V technologies
- This usage area uses also smart devices: the intelligence is not only in the network.
- Standardisation: few proposals in the presentations.



## Q3: Expected Core Technology Platform Functionalities

- Some innovative functionalities could be integrated in the Core Platform: real-time data management, data integrity, trust management, massive personalization
- Some have to be divided into 2 parts: sensors networks, context awareness => common functionalities with some other usage areas, specific characteristics per domain
- The use-case scenarios will be helpful to better define the functional border with the Core Platform



## Q4: Experimental environments

- Prerequisite: active involvement of final users
- Definition of large scale pilots:
  - Large geographical area
  - Large number of users
  - Large number of devices
- Cities are essential for testbeds but are connected cities required?
- Availability of public information (data) and innovative networks
- Define criteria for "real experimentation"
- Cross-usage areas experimental environment could be relevant



## Q5: Potential stakeholders

- Automakers and automotive equipments makers
- Transport operators (Urban, rail and fret)
- Local/Regional authorities
- Road infrastructure provider
- Mobile network provider
- Devices manufacturer
- Logistics/fleet management company
- Navigation system provider
- System integrators
- Users association

The complexity of a real ecosystem: how to involve everybody?



## Synergies with the other usage areas

- Based on presentations: transport and energy are connected for electric vehicle service management
- Common functionalities of IoT will define links with Utilities and Environment
- Health sector: link with emergency services, mobility
- If Social Networks is another usage area, links could be established (community of drivers/passengers) with personalized mobility



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**Thanks!**