



Transport Research Arena
Europe 2008

Strategic Session 3.2

Challenges for Sustainable Mobility in Cities

Conclusions and Outlook



EU



TRANSPORT RESEARCH



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towards sustainable urban mobility in Europe

I. Conclusions

- Challenges
- Policy drivers
- Research opportunities

II. Outlook

1. Challenges for Urban Mobility

- 80 % of the EU-27 population lives in cities
- The main challenges faced by cities relate to **MOBILITY**:



- **Societal trends**: demographic changes, aging population
- **Congestion**: costing 1% of GDP annually
- Health issues: local air pollution and noise
- **Safety and security**: 2/3 of road accidents, 1/3 of road fatalities in urban areas
- **Climate change**: 40% of CO2 emissions of road transport in urban areas
- **Energy consumption**: domination of oil as a transport fuel

- **Public authorities and cities** are at key in achieving **sustainable urban transport system**

- **EU Transport policy**
 - ➔ Transport White Paper (2001) and Mid term review (2006)
 - ➔ Green Paper on Urban Mobility (2007) leading to an action plan to be launched late 2008
- **EU Energy policy**
 - ➔ SET-Plan on the European Strategic Technology Plan 'Towards a low carbon future' (2007)
- **EU Environmental policy**
 - ➔ 'Climate action and renewable energy package' setting an ambitious commitment to fight climate change and promote renewable energy up to 2020 and beyond
- **EU Cohesion and regional policy**
 - ➔ Reinforced support to Lisbon strategy a coherent set of instruments
- **EU Research and Innovation policy**
 - ➔ European Research Area and the Green Paper on the 'The European Research Area: New Perspectives' (2007)

- **EC Research** for Sustainable Urban Mobility is a strong foundation to build upon in facing those challenges:
- ➔ 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 for research and technology development, to support transport policy
- ➔ 7th Framework programme (2007-2013) opens a dedicated activity within the Transport Theme on '**Ensuring Sustainable Urban Mobility**'



FIDEUS



MODURBAN



CITY-MOBIL

... ERTRAC & ERRAC joint Taskforce on Urban Mobility

EU DIVERSITY , same CHALLENGES common SOLUTION

- Need for **collective effort** at local, regional national and European level ->**shared responsibility**
- EC role : formulation of coherent set of policies and instruments, mobilization of resources, role of **facilitator** by proposing measures, tools for implementation, supporting actions and establishing dialogue
- Solutions : **Integrated**
- Required innovative approaches, models, technologies , skills

NEW CULTURE FOR URBAN MOBILITY

based on *New Partnerships*, building on a *Knowledge based society* aiming at integrated solutions capable of meeting new challenges:

Short term research priorities

- New transport and mobility concepts
- High quality public transport
- Demand management
- Innovative strategies for clean urban transport (CIVITAS)
- Policy support

.... in dialogue with the Civil Society



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Thank you for your attention

