

Transport Trends and Economics 2011 - 2012

“the transport voice of Governments”

Konstantinos Ch. Alexopoulos

Secretary

WP.5 Working Party on Transport trends and Economics

SC.2 Working Party on Rail Transport

Inland Transport Committee

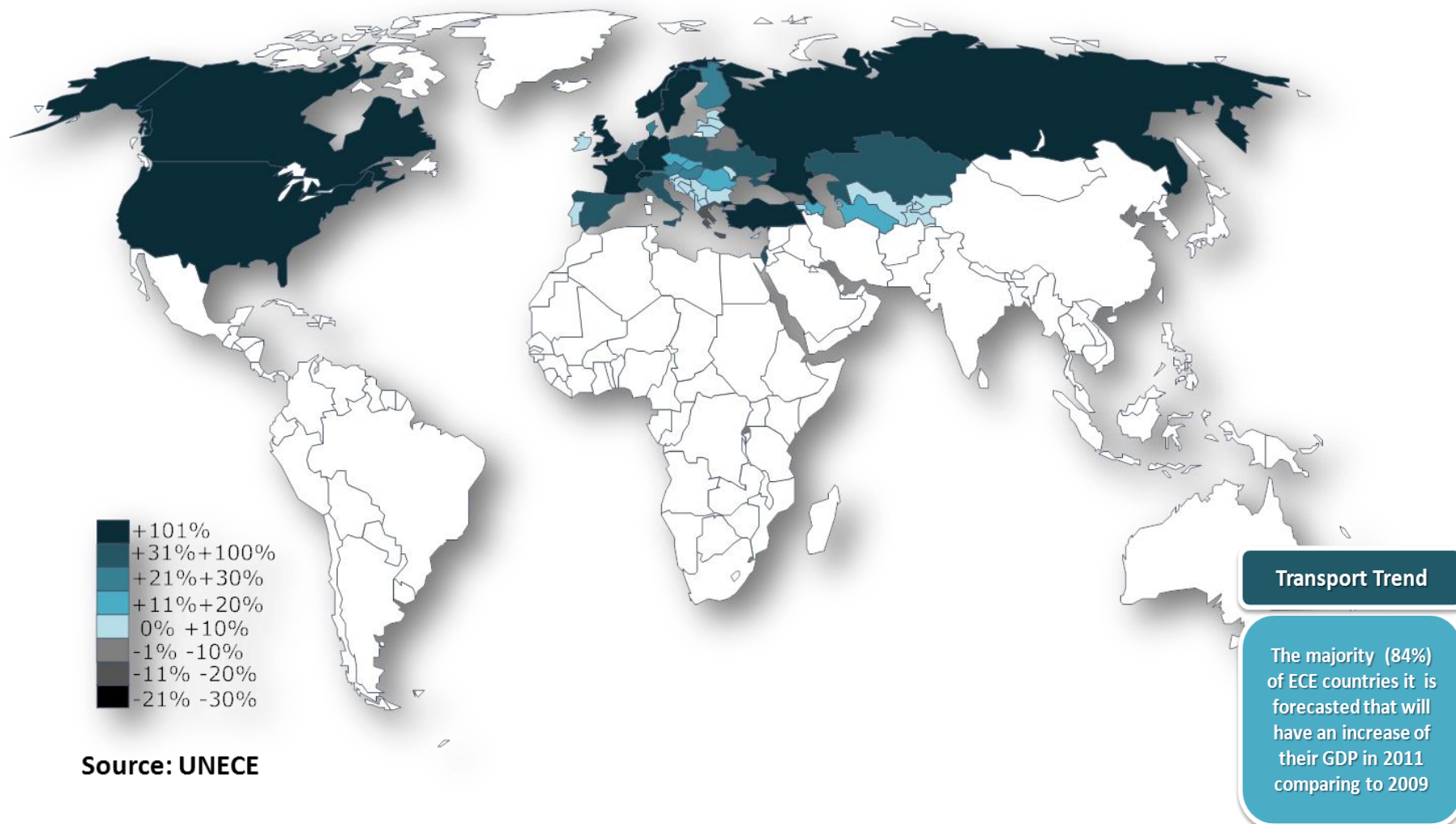
Working Party on Transport Trends and Economics

A blue-tinted photograph of a narrow street in a city. A tram is visible in the lower right, moving away from the viewer. The street is lined with multi-story buildings, and numerous overhead wires crisscross the scene. The overall atmosphere is urban and historical.

Transport Policy Review

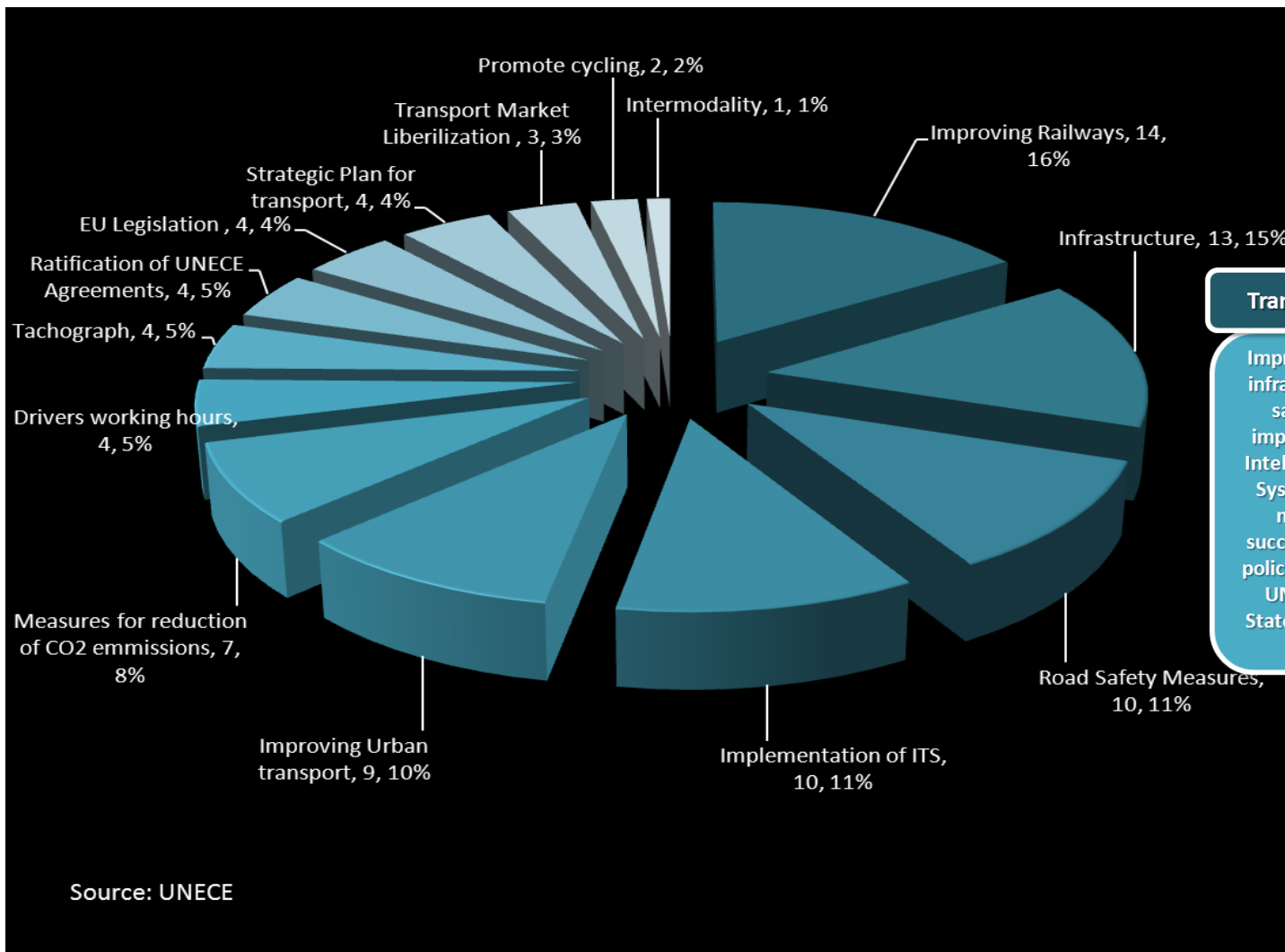


GDP percentage change from 2009 – 2011 in UNECE member States





Successful Transport Policy measures in UNECE member States

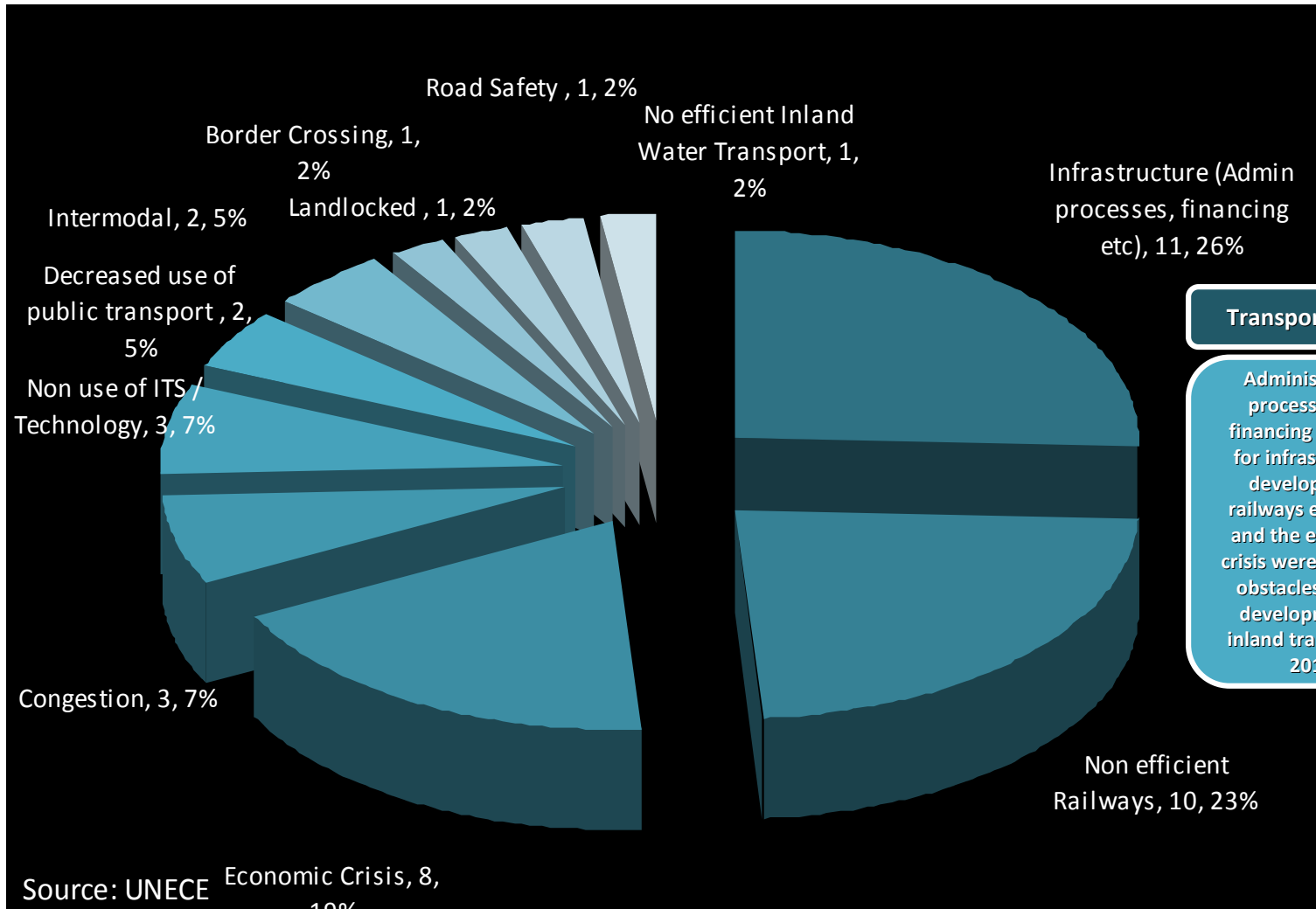


Transport Trend

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

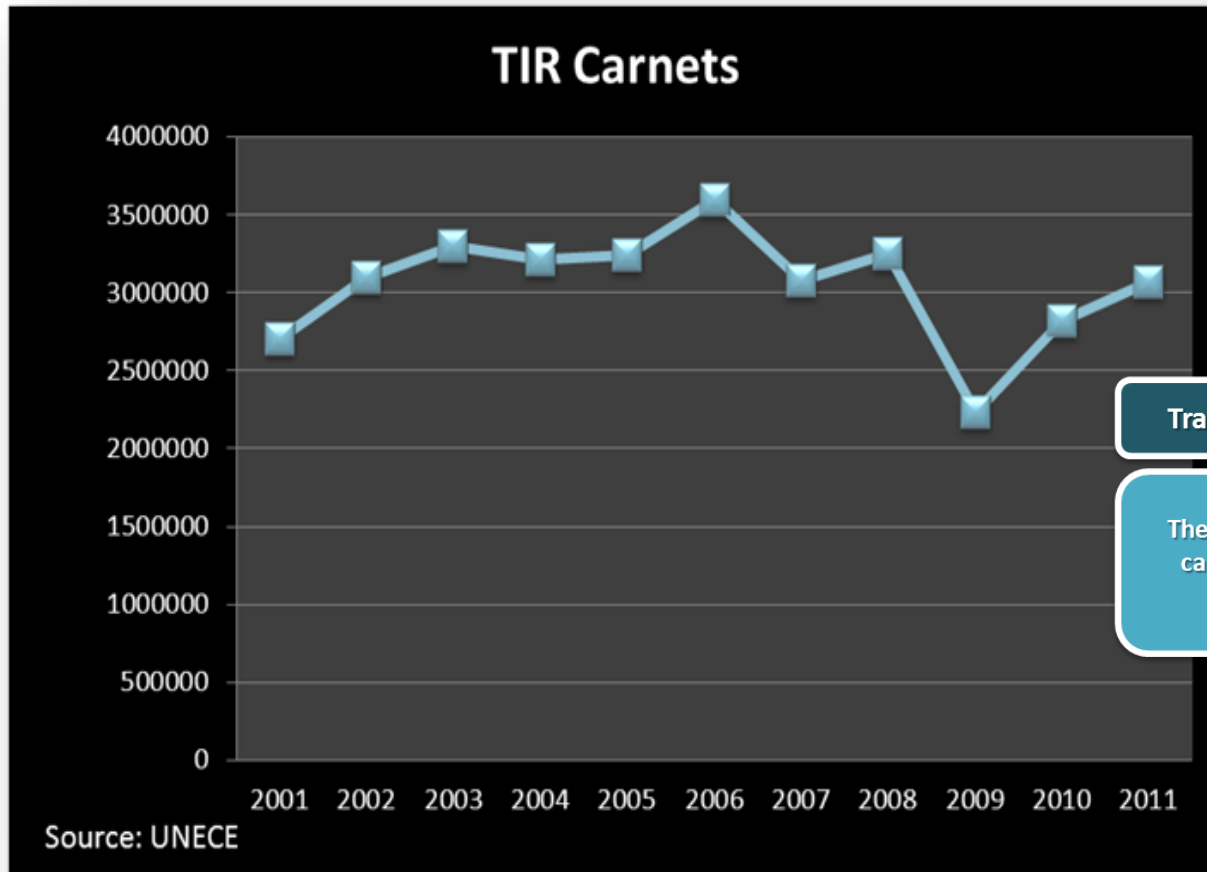




Road
Transport

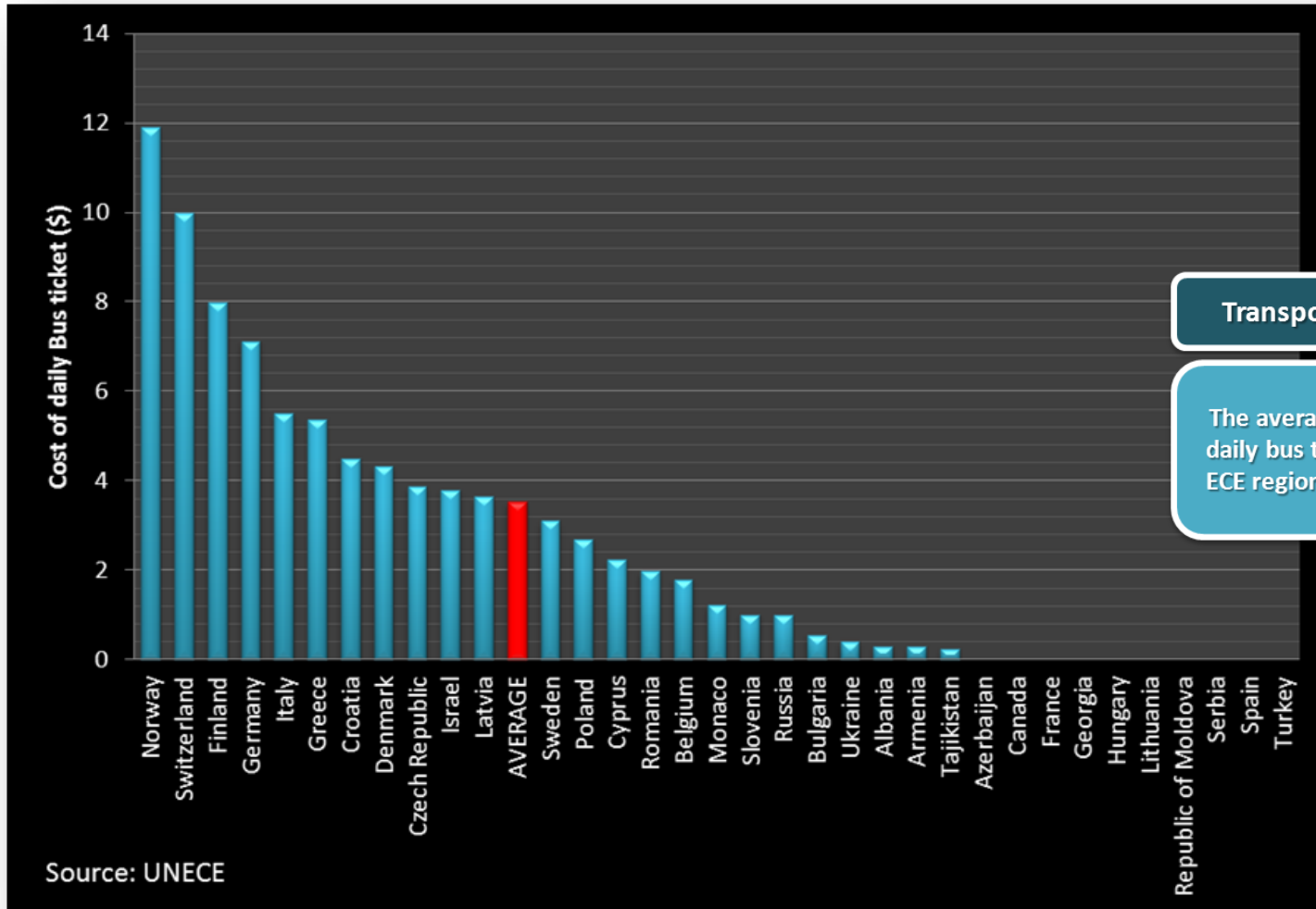


Number of TIR Carnets issued (2001 – 2011)





Cost of a daily bus ticket in selected ECE countries



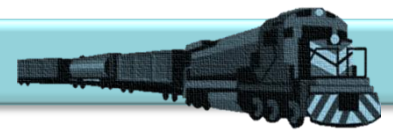
Transport Trend

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

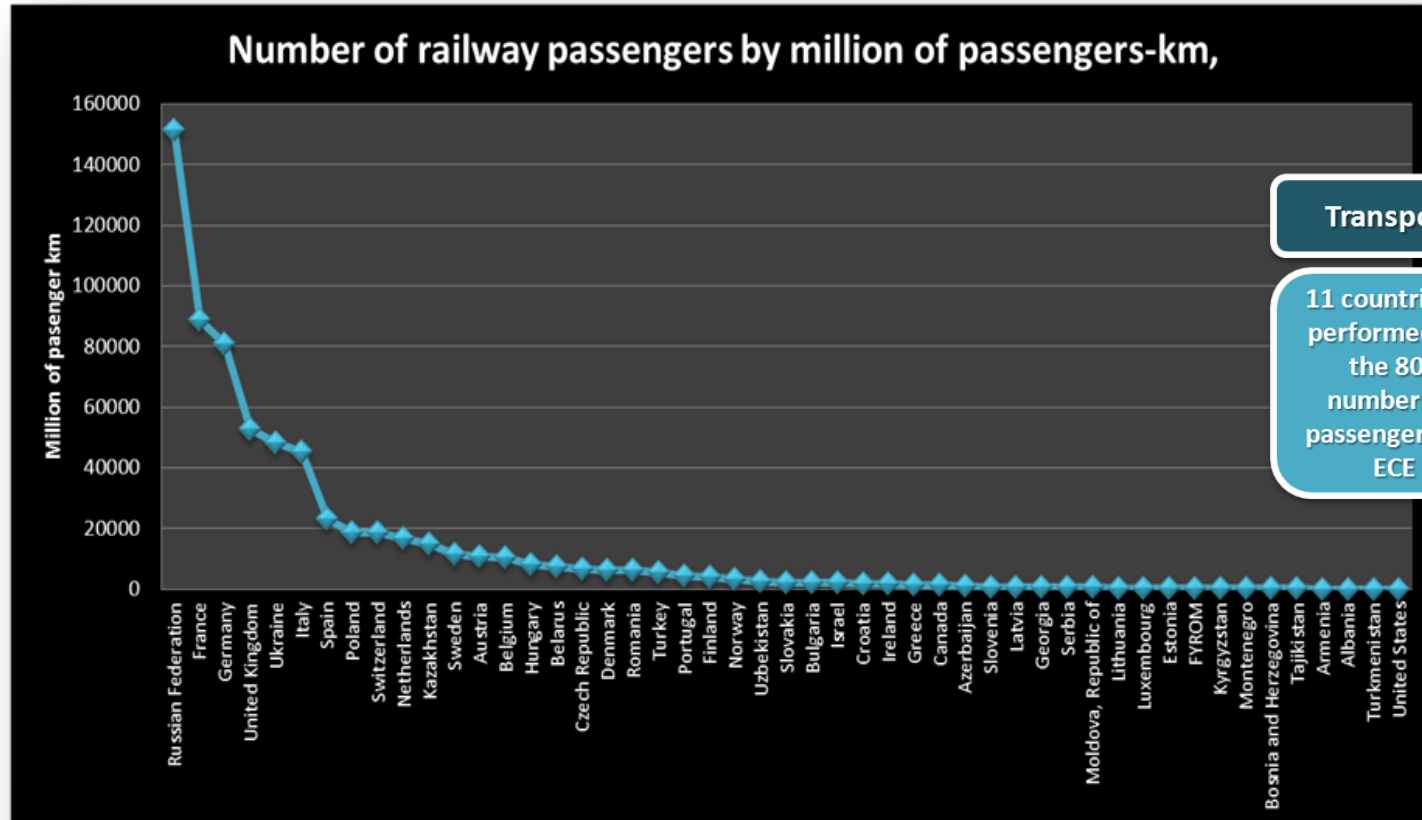
Source: UNECE



**Rail
Transport**

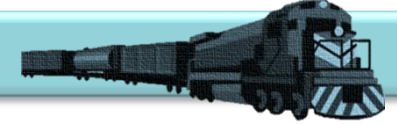


Number of railway passengers by millions of passengers-km

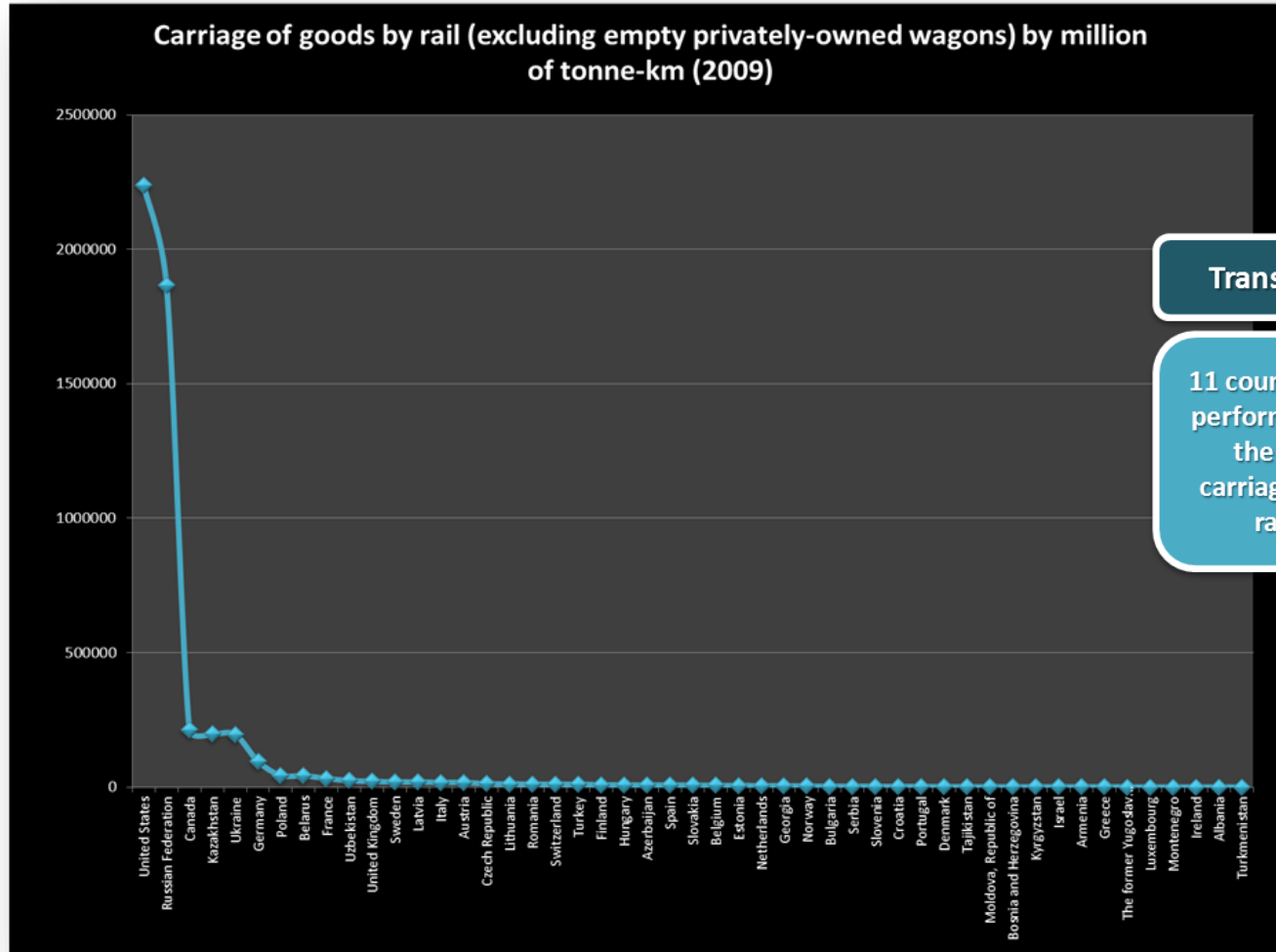


Transport Trend

11 countries out of 56 performed more than the 80% of the number of railway passengers in 2009 in ECE region

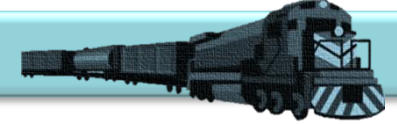


Carriage of goods by rail (excluding empty privately – owned wagons) by millions of tonne km in the UNECE region in 2009

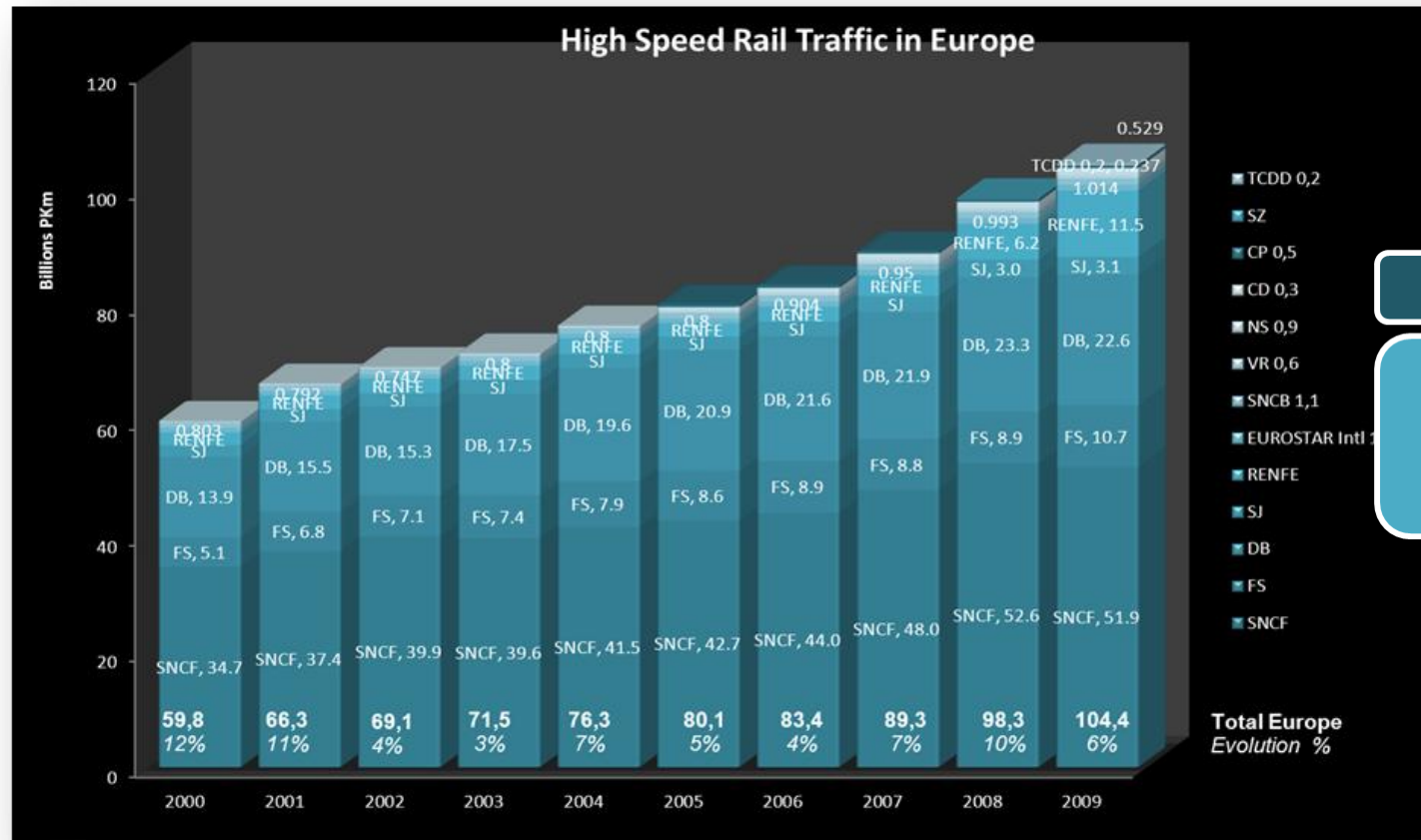


Transport Trend

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

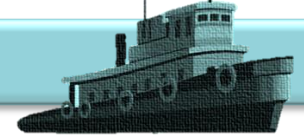
High speed trains development contributes to the revitalization of railways



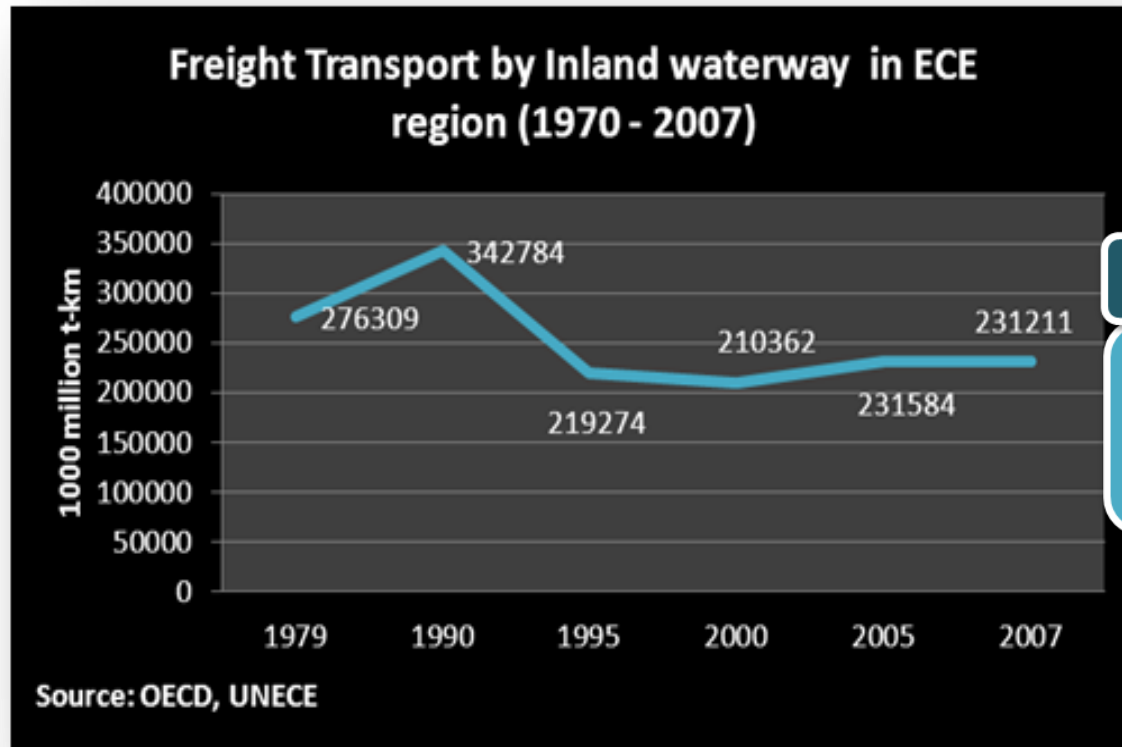
Inland
Water
Transport

M. S. OLSE

M. S. OLSE

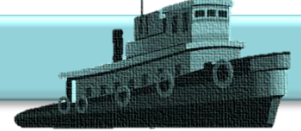


Freight transport by inland waterway in ECE region

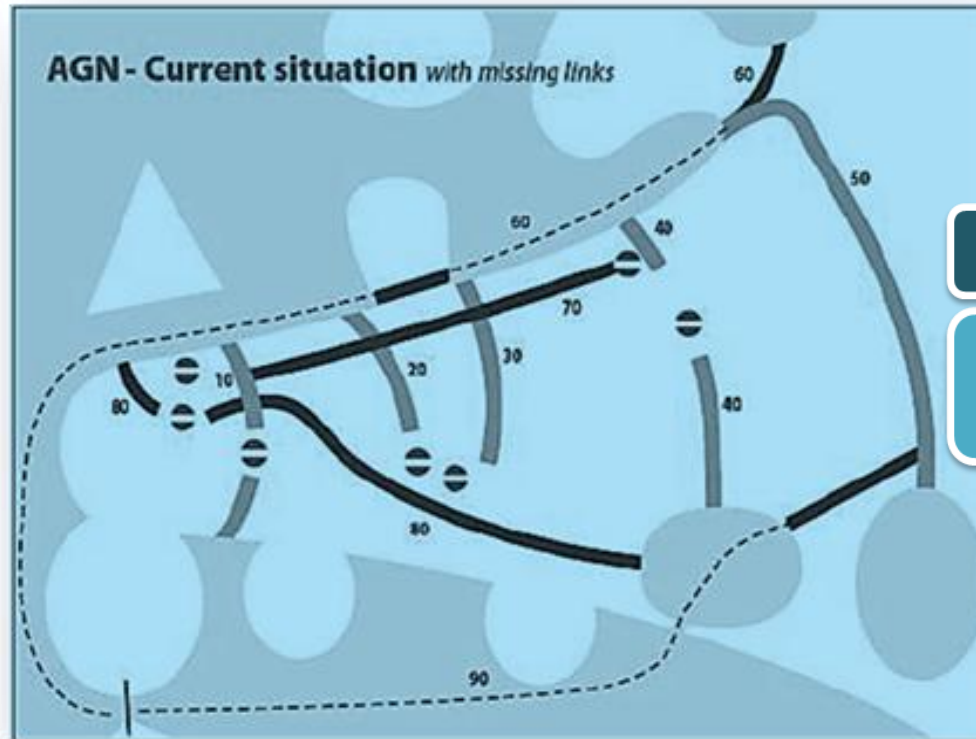


Transport Trend

Inland Water Transport in the ECE region is losing its market share



IWT Missing links



Transport Trend

Infrastructure Investments in IWT decreased



Intermodal
Transport



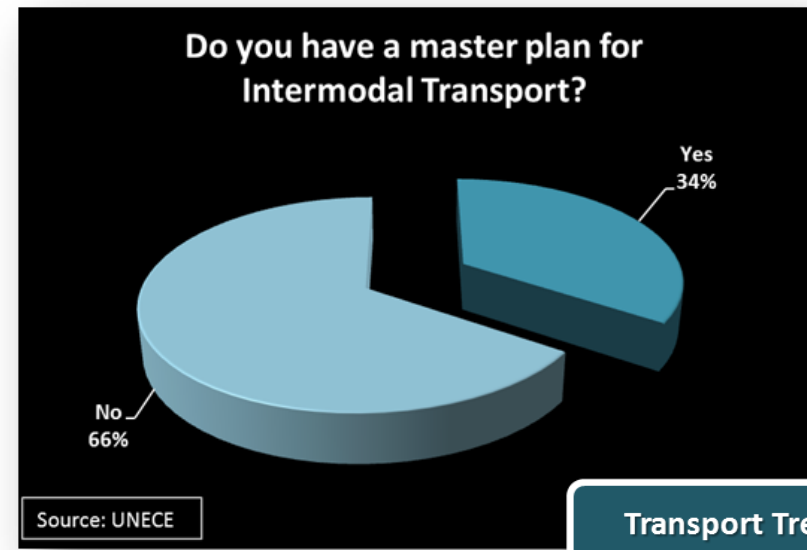
Logistics Master Plan



Transport Trend

Countries start developing National Logistics Masterplans

Intermodal Transport Master Plan

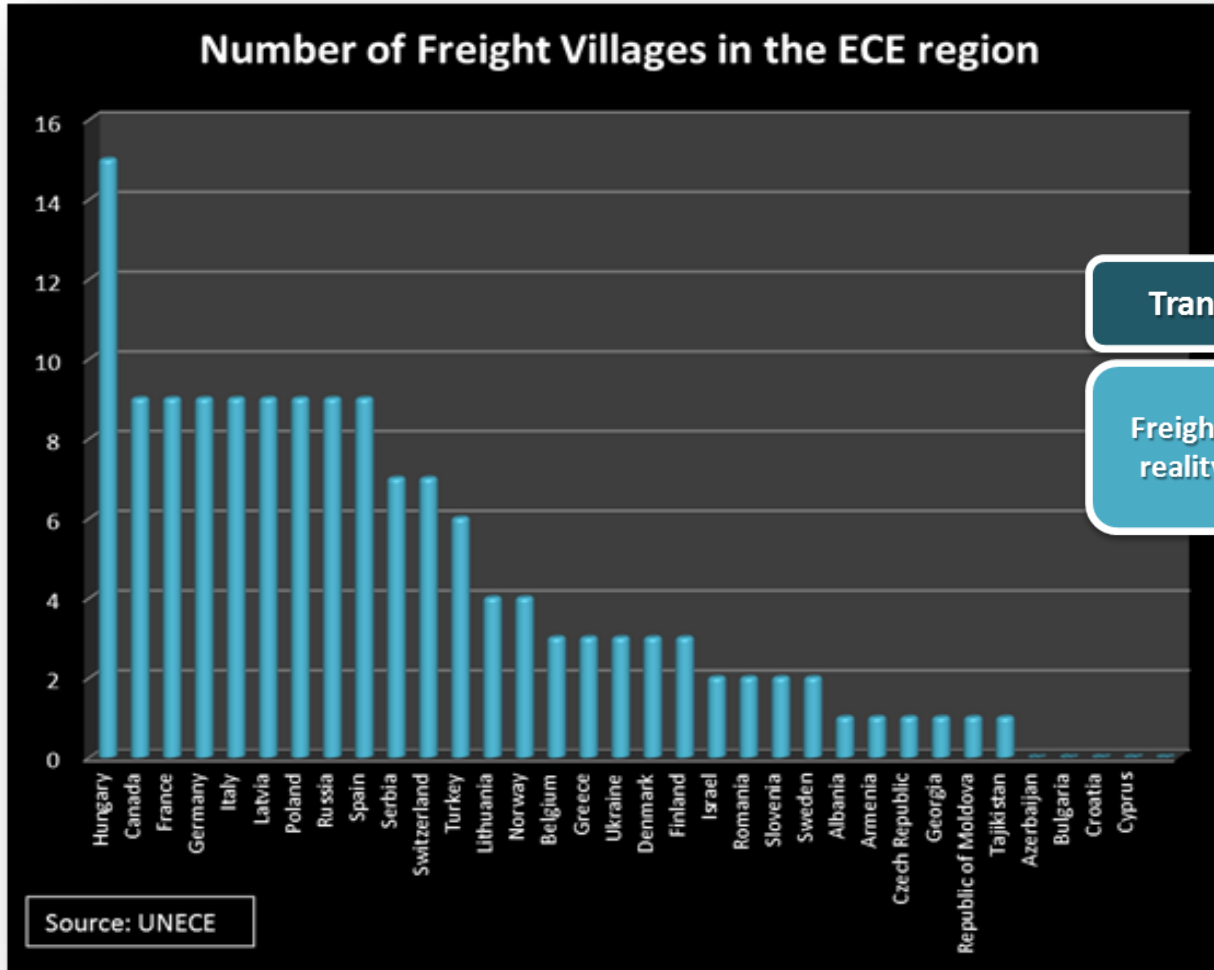


Transport Trend

Countries start developing National Master plans for Intermodal Transport



Number of Freight Villages in the ECE region

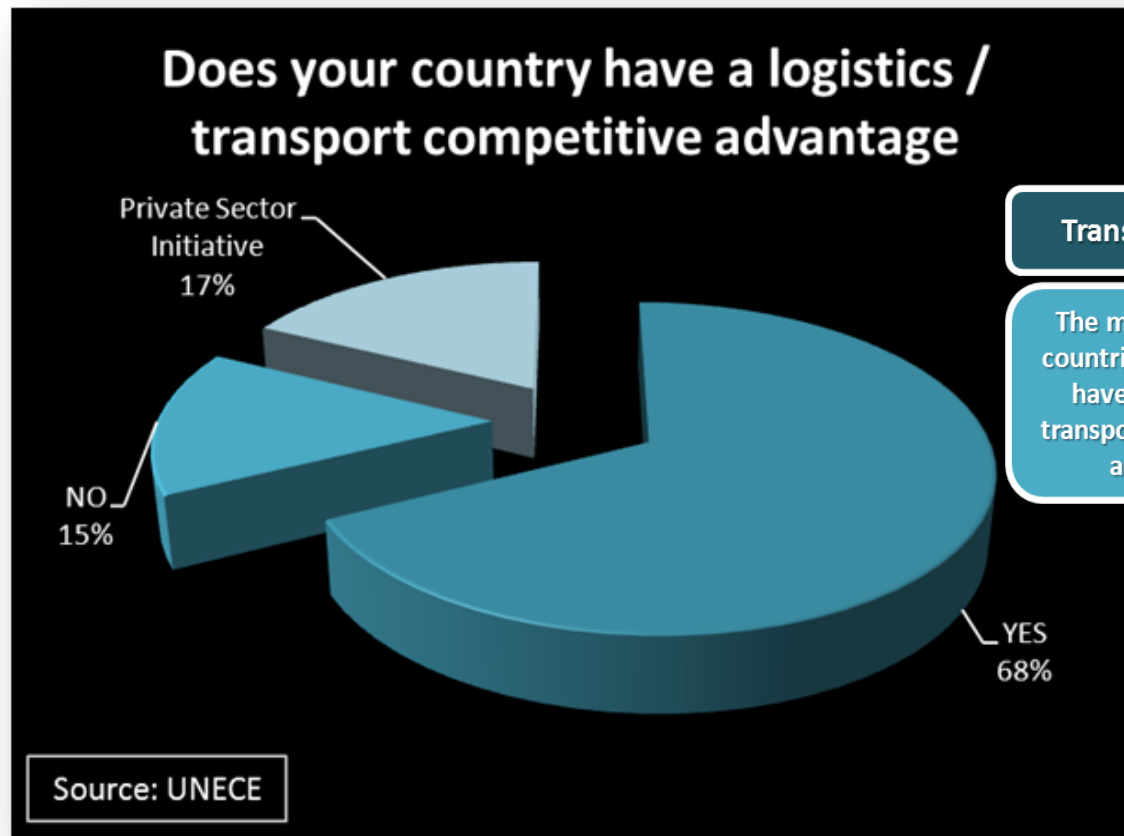


Transport Trend

Freight Villages are a reality in ECE region



Countries with logistics – transport competitive advantage

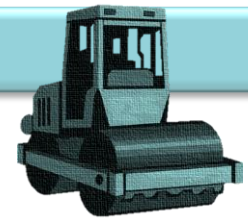


Transport Trend

The majority of ECE countries believe that have a logistics / transport competitive advantage

An aerial photograph of a complex highway interchange, featuring multiple overpasses, ramps, and curved roadways. The image is rendered in a blue-tinted, high-contrast style. The text "Transport Infrastructure" is overlaid on the right side of the image.

Transport
Infrastructure

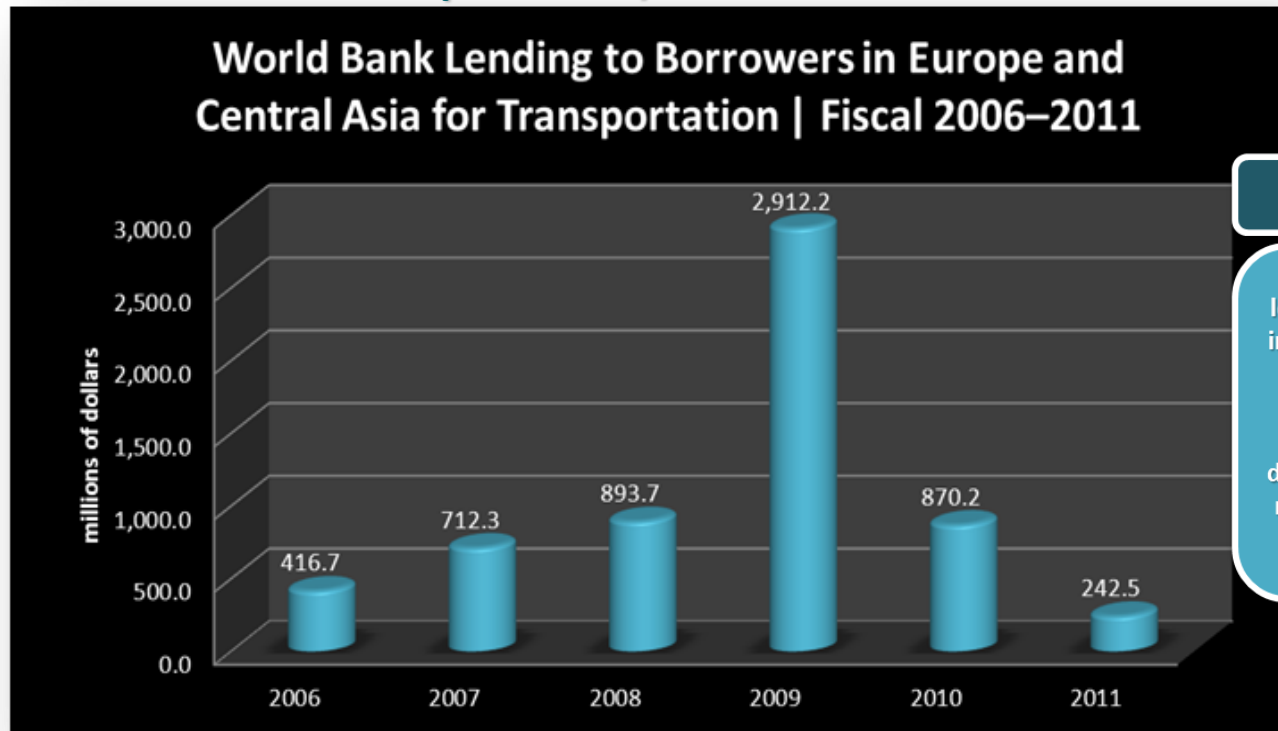


TEM and TER are flagship infrastructure projects of UNECE. In 2011 published their revised Master Plan. According to the TEM status map, it is possible in 2020 that motorway or dual carriageway sections will be in full operation in five countries and with a few exceptions also in another six countries. 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).

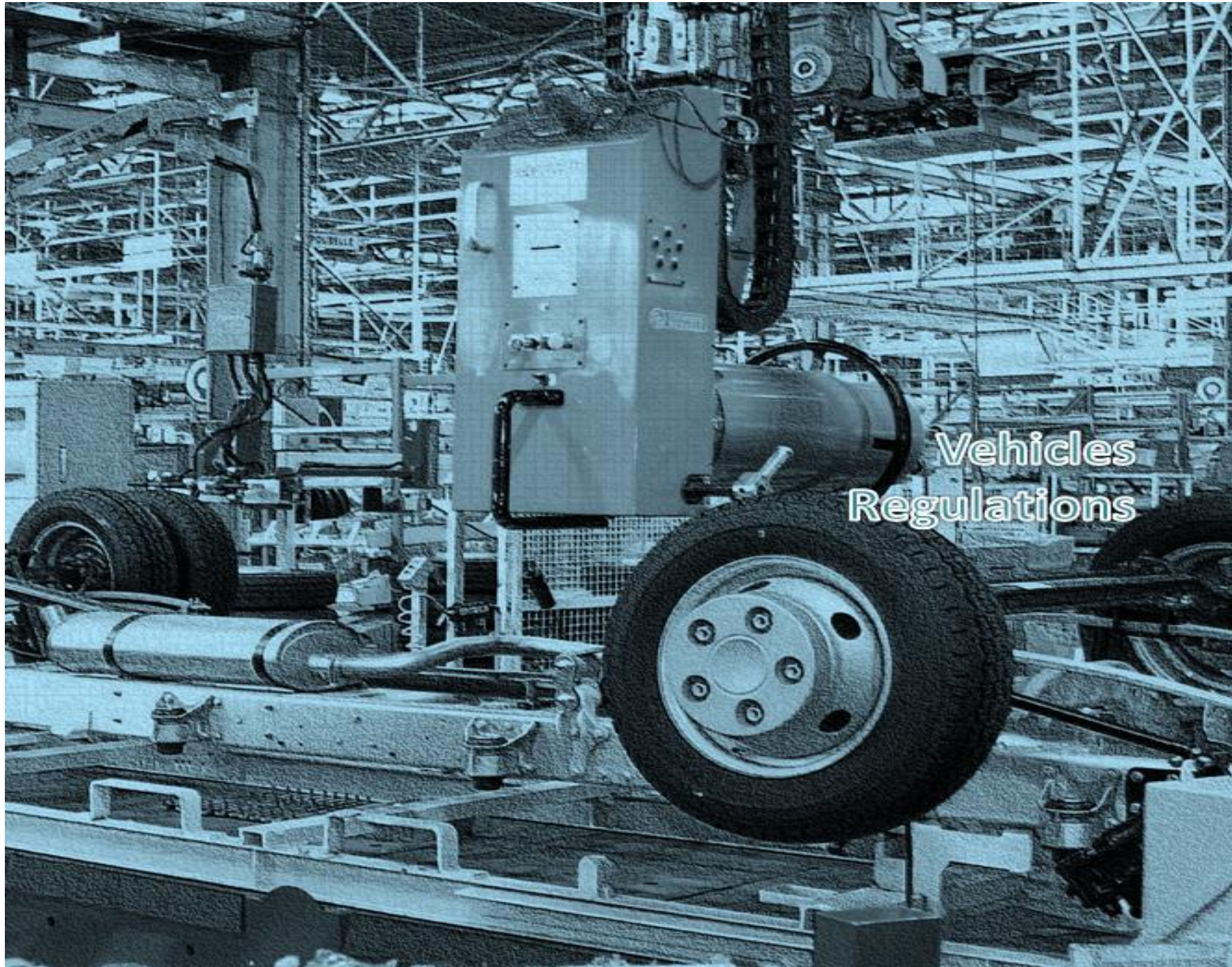


World Bank lending to borrowers in Europe and Central Asia for transportation /fiscal 2006 - 2011

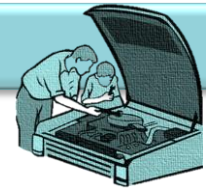


Transport Trend

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



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

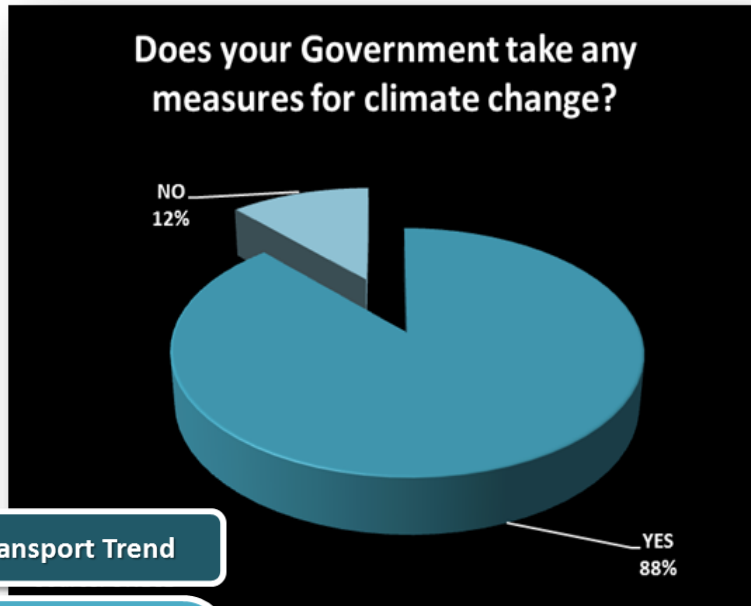
Regulation to reduce the risk of serious and fatal injury of vehicle occupants in side impact crashes



Climate
Change



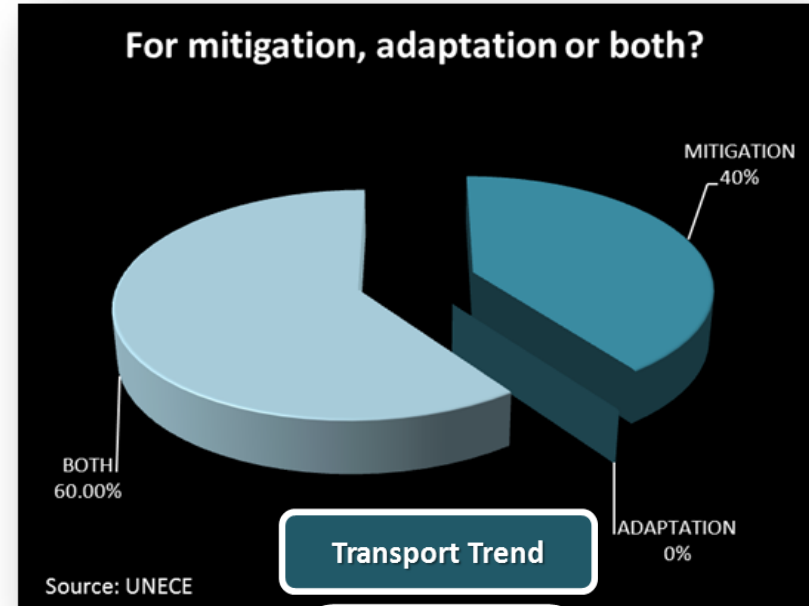
Do Governments take any measures for climate change?



Transport Trend

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?

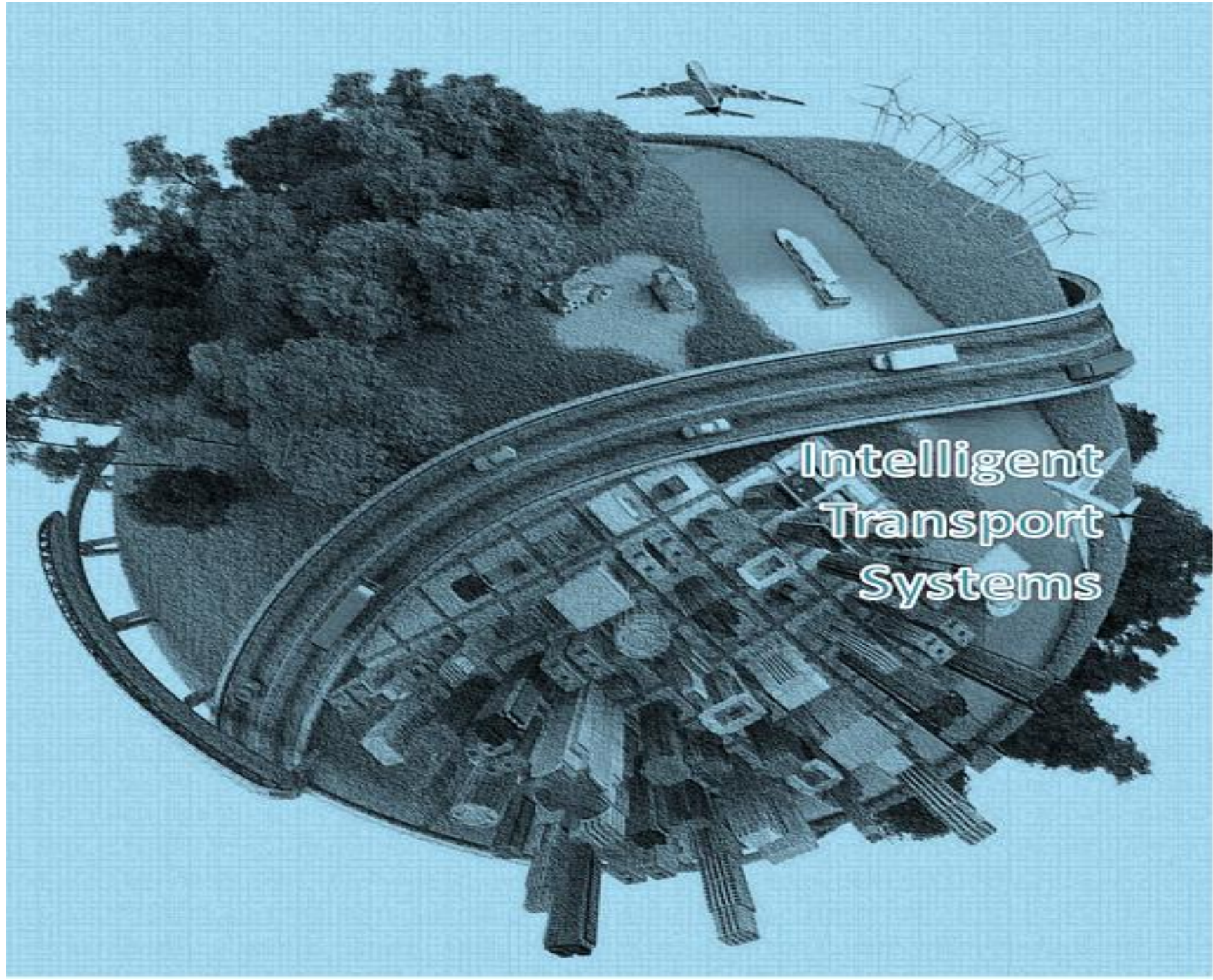


Transport Trend

The majority of UNECE member States that are taking measures for climate change (18 countries) they are doing so for both mitigation and adaptation

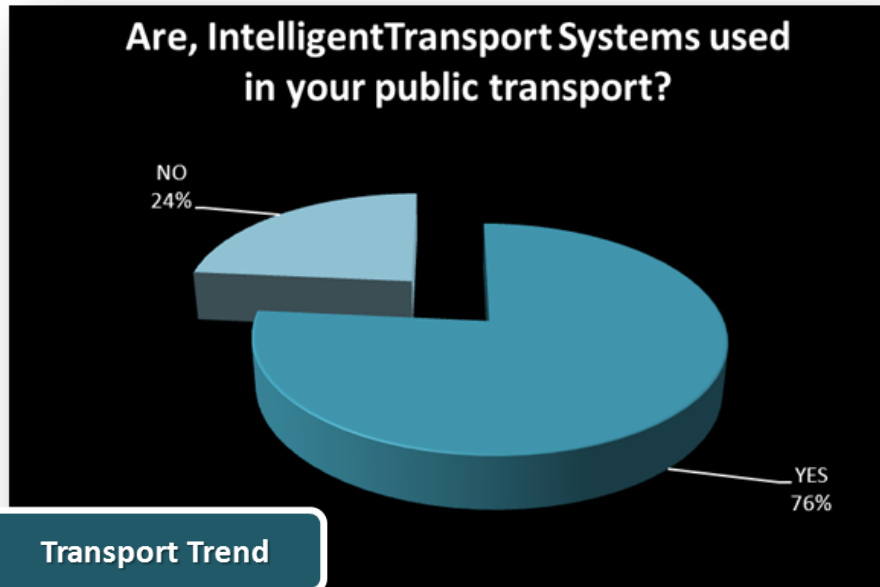


Intelligent Transport Systems



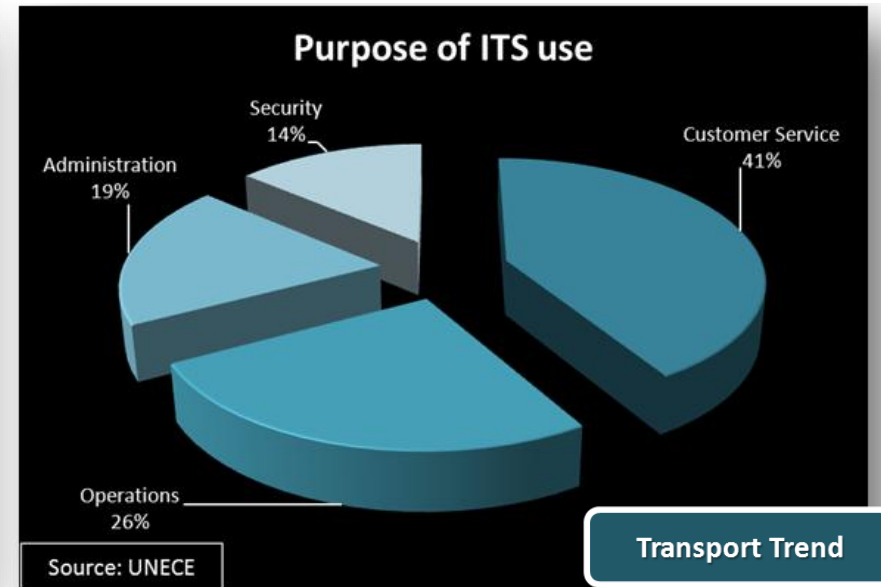


Do countries use Intelligent Transport Systems?



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

ITS purpose



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



David Banister

Professor of Transport Studies
University of Oxford



Alan Pearman

Professor of Management Decision Analysis,
University of Leeds



Martin Marmy

Secretary General
International Road Transport Union (IRU)



Stefan Roseanu

Secretary General
Romanian Railway Industry Association (AIF).



Andreas Bäck

Deputy Project Coordinator of PLATINA



Pr. Simeon Ananiev

President of Bulgarian Rail Carriers Association



Pr. Serban Raicu

Professor of Transport Systems
Polytechnic University of Bucharest



Libor Lochman

Community of European Railways and Infrastructure Companies (CER)
Executive Director



Pr. Dimitrios Tsamboulas

Professor
National Technical University of Athens



Dr Esmail Tekyeh Sadat

Director of Transport and Communication
ECO Secretariat



Dr Adolf K.Y. Ng

The Hong Kong Polytechnic University,



Martin Böhm

Head of Unit ITS Deployment at
AustriaTech GmbH