

Abstract

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Organisation :

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Short description:

At the Wuppertal Institute, we understand sustainability research as

- oriented on applicability in real life
- integrative and cross-sectional
- interdisciplinary and based on systems analysis
- oriented on long-term ecological developments
- based on teamwork across the classic scientific disciplines
- relying on a network of partners in science, business and policy
- independent and committed.

Presentation title: New fuels - the need for urban planning and new infrastructure

Executive Summary of your Abstract:

Indeed, it seems adequate to consider sustainable urban and transport planning first, before filling in new infrastructures into the cities. An articulated picture of the status and the perspectives will ease the decision-making.

Abstract:

"City" and "metropolitan area" are widely vague concepts, far away from a consistent meaning. Therefore, we had to clarify our understanding of urban territories first. More difficult is to answer the question, to what form(s) such territories should develop for meeting sustainability standards. Naturally, this implies the question, how urban and non-urban (mostly called just "rural") territories could work together.

The better our comprehension of this subjects, the better will prove also the chance to get a clear picture about appropriate sustainable transport and mobility systems and infrastructures, and vice versa. Of course, final results cant be determined within a few minutes, but some orientation should be derived.

Finally, it marks the most significant and most difficult challenge, how to come to sustainable solutions from the present situation. Only more general considerations can be delivered here again, since the respective local circumstances are unique and it will be a must to formulate the definite paths locally. However, it may be worthwhile to identify and discuss preferable patterns.

Resumé:

Studied philosophy, psychology and mathematics; after research at the Techn. Univ. Berlin, the Environmental Research Institute in Graz, and the Inst. for Research on Regional and Urban Development in Dortmund, now from 1992 at the Wuppertal Institute, as Co-Director firstly of the transport division, and from 2003 of the Division on Future Energy and Mobility Structures. Works on systems analysis and scenarios, development and assessment of measures and instruments in a broad range, lastly focussed on transport and environment. Currently project leader of the accompanying ecological research within the programme "Modellregionen Elektromobilität" of the German government.

Recommended reading:

Mobilität für morgen (Mobility for To-morrow), Basel 1995; (with Rudolf Petersen)

Ökologischer Stadtverkehr (Ecological Urban Transport), in: Ernst-Hasso Ritter, ed.: Stadtökologie (Urban Ecology), Berlin 1995, S. 127-144

Konzepte für einen nachhaltigen Verkehr (Concepts for a Sustainable Transport), in: Heiner Monheim u.a., ed.: Neuorientierung von Verkehrsforschung und Verkehrspolitik (Re-orientation of Transport Research and Transport Policy), Universität Trier 2002, p. 37-83

Assessment of technical and policy options for mitigating transport emission. Download:
http://www.pfcmc.com/esa/dsd/susdevtopics/sdt_pdfs/meetings/egm0809/Schallaboeck_EGM_082009.pdf

Thesen zur Zukunft des Verkehrs aus der Sicht eines Zukunftsforschers. Download:
http://rhein-ruhr.dvwg.de/index.php?eID=tx_nawsecuredl&u=0&file=uploads/media/091103DVWG-KOS.pdf&t=1286637773&hash=9ca9f51a38661421b079566ee3c2e967