

Report on the 2019 activities of the Working Party on Transport Trends and Economics (WP.5)

82nd Annual Session of Inland transport Committee Geneva, 25-28 February 2020

INLAND TRANSPORT COMMITTEE

Piet de Wildt (Chair), Netherlands



WP.5 activities

- Climate Change Impacts and Adaptation for Transport Networks and Nodes
- Benchmarking Transport Infrastructure Construction Costs
- Progress in establishing ECE-led Transport Infrastructure Observatory
- THE PEP Pan-European Cycling Master Plan
- Transport Trends and Economics 2018-19: Mobility as a Service
- Support to countries in achieving the inland transport-related SDGs
- Operationalization of Euro-Asian Transport Links
- United Nations Development Account's project on developing a set of Sustainable Inland Transport Connectivity Indicators (SITCIN)
- A handbook on good practices and case studies in the field of sustainable transport and urban planning
- Other activities



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Climate Change Impacts and Adaptation for Transport Networks and Nodes

Climate Change Impacts and Adaptation for Transport Networks and Nodes





Output – report

Way forward – continuation of work: establishment of the Group of Experts on assessment of climate change impacts and adaptation for inland transport

Mandate and ToR (separate presentation)

Climate Change Impacts and Adaptation for Transport Networks and Nodes

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International Conference "Raising awareness on adaptation of transport infrastructure to climate change impacts"

Athens, Greece, on 18-19 November 2019

Organized with Hellenic Logistics Association with support from the Netherlands



Benchmarking Transport Infrastructure Construction Costs

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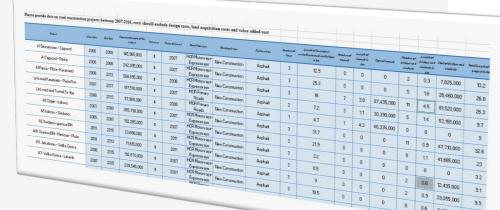
Mandate: ITC at its eighty-first session (February 2019) extended mandate of GE.4 until June 2020

Current work of the Group of Experts:

- Analysis of received information on models, methodologies, tools and good practices for evaluating, calculating and analysing inland transport Infrastructure costs
- b) Finalization of a list of terminologies used for costing inland transport Infrastructure
- c) Analysis of received data for benchmarking inland transport construction costs

Challenge: Limited inputs on (a) and (b) from UNECE member countries





Progress in establishing ECE-led Transport Infrastructure Observatory

- Continuous cross-sectoral effort
- The work of the "Groups of Experts on Climate Change Impacts and Adaptation for Transport Networks and Nodes" and on "Benchmarking of Construction Costs" feed data into the Observatory
- The GIS project with ECO and IsDB is reaching its concluding phase, final workshop will be held in Istanbul (May 2020) consolidating all data received
- ICT expert will turn data into GIS shapefiles to populate the Observatory and create detailed maps





THE PEP Pan-European Cycling Master Plan

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Delays in preparing the Plan

- Challenge faced:
 - Very little data and information obtained from countries through a dedicated questionnaire
 - Limited resources in the secretariat further delay collection of data and information through a desk study



Transport Trends and Economics 2018-19: Mobility as a Service



Explains the MaaS concept

 Discusses enablers: digital enablers, car-sharing, bike sharing

Enablers

 Discusses challenges:
 MaaS cost, risk revenue challenge, infrastructure challenge

Challenges

Conclusions and recommendations

Transport Trends and Economics 2018-19: Mobility as a Service

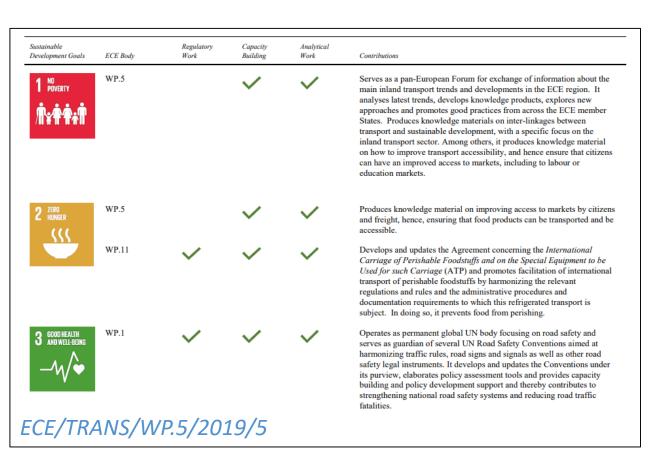
UNECE Inland Transport Committee **Transport Trends and Economics 2018–2019 Mobility as a Service**

Credit to:

- Dimitris Dimitriou (Prof Associate, Dr.) and Ms. Maria Sartzetaki (Dr.) (University of Thrace, Greece) parts of Chapter 1
- Athena Roumboutsos (Prof., Dr., Dipl. Eng.), together with Amalia Polydoropoulou (Prof., Dr., Dipl. Eng.), Ioanna Pagoni (Dr., Dipl. Eng.), and Athena Tsirimpa (Dr.) (University of the Aegean, Greece) parts of Chapters 1 and Chapter 5
- Stefanie Pichler (Fluidtime) parts of Chapter 1 and Chapter 2
- Juhi Verma and Dr Claire Gregory with the team of Department for Transport (Department for Transport, UK – Chapter 3
- Manuel Marsilio (CONEBI and WBIA) Chapter 4
- Andrzej Maciejewski Chapter 6

Support to countries in achieving the inland transport-related SDGs

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 Output prepared at the request of ITC (ECE/TRANS/288, para. 25)

 Provides an overview of UNECE, ITC and WPs activities assisting in achieving transport-related SDGs



Operationalization of Euro-Asian Transport Links

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Mandate from ITC: WP.5 to continue its work on the operationalization of Euro-Asian Transport Corridors and other transport corridors

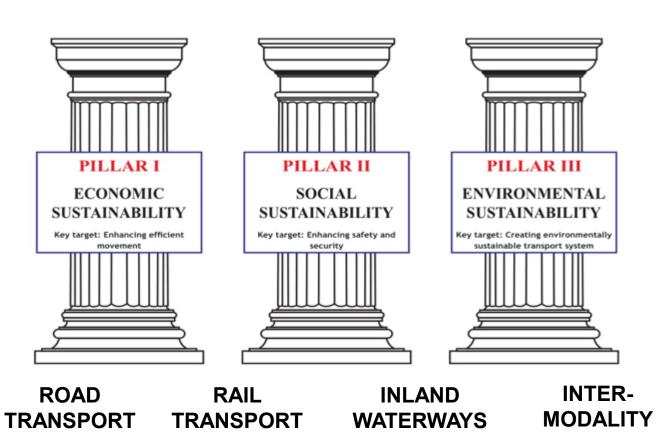
Operationalization meant as infrastructure connections and interoperability standards, efficient corridor management, harmonization and simplification of border-crossing formalities and administrative formalities, application of new technologies and digitalization

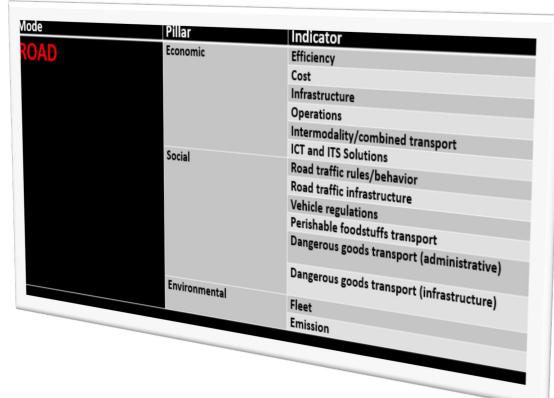
- UNECE-OSCE Workshop on Strengthening security and interoperability along Euro-Asian inland transport corridors (12-13 Dec. 2019, Tbilisi)
- WP.5 consulting other WPs (SC.1, SC.2, SC.3, WP.24) on how best to assist the work on enhancing operationalization –

Paper with collected ideas to be considered at 33rd WP.5 session in September 2020



SITCIN project







2019 UNECE Inland Transport Security Discussion Forum

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UNECE-OSCE Workshop on Strengthening Security on Inland Freight Routes(Geneva, 3-4 September 2019)

Gathered:

Participants from over **25 countries** across the **Euro-Asian region** (Ministries of Transport, Internal Affairs and law enforcement, railway companies, road and rail transport infrastructure operators and managers, customs and border management authorities etc.)

Agreed on:

- The need to strengthen international cooperation in developing inland transport sector specific cyber threat mitigation measures such as the example provided by the European Rail Information Sharing and Analysis Center (ER-ISAC)
- The need for inland transport security measures to be based on clear definitions and strong (national, regional and international) legal and administrative frameworks and processes.



2019 UNECE Inland Transport Security Discussion Forum

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Agreed on (continued):

- The need for high quality supply chain data that is authentic, complete, reliable and verifiable in order to feed increasingly digitalised/ automated transport and logistics networks
- The growing importance of **new technologies e.g. corridor-based tracking & tracing devices** and the use of AI/block chain and innovative ICT applications
- The important role of customs and border management authorities in managing risks along international transport and logistics chains
- The need to explore the feasibility of establishing a structured mechanism for the exchange of information on threats and risks on specific corridors

2020 UNECE Inland Transport Security Discussion Forum (scope, date and venue tbc)



A handbook on good practices and case studies in the field of sustainable transport and urban planning

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A Handbook on Sustainable Urban Mobility and Spatial Planning Promoting Active Mobility





- Assists member States in integrating transport, health, quality of life and environmental objectives into urban and spatial planning policies
- Provides many references to case studies, good practices and examples from cities across the Euro-Asian region (and beyond)
- Puts forward a methodology for sustainable urban transport planning and introduces a concise set of key messages and recommendations as an input to the Fifth High-level Meeting on Transport, Health and Environment (Nov. 2020)

2020 workshop theme

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 2020 workshop theme: Economic impact and cost of urban transport and planning policies

Aim: share experience, knowledge or research on methods to:
(a) calculate the costs to implement the 'avoid-shift-improve' concept and (b) to quantify the expected benefits from the 'avoid', 'shift' and 'improve' measures taken

Interests to speak at the workshop should be communicated to the WP.5 secretariat

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Other activities – Programme of work

- WP.5 agreed on its long-term programme of work (2020-2030) clusters of work aligning with the ITC Strategy while maintaining WP.5 focus
 - Development of transport networks and/or links
 - Transport and climate change
 - Sustainable urban mobility
 - Transport infrastructure data
 - Review and monitoring of emerging issues and sustainable development goals
 - Inland transport security
- WP.5 also agreed biennial 2020-21 programme of work specific activities and expected accomplishments under each cluster



Expected 2020-21 accomplishments (examples)

- Cluster 1: specific activities for corridor operationalization
- Cluster 2: new climate indices analyzed, data and information from national projects collected
- Cluster 3: model developed to assess urban mobility challenges, MaaS handbook
- Cluster 4: availability of observatory on GIS platform
- Cluster 5: trends monitored, increasing application of SITCIN
- Cluster 6: effective exchange of information





Thank you!