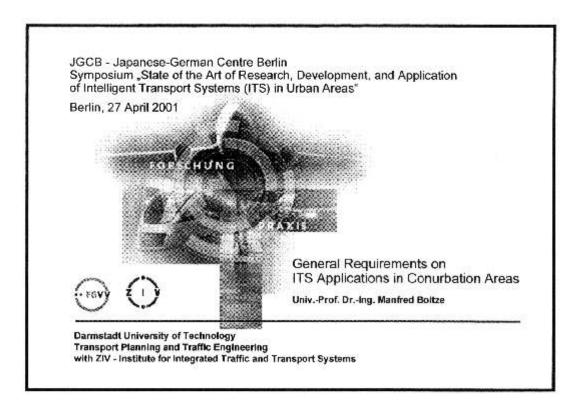
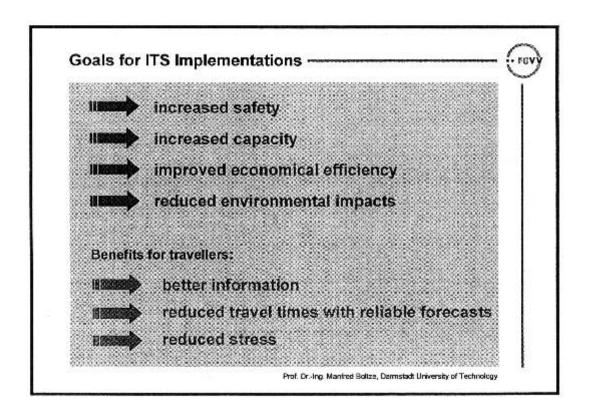
Keynote Lectures

General Requirements on ITS Applications in Conurbation Areas

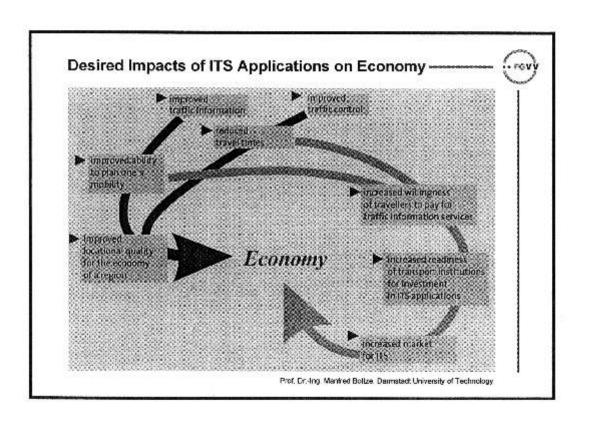
Prof. Dr-Ing. Manfred BOLTZE

Darmstadt University of Technology





ITS are acknowledged as user-friendly services for citizens, and these services improve the image of administrations and transport authorities. Better information improves the citizens understanding of the traffic situation and of transport policies. ITS may be part of a marketing concept of transport operators, city authorities or other institutions or even of a whole region (regional marketing). Data gathered for traffic control and traffic information may also be used to improve the general data base for transport planning.



ITS Implementation - Sovereign Task or Free Enterprise Business?



ITS partly has to be considered as a sovereign task, but partly it can only develop under market principles!

Open questions:

Where do we have to apply sovereign, regulatory principles to ensure the interests of our society?

Where must and where shall we steer the market-oriented development of ITS?



Appropriate share of tasks between public and private institutions.



Development should be supported and not be hindered.

Prof. Dr.-Ing. Manfred Boltze, Darmstadt University of Technolog

Areas of Application for Static and Dynamic ITS -



Dynamic traffic control and information systems are particularly useful if negative traffic situations occur on an unregular basis.

If disturbances or overloads occur



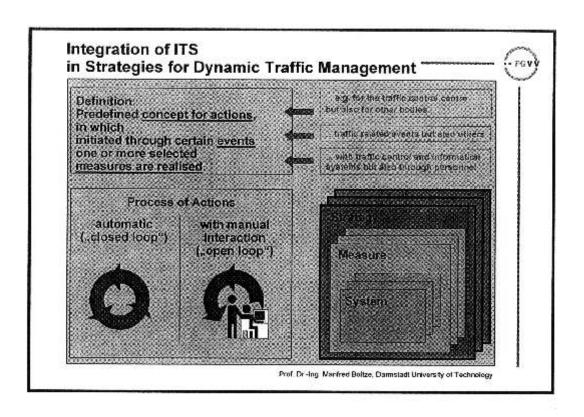


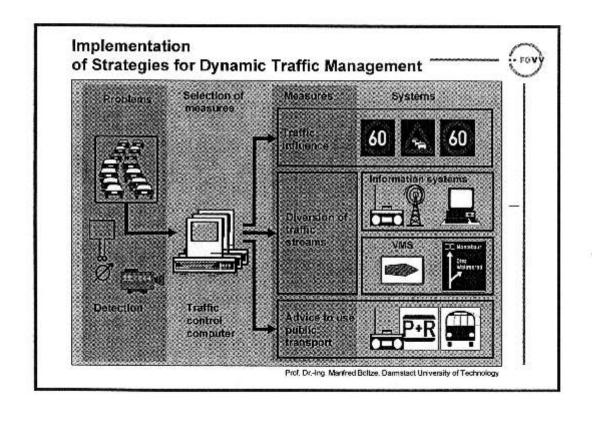
on a regular basis

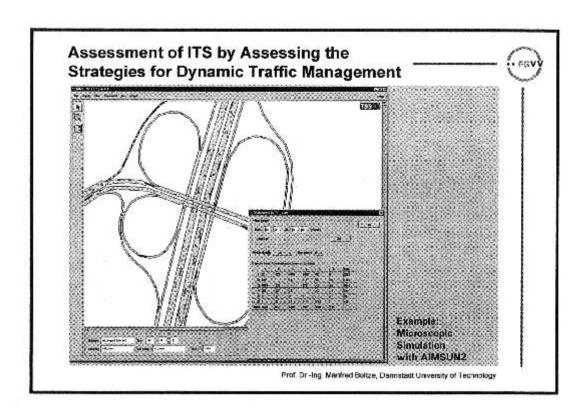


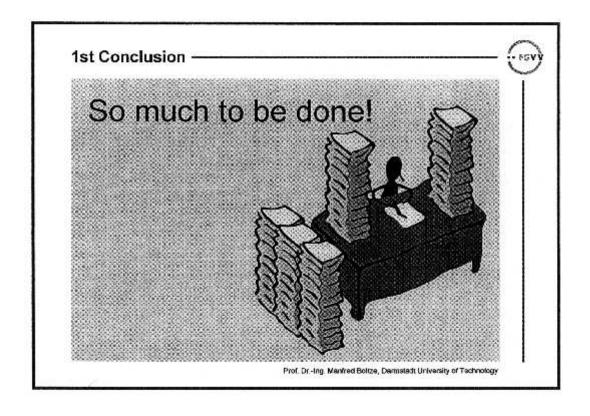
it should be investigated, if less expensive static systems could be sufficient.

Prof. Dr.-Ing. Manfred Boltze, Darmstact University of Technology









2nd Conclusion



For ITS applications the general rules of planning apply as well. For example:

- goal-oriented application (definition and assessment of strategies for traffic management)
- considering groups of measures instead of single measures only
- integrated design of transport infrastructure and its operation (infrastructure planning must consider traffic control measures)
- considering the regional, intermodal and interinstitutional aspects (improving networks for data exchange)
- considering cost effectiveness
- appropriate share of tasks between public and private institutions

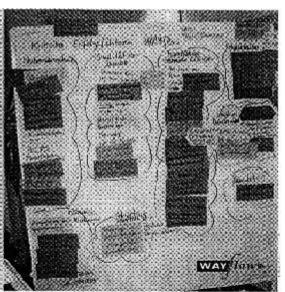
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3rd Conclusion



There are many critical factors of success for ITS Applications, e.g.:

- user acceptance, quality of services
- technical solutions in line with market requirements, business case for the operation, economical success
- intention of partners to co-operate, working PPP's
- reasonable impacts



Prof. Dr.-Ing. Manfred Boltze, Darmstadt University of Technology

Some slides presented by Prof. Boltze during the further discussion:

ITS in Urban Areas - State of Development: Results of an ADAC Survey Questionnaire sent out to 326 cities, answered by 261 cities. 44% of the cities own traffic control centres 43% of the cities control road traffic by network control systems 31% of the cities control road traffic by line control systems 63% of the cities own electronic priority systems 37% of the cities own a dynamic parking guidance system 45% of the cities collect traffic data dynamically 34% of the cities offer traffic information. 68% of the cities offer online services for citizens 26% of the cities use ITS within their administration 55% of the cities use electronic cash systems Allgemeiner Deutscher Automobil Club e.V. (ADAC); Verteinstelematik in Städten - Zwischenbericht Montch, March 2001 Prof. Dr.-Irig, Manfred Boltze, Darmstadt University of Technology

