

Rail-Road Asia-Europe Transport Links: Technical Issues

Connectivity in EU's Wider Eastern Neighbourhood



Yury A. SHCHERBANIN

Prof., D.Sc.

**Head of Laboratory Transport - Logistics System Analyses and Forecasting,
Institute of Economic Forecasting, Russian Academy of Sciences, Moscow**

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International Trade (mio t)

EU - China	2010	2015	2017	2018 (1-9)
EU export	31,9	44,59	51,613	34,172
- Sea				
- Rail	0,195	0,217	0,562	0,461
- Road	0,7	0,72	0,734	0,46
EU import	52,25	57,76	54,105	43,737
- Sea				
- Rail	0,377	0,46	0,816	0,723
- Road	2,3	2,5	2,934	2,344
EU-Japan	6,368	8,024	7,718	5,814
EU export				
- Sea				
- Rail	0,15	0,093	0,059	0,0267
- Road	0,191	0,213	0,22	0,167
EU import	4,151	3,817	4,53	3,693
- Sea				
- Rail	0,04	0,044	0,051	0,038
- Road	0,413	0,6	0,528	0,394

International Trade (mio t)

EU – R.Korea	2010	2015	2017	2018 (1-9)
EU export	5,23	13,577	12,863	8,829
- Sea				
- Rail	0,021	0,047	0,043	0,012
- Road	0,131	0,171	0,164	0,105
EU import	5,367	9,947	11,494	8,499
- Sea				
- Rail	0,07	0,219	0,228	0,162
- Road	0,721	0,516	0,489	0,372
%LAND → SEA (100%)				
EU-CHINA	2,8(E);5,1(I)	2(E);5,1(I)	2,5(E);6,8(I)	2,6(E);6,9(I)
EU-JAPAN	5(E);10,8(I)	3,7(E);16,7 I	3,6(E);12,5 I	3,1(E);11,3 I
EU- R.KOREA	2,9(E) 14,7(I)	1,5(E) 7,3(I)	1,5(E) 6(I)	1,2(E) 6,2(I)

Source: Eurostat <http://appsso.eurostat.ec.europa.eu/nui/submitViewTableAction.do>

Seaborne Trade and Cargo Flows: Current Situation

Liner shipping services providing regularly scheduled service:

Asia - North Europe – 20

Asia – Mediterranean - 29

Trade Routes (TEU shipped) 2017

Route	West Bound	East Bound	Total
Asia-North Europe	9,924,000	5,139,000	15,063,000
Asia-Mediterranean	5,504,000	2,409,000	7,913,000

Source: Drewry Container Forecaster Q1 & Q2 2018

**Total WB full containers minus EB full containers =
7,150,000 TEU.**

Revers Logistics ?

Seaborne Trade and Cargo Flows: Current Situation

28 container ships more than **20 000 TEU** on the board and **8** of them – more than **21 000 TEU**.

In 2018-2019 period 11 containerships - 20388 TEU capacity and 6 - 21237 TEU each will operate;

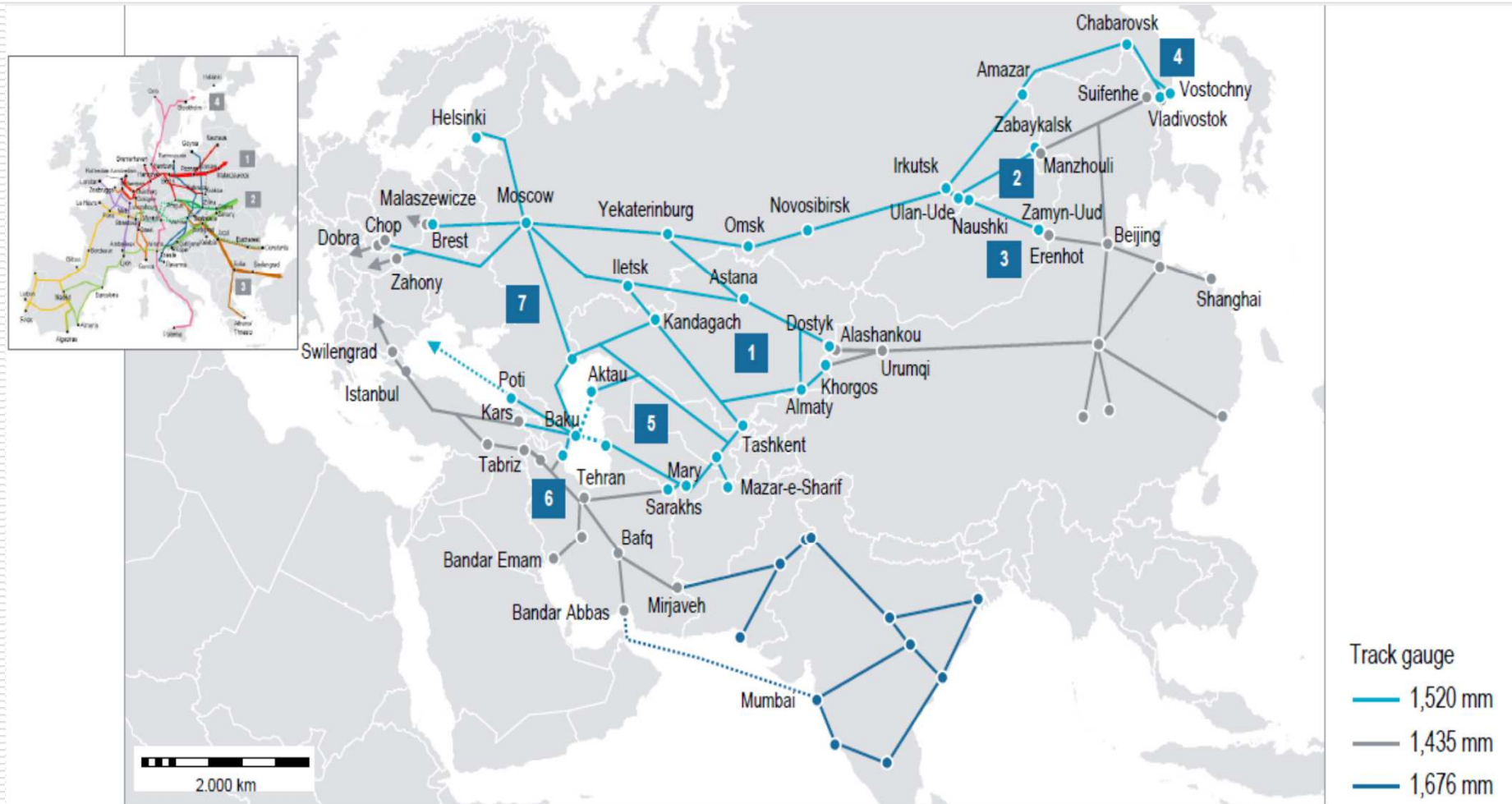
2019 – 9 ships - 22000 TEU;

2019 – 11 ships – 23000 TEU;

2020 – 12 ships – 23000 TEU.

Scale Economy!

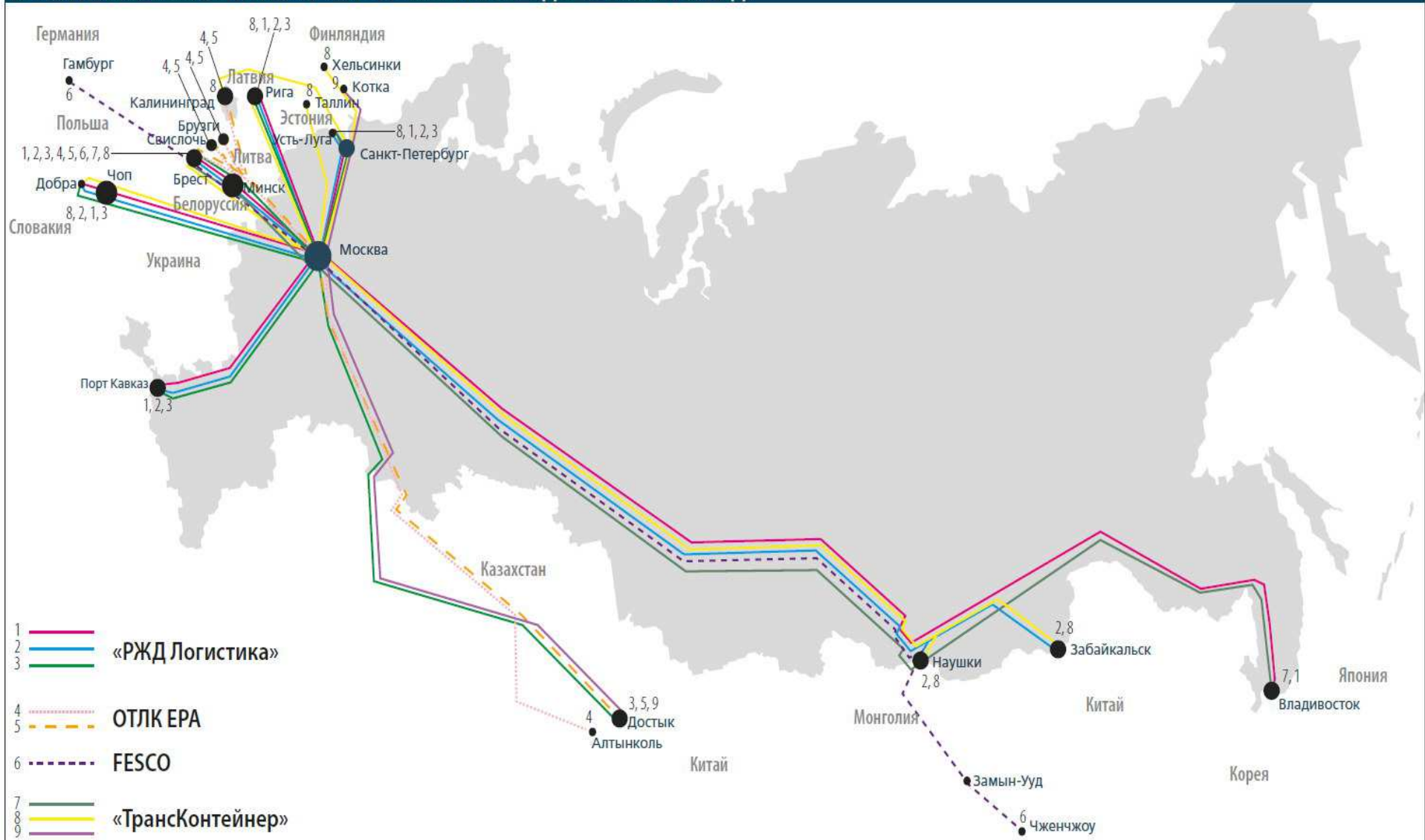
Main Euroasian Rail Routes With Track Gauge



Source: UIC, Euroasian Corridors Stakeholders Group, Paris, 22 November 2017

Transit of Container Trains - "East - West" Transport Corridors

СХЕМА ТРАНЗИТНЫХ КОНТЕЙНЕРНЫХ ПЕРЕВОЗОК ПО КОРИДОРУ «ВОСТОК-ЗАПАД»



Source: "Gudok", 7 November 2018, N 199

Particularities

- 1. Length of train**
 - 2. Capacity of the transshipment stations**
 - 3. Track Gauge**
 - 4. Speed**
 - 5. CIM/SMGS/COTIF**
 - 6. Axle loading**
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Thank you!
