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

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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
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

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
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
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, PICAV, 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)
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”**
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)
**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](http://www.traconference.eu)

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Thank you for your attention