

Exploratory Workshop

Programme

The Futures of the City:

Towards a sustainable urban environment and mobility

24-25 November 2010

Artemis Hotel, John M. Keynesplein 2, 1066 EP Amsterdam, The Netherlands

EXECUTIVE SUMMARY

A vast majority of European citizens are living in urban areas. The impact and perception of issues regarding environmental, economic or social developments will increasingly have an urban dimension. Urban issues will therefore have a major place in future research agendas, but they need to be dealt with policy makers and scientists having a transversal approach, able to deal with such complex system as the city is. COST TUD encompasses a wide range of scientific expertises, able to address those urban issues in a holistic way. The scientific fields covered by the COST Domain "Transport and Urban Development" (TUD) including civil engineering, planning and social sciences, the flexibility of the COST mechanisms as well as its bottom-up base places COST TUD in a unique position to play a role and address research issues relevant to the challenges the cities are facing

The workshop aims at (a) mapping major challenges regarding the (built) urban environment and mobility, (b) sharing different visions of the potential and different futures of cities, and (c) identifying roles of Research, Development and Innovation (RD&I) instruments (within the European Research Area).

The workshop will gather more than thirty participants including policy makers and other stakeholders on the one hand and representatives from the research community on the other.

The workshop is organised in four sessions. Each session is introduced by three presentations followed by a large time slot for discussion. The first session focuses on the challenges of (European) urban areas (e.g. urban sprawl and congestion, social deprivation and segregation, environmental degradation including impacts of climate change...). The second session deals with major functions of the cities (economical, social, and political). The discussion of the first two sessions will lead to a better understanding of the challenges and opportunities related to prospering urban systems thanks to innovation, social cohesion, intelligent transport systems, new governance models, new urban planning concepts, etc. The third and the fourth sessions concentrate on the organisation of European research as well as on the development of emerging technologies and governance solutions in order to minimise the Ecological Footprint of urban areas while positioning European cities as liveable, competitive and accessible places.

In order to increase the interaction among the participants, a brainstorming session completes the programme. The participants will split into three groups and will indicate the challenges for European cities, the emerging solutions from science and technology, and the mapping of the roles of European RD&I-instruments.

The output of the workshop will offer a picture of the challenges and opportunities of European areas. It will also provide elements for an action plan and/or a strategic research agenda. Finally, it will give an indication of the role of the different stakeholders as well as clear positioning of COST. Possibly, some 'follow up' activities could be agreed on.

DAY 2 – Thursday 25 November 2010

9.00 Session 4 (plenary) – Shaping the future: contribution from research

Chaired by: **Jan Spousta** (Transport Research Center-CDV, Czech Republic)

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|--------------|-----------------------------|--|
| 9.00 | Peter Nijkamp (TBC) | Free University of Amsterdam, The Netherlands
Planning our urban future |
| 9.20 | Hans-Günther Schwarz | Federal Ministry of Innovation and Technology, Austria
Joint Programming Initiative "Urban Europe" |
| 9.40 | Dominique Mignot | INRETS, France
European Strategic Agenda on Urban Mobility |
| 10.00 | André Pirlet | CEN-CENELEC, Belgium
Standards and Research, a key issue for European competitiveness |
| 10.20 | | Discussion |
| 10.50 | <i>Coffee break</i> | |

11.15 Session 5 (plenary) – Solutions from science and technology to societal challenges

Chaired by: **Gabriele Grimm** - German Federal Ministry of Transport, Building and Urban Development, Germany

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| 11.15 | Felix Creutig | TU Berlin, Germany
Green Cities |
| 11.35 | Mary Keeling | IBM, Ireland
SMART Cities |
| 11.55 | Antonio Borghi | Architect's Council of Europe, Belgium
Sustainable Architecture, Construction and Materials |
| 12.15 | | Discussion |
| 12.45 | <i>Lunch</i> | |

14.00 Session 6 (3 parallel brainstorming groups)

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| 14.00 | Session 6a (parallel) – Brainstorming Group 1 | |
| | Rapporteur: Hendrick Van der Kamp (Dublin Institute of Technology, Ireland)
Rapporteur: Metka Sitar (Faculty of Civil Engineering University of Maribor, Slovenia) | |
| 14.00 | Session 6b (parallel) – Brainstorming Group 2 | |
| | Moderator: Terje Kleven (Norwegian Institute for Urban and Regional Research, Norway)
Rapporteur: Jan Spousta (Transport Research Center-CDV, Czech Republic) | |
| 14.00 | Session 6c (parallel) – Brainstorming Group 3 | |
| | Moderator: Willy Diddens (Ministry of Infrastructure and the Environment, The Netherlands)
Rapporteur: Gabriele Grimm (German Federal Ministry of Transport, Building and Urban Development, Germany) | |
| 15.30 | <i>Coffee break</i> | |

