

The Eco-Friendly Way Of Travelling Innovative Technologies And Measures In The Transport Sector - Summary by Evelinde Grassegger -

Present trends (Austrian Passenger Traffic Forecast, BMVIT, 1998):

Almost doubling of tourist and leisure traffic until 2010, increase especially in less environmental means of transportation (road traffic, air traffic)

Contribution of innovative transport technologies to eco-friendly travelling?

OECD Project EST (environmentally sustainable transport, 2000):

- Technological improvements by itself can not achieve EST criteria but can provide 40 – 45% of effort required to achieve EST criteria
- Combination with policies and measures concerning other sectors to support and accompany the shift towards more environmentally sustainable transport, with important value of innovative technologies

EU White Paper "European transport policy for 2010: time to decide" (EC, 2001):

- Research and technology as central measure for clean, efficient transport
- "Time for less concrete and more intelligence in the transport system"

Examples for innovative technologies and measures in the various areas for environmentally friendly travelling:

Railway sector: enhanced interoperability for high quality cross border traffic, further development in railway telematics for linked place reservation and real time travel information, flexible furniture for day/night-travelling, organisational innovations (e.g. door to door service for luggage), etc



Road sector: transport management by telematics applications, development of a new generation of low or zero emission vehicles (short term: hybrid-electric, all-electric; medium term: hydrogen and fuel cell technology) for clean travelling and local mobility at the destinations, etc

Optimised intermodality: new information and communication technologies for seamless travelling (e.g. electronic travel information systems and electronic ticketing) and local mobility (e.g. mobile on-trip information systems, linked portals offering additional information concerning leisure, culture, gastronomy etc) innovative mobility offers and concepts in transport (e.g. integrated railway and taxi services with one ticket to cope with the last mile), etc

Instruments for research and development of innovative transport technologies:

- 7th European Framework Programme for Research, Technological Development and Demonstration
- National Programmes, e.g. Austrian Strategy Programme "Intelligent Transport Systems and Services" for user friendly, sustainable, safe and efficient transport

For further information please consult: www.bmvit.gv.at/tech