Cities and Regions for Transport Innovation

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European network

78 members from small towns to big regions

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Peer-to-peer exchange

Policy

Research

Innovation

78 Cities & regions
Urban mobility: Main policy challenges & goals

Source: EC – 2015 statistics

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Sustainable Urban Mobility Policy

Sustainable Urban Mobility Plans

- Milestone: Final impact assessment concluded
- Update current plan regularly
- Review achievements - understand success and failure
- Identify new challenges for next SUMP generation
- 11. Learn the lessons
- Implementing the plan
- Sustainable Urban Mobility Planning
- Rational and transparent goal setting
- Elaborating the plan
- 8. Build monitoring and assessment into the plan
- 7. Agree on clear responsibilities and allocate funding
- 6. Develop effective packages of measures
- 5. Set priorities and measurable targets
- 4. Develop a common vision
- 3. Analyse the mobility situation and develop scenarios
- 2. Define the development process and scope of plan
- 1. Determine your potential for a successful SUMP
- Preparing well
- Milestone: SUMP document adopted
- 9. Adopt Sustainable Urban Mobility Plan
- 8.1 Check the quality of the plan
- 8.2 Adopt the plan
- 8.3 Create ownership of the plan
- 7.1 Assign responsibilities and resources
- 7.2 Prepare an action and budget plan
- 6.1 Identify the most effective measures
- 6.2 Develop SMART targets
- 6.3 Consider best value for money
- 6.4 Use synergies and create integrated packages of measures
- 5.1 Identify the priorities for mobility
- 4.1 Develop a common vision of mobility and beyond
- Actively inform the public
- 3.1 Prepare an analysis of problems and opportunities
- 3.2 Agree on workplan and management arrangements
- 3.3 Plan stakeholder and citizen involvement
- 2.2 Strive for policy coordination and an integrated planning approach
- 2.1 Look beyond your own boundaries and responsibilities
- 1.1 Define basic timeline
- 1.2 Identify key actors and stakeholders
- 1.3 Commit to overall sustainable mobility principles
- 1.4 Conduct self-assessment
- 1.5 Assess impact of regional/national framework
- 1.6 Review availability of resources
- Milestone: Measures Identified
- Milestone: Analysis of problems & opportunities concluded

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Polis Pillars

- Environment & Health
- Traffic Efficiency
- Access
- Road Safety & Security
- Governance & Integration

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Activities

Peer-to-Peer Exchange
Research & Innovation
Policy & Advocacy

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Working Groups

- Active Travel & Health
- Clean Vehicles & Air Quality

Traffic Efficiency:
ITS, traffic management, automation, MaaS, data,…

- Governance & Integration
- Small and medium sized cities platform
- Urban Freight

Road Safety:
VRUs, data collection, vehicles and ISA, …

- Economic & Social Access
- Parking

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75% EU legislation is implemented locally
The voice of cities and regions

- Meetings with local politicians
- Polis position papers & policy documents
- Polis represents local/regional authorities during EC consultations, towards EP, EC, EESC, CoR
- Polis leads the ERTRAC Urban Mobility Working Group which defines research priorities on sustainable urban mobility for EC funding programmes

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• Local opportunities for digital parking
• Road Vehicle Automation
• Mobility as a Service
• The role of transport in Smart Cities
• Securing the health benefits of active travel
• Open data
• Coming up next: Regulating micromobility
Regulate to innovate!

Anticipate
Build understanding of possible impacts
Identify where innovation can deliver positive outcomes and where there are risks
Talk & cooperate – ppp’s
Define measures - policy, financial, regulatory - to maximise opportunities and minimise disbenefit
Carrots & sticks
Lead by example

Need for public sector oversight
Cities should be in the driver’s seat!
Trending topics

New and shared mobility services
Multimodal traffic management
Health impacts of active travel
Clean city logistics
Electromobility
Dynamic kerbside management
MaaS
Automation
Innovation in SMCs
Urban vehicle access regulations
Data
Potential MaaS benefits

- Promoting sustainable travel, especially giving up the car
- Improving efficiency of existing transport services and public resources
- Leveraging personalized approach to develop inclusive systems
- Enhancing access to transport services
- Offering choices to users
MaaS

Risks of a purely commercial MaaS approach:

- Dis-incentivising sustainable trips
- Higher costs for user or transport provider and unequal services
- Creating a disconnect between the user, transport provider and transport authority

Public sector oversight

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AVs: Possible outcomes for cities

Travel behaviour
- Reduction in private car ownership
- More motorised trips

Spatial
- More public space created by redundancy of parking
- Urban sprawl and longer commuting

Social
- Enhance transport provision to persons with limited transport access
- Increased social division and inequality

Survey indicates that ~55% of all car, public transport and bicycle users prefers a form of SDV in scenario 3

Impact of self-driving vehicles on the city of Amsterdam, Study commissioned by the city of Amsterdam
AVs: Possible outcomes for cities

Road safety
- (i) driver distraction reduction; (ii) road rules compliance
- (i) Interaction with VRUs; (ii) technology infallibility

Traffic management/efficiency
- C-ITS: richer data for traffic and asset management; improved vehicle control
- Improved traffic efficiency leads to more vehicles

Infrastructure
- If significant investments: new business models

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Electromobility: Multi-faceted transition
Regulating access
Micromobility

- Electromobility
- Modal shift
- Environmental impact
- Active travel
- Urban space
- Data
- Governance and regulation
The public authority as urban space manager

- Land use planning - densification
- Prioritising modes through space reallocation
- Pricing space
- Dynamic kerbside management
- Parking
SMC Platform

Small and Medium-sized Cities

- discuss mobility governance issues specific to their size and shape
- living laboratories for innovation
  - due to their size, SMCs offer an ideal ground for testing and implementing new transport technologies and services that are crucial to solve the most pressing mobility challenges
- attract industry and new mobility services

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Thank you!

Want to join Polis? 😊

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