Konstantinos Ch. Alexopoulos
Secretary
WP.5 Working Party on Transport trends and Economics
SC.2 Working Party on Rail Transport
GDP percentage change from 2009 – 2011 in UNECE member States

Source: UNECE
Successful Transport Policy measures in UNECE member States

- Implementing ITS: 10, 11%
- Improving Railways: 14, 16%
- Infrastructure: 13, 15%
- Road Safety Measures: 10, 11%
- Measures for reduction of CO2 emissions: 7, 8%
- Drivers working hours: 4, 5%
- Tachograph: 4, 5%
- Ratification of UNECE Agreements: 4, 5%
- EU Legislation: 4, 4%
- Strategic Plan for transport: 4, 4%
- Transport Market Liberalization: 3, 3%
- Intermodality: 1, 1%
- Promote cycling: 2, 2%

Source: UNECE
Main obstacles for the development of Inland Transport in ECE member States

- Infrastructure (Admin processes, financing etc), 11, 26%
- Non efficient Railways, 10, 23%
- Economic Crisis, 8, 19%
- Congestion, 3, 7%
- Non use of ITS / Technology, 3, 7%
- Decreased use of public transport, 2, 5%
- Intermodal, 2, 5%
- Border Crossing, 1, 2%
- Landlocked, 1, 2%
- Road Safety, 1, 2%
- No efficient Inland Water Transport, 1, 2%
- Road Safety, 1, 2%
- Landlocked, 1, 2%
- Intermodal, 2, 5%
- Border Crossing, 1, 2%
- Economic Crisis, 8, 19%
- Congestion, 3, 7%
- Non use of ITS / Technology, 3, 7%
- Decreased use of public transport, 2, 5%
- Non efficient Railways, 10, 23%
- Infrastructure (Admin processes, financing etc), 11, 26%

Source: UNECE
Number of TIR Carnets issued (2001 – 2011)

Transport Trend
The number of TIR carnets issued is increasing
Cost of a daily bus ticket in selected ECE countries

The average cost of a daily bus ticket in the ECE region is 3,53 US$.

Source: UNECE
Number of railway passengers by millions of passengers-km

Transport Trend

11 countries out of 56 performed more than the 80% of the number of railway passengers in 2009 in ECE region.
Carriage of goods by rail (excluding empty privately-owned wagons) by millions of tonne-km in the UNECE region in 2009

11 countries out of 56 performed more than the 80% of the carriage of goods by rail in 2009
High Speed Rail Traffic in Europe

Transport Trend

High speed trains development contributes to the revitalization of railways
Freight transport by inland waterway in ECE region

Source: OECD, UNECE
Inland Water Transport

**IWT Missing links**

**AGN - Current situation with missing links**

- **Transport Trend**
- Infrastructure Investments in IWT decreased
**Logistics Master Plan**

- Do you have a Logistics Master Plan?
  - Yes: 37%
  - No: 63%

**Intermodal Transport Master Plan**

- Do you have a master plan for Intermodal Transport?
  - Yes: 34%
  - No: 66%

*Source: UNECE*

**Transport Trend**

- Countries start developing National Logistics Masterplans

**Transport Trend**

- Countries start developing National Master plans for Intermodal Transport
Number of Freight Villages in the ECE region

Source: UNECE

Transport Trend
Freight Villages are a reality in ECE region
Countries with logistics – transport competitive advantage

Does your country have a logistics / transport competitive advantage

- Yes: 68%
- No: 15%
- Private Sector Initiative: 17%

Source: UNECE

Transport Trend

The majority of ECE countries believe that they have a logistics / transport competitive advantage.
TEM and TER are flagship infrastructure projects of UNECE. In 2011 published their revised Master Plan. According to the TEM status map, it is possible in 2020 that motorway or dual carriageway sections will be in full operation in five countries and with a few exceptions also in another six countries. According to the TER status map railway sections with a design speed of 160km/h exist at present in nine out of the 25 countries participating in the revision.

In addition, under the Euro Asian Transport Linkages Project (EATL) 421 projects were proposed with a total cost amounting to approximately $271 billion. One hundred forty six are road projects (47 per cent) with value of $113 billion (53 per cent of the total investment cost), 121 are railway projects (39 per cent) with value of $75 billion (35 per cent) and 44 other projects (14 per cent) with value of $25 billion (12 per cent of the total investment cost).
World Bank lending to borrowers in Europe and Central Asia for transportation /fiscal 2006 - 2011

The World Bank, lending to borrowers in Europe and Central Asia for transportation has dramatically decreased from 2,912 millions $ in 2009 to 242 millions $ in 2011.
Vehicles Regulations
Vehicles Regulations

**Transport Trend**
- Development of a UN Global Technical Regulation on electric vehicles

**Transport Trend**
- Development and harmonization of "quiet vehicle" audible acoustic signaling techniques

**Transport Trend**
- Establishment of uniform provisions for advanced emergency braking systems (AEBS)

**Transport Trend**
- Development of lane departure warning systems

**Transport Trend**
- Uniform provisions concerning the approval of light emitting diode (LED) light sources for use in approved signaling lamp units on power-driven vehicles and their trailers.

**Transport Trend**
- Development of global technical regulation to reduce the number of pedestrian fatalities.

**Transport Trend**
- Set of regulations for Hydrogen and Fuel Cell Vehicles

**Transport Trend**
- Regulation to reduce the risk of serious and fatal injury of vehicle occupants in side impact crashes
Climate Change
Do Governments take any measures for climate change?

The majority (88% per cent) of UNECE member States participating in our research have taken measures on climate change during 2011.

For mitigation or adaptation?

The majority of UNECE member States that are taking measures for climate change (18 countries) they are doing so for both mitigation and adaptation.
Intelligent Transport Systems
Are Intelligent Transport Systems used in your public transport?

YES 76%
NO 24%

Purpose of ITS use

Customer Service 41%
Operations 26%
Administration 19%
Security 14%

The majority of ECE countries are using ITS systems on their public transport systems.

Customer Service and operations facilitation are the main purposes for ITS implementation in the ECE region.