Transport Trends and Economics 2011 - 2012

“the transport voice of Governments”

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WP.5 Working Party on Transport trends and Economics
SC.2 Working Party on Rail Transport

Inland Transport Committee
Working Party on Transport Trends and Economics
Transport Policy Review
GDP percentage change from 2009 – 2011 in UNECE member States

Source: UNECE

The majority (84%) of ECE countries are forecasted to have an increase of their GDP in 2011 comparing to 2010.
Successful Transport Policy measures in UNECE member States

Source: UNECE

- Improving Railways: 14, 16%
- Infrastructure: 13, 15%
- Road Safety Measures: 10, 11%
- Implementation of ITS: 10, 11%
- Improving Urban transport: 9, 10%
- 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%
- Promote cycling: 2, 2%

Transport Trend

Improving railways, infrastructure, road safety and the implementation of Intelligent transport Systems were the most popular successful transport policy measures that UNECE member States implemented in 2011.
Main obstacles for the development of Inland Transport in ECE member States

Administration processes and financing schemes for infrastructure development, railways efficiency and the economic crisis were the main obstacles for the development of inland transport in 2011.

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

The number of TIR carnets issued is increasing.

Source: UNECE
Cost of a daily bus ticket in selected ECE countries

Source: UNECE

The average cost of a daily bus ticket in the ECE region is 3.53 US$.
Rail Transport
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

Total Europe Evolution %
Inland Water Transport

Freight transport by inland waterway in ECE region

Source: OECD, UNECE
IWT Missing links

AGN - Current situation with missing links

Transport Trend

Infrastructure investments in IWT decreased
Intermodal Transport Master Plan

Do you have a master plan for Intermodal Transport?

- Yes: 44%
- No: 56%

Source: UNECE

Transport Trend

Countries start developing National Master plans for Intermodal Transport

Logistics Master Plan

Do you have a Logistics Master Plan?

- Yes: 37%
- No: 63%

Transport Trend

Countries start developing National Logistics Masterplans
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 they 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).
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
Do Governments take any measures for climate change?

- **Yes**: 88%
- **No**: 12%

For mitigation or adaptation?

- **Mitigation**: 40%
- **Adaptation**: 60%
- **Both**: 0%

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

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
Do countries use Intelligent Transport Systems?

Are Intelligent Transport Systems used in your public transport?

- **YES**: 76%
- **NO**: 24%

**ITS purpose**

Purpose of ITS use:

- **Customer Service**: 41%
- **Operations**: 25%
- **Security**: 14%
- **Administration**: 19%

**Transport Trend**

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

**Transport Trend**

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