

EMI

European
Metropolitan
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European Regional
Development Fund
Investing in your future

Towards a Research Agenda on Sustainable and Smart Urban Mobility



A Network for Metropolitan Areas, Centres of Excellence, and National and European Governance

Goal: smart and sustainable cities



A Knowledge and Research Agenda on Sustainable Urban Mobility

Presentation at URBAN Intergroup

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European Metropolitan network Institute (EMI)

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Goal Knowledge and Research Agenda

- 'Research-based, practice-led'
- Scientific questions based on urban practice
- Urban practice based on state of the art scientific insights
- **European policy guidelines for cities**
- Therefore... input URBAN Intergroup

EMI

- Founded in 2010
- European Commission (ERDF), City of The Hague, NICIS Institute
- Track record: what do we offer cities (research programmes, European projects, ask-your-urban-neighbour)
- KRA's: Economic Vitality, Sustainable Urban Mobility, The Green and Sustainable City, Polycentrism, Social Inclusion

Knowledge and Research Agenda on Sustainable urban mobility: WHY?

- Strengthen position of urban areas within Europe
- Bridging the gap between research and practice
- Need for general knowledge on implementation measures in smart urban mobility across Europe
- Generate research funds for relevant urban issues

KRA - deliverables

- Strategic research agenda
- Best Practices
- Practical Guide
- Thematic network

Theoretical Framework KRA Mobility

- 'A new type of mobility'
a necessary transition from a primarily car based personal mobility in cities to a mobility based on walking and cycling, high quality public transport and less-used and cleaner passenger vehicles.
(European Commission, White Paper on Transport 2011)
- **'Smart' urban mobility is not just technology!**
- David Banister; schizophrenic paths (2005) / sustainable mobility paradigms (2008)

Main question

How do cities and urban areas in their policies for sustainable and smart urban mobility both preserve the current social and economic achievements of their mobility system as well as strive for a transition towards a mobility based on walking and cycling, high quality public transport and less-used and cleaner passenger vehicles?

Subthemes 'sustainable and smart mobility'

	Less / cleaner car use	More use of alternative forms of transport	Other, general
URBAN SPACE & SCALE	Living closer to work Densification – smart growth car-free zones/development	Reallocation of space; priority for public transport, cycling friendly streets, Pedestrianisation of (central) areas, liveable streets	Intermodality, nodal points Park + Ride
REGULATION & PRICING	Congestion charging, road pricing, environmental zones, parking policies, subsidies for cleaner vehicles	Subsidies for (electric) bikes, public transport Green procurement (public transport)	
LIFESTYLE & BEHAVIOUR	Car sharing awareness-raising/education: is the car the best option for this trip?	Awareness information education mobility plans	Behavioural change Shared mobility clearly targeted personal information health
ITS & TECHNOLOGY	Green Cars; electric, hybrid, bio-fuel etc.	Opportunities to enhance use: ITS, real-time information, integrated journey planners, apps for public transport, walking and cycling	ICT possibilities for working at home, shopping on the internet etc.

In focus: subthemes

- State of the art science, position papers
- State of the art city policies
- State of the art EU policy context
- Best practices from EU cities
- Short reaction EP (Urban Intergroup)
- Scientific questions resulting from urban practice



Next steps

Input URBAN Intergroup

- Remarks on theoretical framework: positive/negative
- Research questions
- What role can the EU play in bringing sustainable urban mobility?
- Future cooperation EMI

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Input URBAN Intergroup: policy guidelines?

	Less / cleaner car use	More use of alternative forms of transport	Other, general
URBAN SPACE & SCALE			
REGULATION & PRICING			
LIFESTYLE & BEHAVIOUR			
ITS & TECHNOLOGY			

Questions? Comments?