What can corridors bring: testimonials from the silk road
Roel Janssens - UNECE
Operationalization of Euro-Asian transport corridors

Mr. Roel Janssens, Secretary
Working Party on Transport Trends and Economics (WP.5)
Geneva – 14|02|2023
I. Global regulatory platform for inland transport

- Global Customs facilitation tool (TIR)
- World Forum for Harmonization of Vehicle Regulations (WP 29)
- International Carriage of Dangerous Goods by Inland Waterways (ADN)
- Carriage of Perishable Foodstuffs (ATP)
- International Carriage of Dangerous Goods by Road (ADR)
- Infrastructure Agreements for roads (AGR), Rail (AGC), Inland Water Transport (AGN), Intermodal Transport (AGTC)

- Convention on Road Traffic (CH)
- Convention on Road Signs and Signals

- Harmonization of Frontier Controls of Goods
- European Code for Inland Waterways
- Work of Crews of Vehicles engaged in International Road Transport / Digital Tachograph

Map of the world showing the distribution of agreements and regulations.
II. Euro-Asian transport operationalization
III. EATL rail and road corridors connecting Europe and Asia
IV. Euro-Asian rail freight connectivity – progress over 15 years

- Transport time reduced from 36 days, and more in 2006, to 16 days, and less, today.
- Service frequency increasing: in 2018 1,470 direct freight services from China to Europe and 730 services Eastbound.
- Rail freight shipping increased by 50% in 2020 compared to 2019 and climbed 700% since 2016.
- > 60 Chinese cities are connected with >50 European cities across >15 countries.
- Average cost of a 40 ft container drastically dropped (pre-COVID-19).
- Further expansion of rail share expected.
V. Euro-Asian rail freight connectivity – capacity constraints

<table>
<thead>
<tr>
<th>Vehicle</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semi-trailer truck</td>
<td>2.65 TEU</td>
</tr>
<tr>
<td>747-400F</td>
<td>4-5 – 6.625 TEU</td>
</tr>
<tr>
<td>41 car intermodal train</td>
<td>82 TEU</td>
</tr>
<tr>
<td>Panamax</td>
<td>3,000 – 3,400 TEU</td>
</tr>
<tr>
<td>Post Panamax/Panamax Plus</td>
<td>4,000 – 8,000 TEU</td>
</tr>
<tr>
<td>New Panamax - Triple E</td>
<td>12,500 – 18,000 TEU</td>
</tr>
</tbody>
</table>

Increased ocean shipping rates and container shortages lead to a further increase of rail freight movements

Opportunity for the Trans-Caspian and Almaty-Istanbul Corridors
VII. Request for UNECE support

- Ongoing efforts to develop and pilot an EATL Route 3 Corridor Coordination/Management Mechanism (CCMM) and a Corridor Performance Review (COPR) Mechanism

Priorities:
- Digitalization of transport documents
- Transport infrastructure development
- Resilience and economic viability

Progress report submitted to the 35th WP.5 session in September 2022

ECE/TRANS/WP.5/2022/1
VIII. Establishment of a Corridor Coordination and Management Committee on the Trans-Caspian route under UNECE auspices

- **Transit time**: ideal scenario **10 days**, in reality between **22-24 days** vs **12-20 days** on the NCs

- **Average speed**: 25 Km/h

- **Throughput**: 75,000 TEU vs 1.6-2 million TEU on NCs

**Frequency of services**: 1-4 vs 41.6 departures per day on NCs
IX. Financing transport infrastructure development
Visualizing transport networks in a GIS environment

What is it about?

- A GIS platform hosting data on transport infrastructure networks and nodes across different modes including road, rail, IWW, ports, airports, intermodal terminals, logistics centers and BCPs
- Operates as a virtual marketplace for financing transport infrastructure by providing an electronic interface between MDBs and Governments
- Promotes regional and inter-regional cooperation between and among transport infrastructure initiatives

Visit us ITIO-GIS.org
Become a test user
The International Transport Infrastructure Observatory is an initiative of UNECE Sustainable Transport and Islamic Development Bank. It is a multi-stakeholder, web-based GIS platform which hosts data on a large variety of transport infrastructure networks and nodes across different modes including road, rail, inland waterways, ports, airports, intermodal terminals, logistics centers and border crossing points.
Thank you!

Mr. Roel Janssens  
Secretary, Working Party on Transport Trends and Economics  
UNECE Sustainable Transport Division  
Email: roel.janssens@un.org