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CITYMOBIL Conference "Smart Mobility for Better Cities"
13th May 2011, La Rochelle

Challenges and Main Drivers for Urban Mobility: From Policy to Innovation



EU



TRANSPORT RESEARCH



Patrick MERCIER-HANDISYDE
Head of the Urban Mobility Sector
European Commission
DG Research & Innovation - Transport



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Challenges for Urban Mobility



- Urban areas are home to 72% of the European population and origin to 85% of EU's GDP
- Efficient transport is vital for economic growth and employment in urban areas
- Urban areas face particular challenges in making transport sustainable
- Urban mobility is of growing concern to citizens
- Urban mobility is a central component of long-distance transport



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EU Policies and Strategies relevant to (Urban) Transport Research

EU Research policy (incl. Innovation)

- **The 7th Framework Program (FP7) 2007- 2013**
« Transport » Theme
- **COM on the "Innovation Union" (Oct. 2010)**
Focus on major societal challenges:
European Innovation Partnerships (EIP)
- **Green Paper on Common Strategic Framework (Feb. 2011)**
New Framework Programme FP8



- ✓ Climate change
- ✓ Energy efficiency
- ✓ Health
- ✓ Ageing

EU Transport Policy

- Transport White Paper 2010-2020 (March 2011)
- Strategic Transport Technology Plan (Summer 2011)
- Urban Mobility Action Plan (Sept.2009)



Other inputs

- European Economic Recovery Plan (Nov. 2008)
- Europe 2020:



- ✓ Developing alternatives to road transport
- ✓ Better integration of transport networks
- ✓ Promoting clean technologies
- ✓ Upgrading infrastructure

- EU Environmental Policy, EU Cohesion Policy



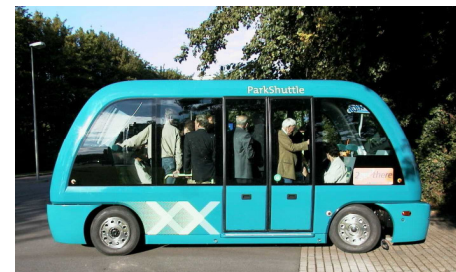


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EU Research for Sustainable Urban Mobility: a strong foundation to build upon

- **From the 4th to 5th Framework Programmes** (1994-2002): Increased collaboration, development of critical technologies and problem solving approaches
- **6th Framework Programme** (2002-2006): Building ERA, strengthening structuring and coordinating EU R&D, concentration on EU challenges, EU competitiveness:
 - For research on technology development
SILENCE, **CITYMOBIL**, FIDEUS, ...)
 - To support transport policy (CIVITAS I, II, +)
- Stimulating the creation of industrial led "**European Technology Platforms**", inc. **ERTRAC** for road transport and **ERRAC** for rail





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Urban Mobility in FP7

- A dedicated priority activity of the “Transport” Theme on **“Ensuring Sustainable Urban Mobility”**
- **Objectives/approach:**
 - Improving mobility of people and transport of goods in urban and peri-urban areas (All transport modes and all users)
 - Developing clean, energy efficient, safe and intelligent urban transport systems
 - Technological, economic, regulatory and institutional aspects
 - New and accessible public transport systems





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Topics launched for urban transport research in FP7

- **Innovative Public transport** : European Bus System of the Future (EBSF), Urban buses and delivery vehicles using 2nd generation hybrid electric technology (HCV)
- **Innovative mobility concepts for passengers** (NICHES +, CATS, PICA, CITYNETMOBIL, BIKE INTERMODAL,...)
- **Accessibility for all** (MEDIATE, ACCESS 2 ALL, PUBTRANS4ALL)
- **Innovative strategies for clean urban transport** - CIVITAS + (MODERN, ELAN, ARCHIMEDES, RENAISSANCE, MIMOSA)
- **Intelligent mobility systems for people** (CONDUITS, DELTA, i-TOUR, WISETRIP...)
- **Clean and efficient urban freight transport** (CITYLOG, CITYMOVE,...)
- **Environmental noise reduction** (CITYHUSH, RIVAS)
- **International cooperation** on traffic management systems (VIAJEO) and large event mobility management (STADIUM)





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Future opportunities

- **FP7- SST Call 2012 (July 2011): Urban Mobility**
 - Accessibility of transport systems
 - Design and operation of urban transport interchanges
 - Take-up of transport innovation in urban and regional transport
 - **Automated urban vehicles**
 - Coordinating innovation for efficient bus systems in the urban environment
- **European Innovation Partnership on “Smart cities” and “Smart Mobility”**



COOPERATION



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Future events

- **8th ITS European Congress:**
6-9 June 2011, Lyon (France)
- **Transport Research Arena - TRA 2012:**
“Sustainable Mobility through Innovation” ,
23 to 26 April 2012, Athens (Greece)





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23-26 April, 2012 Athens - Greece
Sustainable Mobility through Innovation.

- **Scope:** European Transport Research Conference on all surface transport modes (road, rail, waterborne) and cross-modal aspects (inc. intermodal freight transport, urban transport and ITS).
- **Organisers:** European Commission: DG RTD, INFSO and MOVE
CEDR
ETPs: ERTRAC, ERRAC, WATERBORNE TP
- **Sessions:** Plenary, Strategic, Technical, Poster and Special Sessions
- **Exhibition:** EC stand with key FP6/FP7 projects
- **YEAR:** Young European researchers competition
- **For more information:** <http://www.traconference.eu>
- **Contact:** Patrick.Mercier-Handisyde@ec.europa.eu or
Natascia.Lai@ec.europa.eu



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Thank you for your attention

