

# Euro-Asian Inland Transport Communications: Capacity, Potential, Risks

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## Development of Transport and Infrastructure in Eurasia

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# Short History

There were many different initiatives to form a kind of EA space as “Europe from Lisbon to Vladivostok” and many others.

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Transport has to connect people and to move different cargo.



# Short History

1998, 2000, 2003 – International Euro-Asian Transport Conferences (S.- Petersburg) with participation of 33-38 Transport ministers from Europe, Asia and America plus vice-prime ministers from 4-8 countries and UN EEC and UN ESCAP decided the future of Euro-Asian transport links. They proposed five transport corridors Europe-Asia:

1. **North Sea Route**
2. **Trans Siberian Railway**
3. **TRACECA**
4. **South Routes (two) – Europe-Turkey-China-Korea and Europe-Turkey-India-Vietnam**
5. **North-South Transport Corridor**

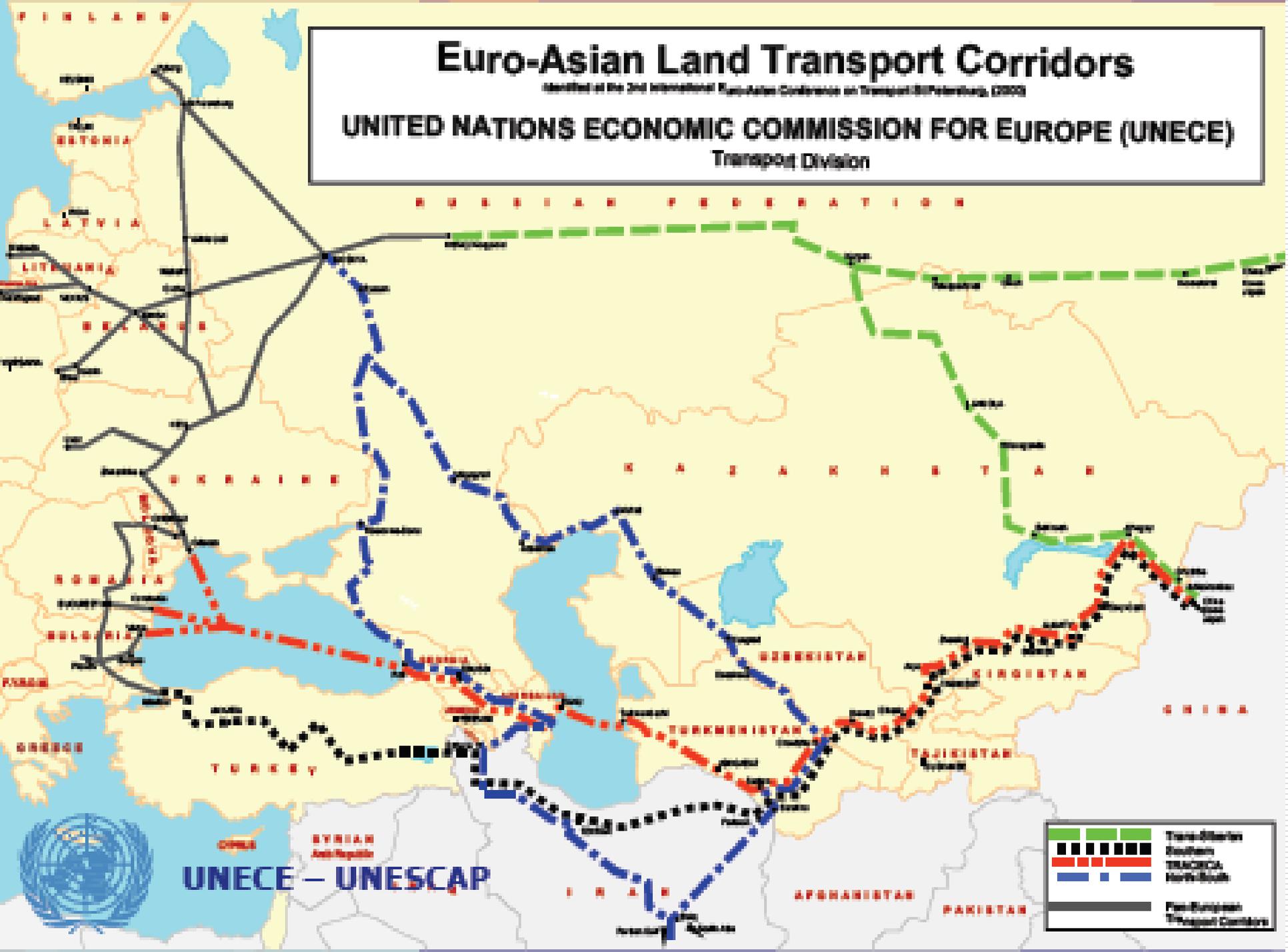


# Euro-Asian Land Transport Corridors

Identified at the 2nd International Euro-Asian Conference on Transport (St. Petersburg, 2002)

UNITED NATIONS ECONOMIC COMMISSION FOR EUROPE (UNECE)

Transport Division







# Reality

- Only Trans Siberian is 100% full.

Other routes are not used completely because of different reasons.

Main cargo flow is maritime:

2014

Europe-Asia – 6,952 mio TEU

Asia-Europe - 15,396 mio TEU, incl.

China-Europe – 10,697 mio TEU

R. Korea-Europe – 1,140 mio TEU

From Vietnam – 0,642 mio, Thailand – 0,580,

Taiwan – 0,395, Malaysia – 0,358 mio TEU

etc.

“Mary Maersk Shipping Cargo” –  
capacity – 19200 TEU = 192 trains with  
20 foot containers

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# Reality

2013

Kazakhstan - 0,27 mio TEU total

Transit via Kazakhstan (Europe-Asia) - 5630

~~TEU (or 0,00563 mio TEU) !!! Silk Road !?~~

- Sea route via Suez - 14,6 mio TEU.

## Speed, tariffs

Sea: 23 nods - cca.40 km/h, USD 1109 per TEU (Shanghai-NWE); 1 ton - USD 0,20 per mile

Rail: 41-41,5 km/h

Road: 1 ton - USD 1,80 per mile.

# Difficulties Inland Transport

## RAIL:

Gauges - Europe 3 types (1435 mm, 1524 mm, 1668 mm)

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Russia - 1520 mm

China - 1435 mm, 1520 mm

Mongolia - 1520 mm

India - 1676 mm.



## ROAD:

Border points capacity



# Cargo Export EU – EAEU in 2013-2014, all modes of transport, '000 t

<b>Modes of Transport</b>	<b>2013</b>	<b>2014</b>
<b>TOTAL</b>	<b>31096</b>	<b>27978</b>
<b>- Maritime</b>	<b>8502</b>	<b>7432</b>
<b>- Rail</b>	<b>3422</b>	<b>2820</b>
<b>- Road</b>	<b>19172</b>	<b>17726</b>

# Cargo Import EU – EAEU in 2013-2014, all modes of transport, '000 t

<b>Modes of Transport</b>	<b>2013</b>	<b>2014</b>
<b>TOTAL</b>	<b>262410</b>	<b>257050</b>
<b>- Maritime</b>	<b>229136</b>	<b>220438</b>
<b>- Rail</b>	<b>23823</b>	<b>26218</b>
<b>- Road</b>	<b>9451</b>	<b>10394</b>

# EU Cargo Export to RB,RF,RK in 2013-2014, road transport, '000 t

<b>Road Transport</b>	<b>2013</b>	<b>2014</b>
<b>TOTAL</b>	<b>19172</b>	<b>17726</b>
<b>REPUBLIC OF BIELORUSSIA</b>	<b>2417</b>	<b>2733</b>
<b>RUSSIAN FEDERATION</b>	<b>16214</b>	<b>14443</b>
<b>REPUBLIC OF KAZAKHSTAN</b>	<b>541</b>	<b>550</b>

# EU Cargo Import from RB, RF, RK in 2013-2014, road transport, '000 t

<b>Road Transport</b>	<b>2013</b>	<b>2014</b>
<b>TOTAL</b>	<b>9451</b>	<b>10394</b>
<b>REPUBLIC OF BIELORUSSIA</b>	<b>1916</b>	<b>2329</b>
<b>RUSSIAN FEDERATION</b>	<b>7415</b>	<b>7920</b>
<b>REPUBLIC OF KAZAKHSTAN</b>	<b>120</b>	<b>145</b>

Current situation with cargo road transportation 3m 2015, tons:

From EU to Russia:

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In total 97 cargo positions were recorded.

Increased – 10 positions

Decreased – 87 positions

Main three positions delivered:

- PLASTICS AND ARTICLES – 243105 t - 8,39%
- NUCLEAR REACTORS, BOILERS, MACHINERY -215310 t - 29,46%
- PAPER AND PAPERBOARD; ARTICLES OF PAPER PULP etc. - 177383 t - 24,75%.

Current situation with cargo road transportation 3m 2015, tons:  
From EU to Russia:

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Main positions increased:

- WOOD AND ARTICLES OF WOOD -  
90788 t + 21,27%
  - ORGANIC CHEMICALS  
- 62695 t + 2,36%
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Current situation with cargo road transportation 3m 2015, tons:

From EU to Russia:

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Main positions decreased:

- PLASTICS AND ARTICLES - 243105 t - 8,39%
  - NUCLEAR REACTORS, BOILERS, MACHINERY AND MECHANICAL APPLIANCES - 215310 t - 29,46%
  - PAPER AND ARTICLES - 177383 t - 24,75%
  - VEHICLES OTHER THAN RAILWAY - 93900 t - 50,37%
  - ELECTRICAL MACHINERY AND EQUIPMENT, TELEVISION etc.- 69083 t - 25,77%
  - BEVERAGES, SPIRITS - 62943 t - 36,61%
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Current situation with cargo road transportation 3m 2015, tons:

From EU to Russia:

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Main positions decreased:

- FRUIT, NUTS, CITRUS FRUITS, MELONS - 45467 t - 88,24%
  - VEGETABLES - 39100 t - 83,36%
  - PREPARATIONS OF CEREALS, FLOUR, PASTRYCOOKS' PRODUCTS - 35586 t - 29,81%
  - DAIRY PRODUCTS, EGGS, HONEY ETC. - 11697 t - 88,21%
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# Current situation with cargo road transportation 3m 2015, tons: From Russia to EU :

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In total 89 cargo positions were recorded.

Increased – 53 positions

Decreased – 36 positions

## **Main positions delivered:**

- WOOD AND ARTICLES - 875593 t +4,49%
  - MINERAL FUELS - 261055 t -6,33%
  - IRON AND STEEL - 171910 t -23,42%
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Current situation with cargo road transportation 3m 2015, tons:

From Russia to EU :

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## Main positions increased:

- WOOD AND ARTICLES– 87767 t + 2,79%
  - ALUMINIUM AND ARTICLES - 65580 t +5,44%
  - PLASTICS AND ARTICLES – 49335 t - 67,99%
  - AS share - OIL SEEDS + 215,55%,  
FERTILISERS - + 136,7%
  - SOAP, ORGANIC SURFACE-ACTIVE AGENTS - +81,02% etc.
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Current situation with cargo road transportation 3m 2015, tons:  
From Russia to EU :

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## Main positions decreased:

INORGANIC CHEMICALS, RARE METALS,  
RADIOACTIVE ELEMENTS, ISOTOPES -  
23,42%,

COPPER – 28,37%

PULP OF WOOD – 38,37%

CEREALS – 62,13%

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Current situation with cargo road transportation 3m 2015, tons:

From EU to BIELORUSSIA:

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In total cargo positions:

Increased – 18 positions

Decreased – 69 positions

Same – 2 positions

**Main positions delivered:**

FRUITS, NUTS, CITRUS, MELONS – 394027 t  
+ 155,97%

VEGETABLES - 119809 t + 197,11%

PLASTICS AND ARTICLES – 36172 t -  
34,16%

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Current situation with cargo road transportation 3m 2015, tons:

From EU to BIELORUSSIA:

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## Main positions increased:

DAIRY PRODUCTS, EGGS, HONEY; ETC. – 3759 t + 523,38%

VEGETABLES - 119809 t + 197,11%

FRUITS, NUTS, CITRUS, MELONS – 394027 t + 155,97%

FISH, MOLLUSCS ETC. - 5834 t + 33,56%

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Current situation with cargo road transportation 3m 2015, tons:

From EU to BIELORUSSIA:

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Main positions decreased:

VEHICLES OTHER THAN RAILWAY - 9565 t -  
56,43%

NUCLEAR REACTORS, MACHINERY ETC.  
18519 t -56,09%

ARTICLES OF IRON OR STEEL - 9189 t -  
41,50%

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Current situation with cargo road  
transportation 3m 2015, tons:  
From BIELORUSSIA to EU :

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In total cargo positions:

Increased – 48 positions

Decreased – 37 positions

**Main positions delivered:**

WOOD AND ARTICLES - 975593 t 4,49%

MINERAL FUELS - 261055 t -6,33%

IRON AND STEEL - 171910 t -23,42%

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Current situation with cargo road  
transportation 3m 2015, tons:  
From BIELORUSSIA to EU :

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## Main positions increased:

PLASTICS AND ARTICLES - 49335 t +67,99%

OIL SEEDS - 16153 t +215,55%

FERTILISERS - 12041 t + 136,7%

VEGETABLE - 30994 t +61,1%

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Current situation with cargo road  
transportation 3m 2015, tons:  
From BIELORUSSIA to EU :

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## Main positions decreased:

IRON AND STEEL	- 171910 t	-23,42%
INORGANIC CHEMICALS, PRECIOUS AND RARE-EARTH METALS, RADIOACTIVE ELEMENTS, ISOTOPES	- 88941 t	- 15,10%
CHEMICAL PRODUCTS	- 8286 t	- 25,75%
PULP OF WOOD ,CELLULOSIC MATERIAL-	6543 t	- 38,37%

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# Euro-Asian Inland Transport Communications: Potential

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Last period of time the maxim volume of cargo transported EU – EAEU (RB,RF,RK) was 30-35 million tones, including transit via Ukraine.

Road transport cargo:

R. Bielorussia – North-West and South Europe

Russian Federation – all directions

R.Kazakhstan – South Europe

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# Euro-Asian Inland Transport Communications: Risks

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**Could be under the influence of:**

**General economic** factors as economic cycle; supply/demand; inflation. **Concrete economic** factors as taxes; expenses; level of profit. **Specific** factors as seasonal; guaranties and service conditions; exploitation expenses. **Special** factors as government regulations; currency rate exchange. **Non-economic** factors as political; military; ethnic.

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# THANK YOU !

