Transport and Logistics – Problems and
Opportunities

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Transport and Logistics Development:

EU-RUSSIA Context

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Co-operation and Development

Joint OECD/ECMT **Transport Research** Centre

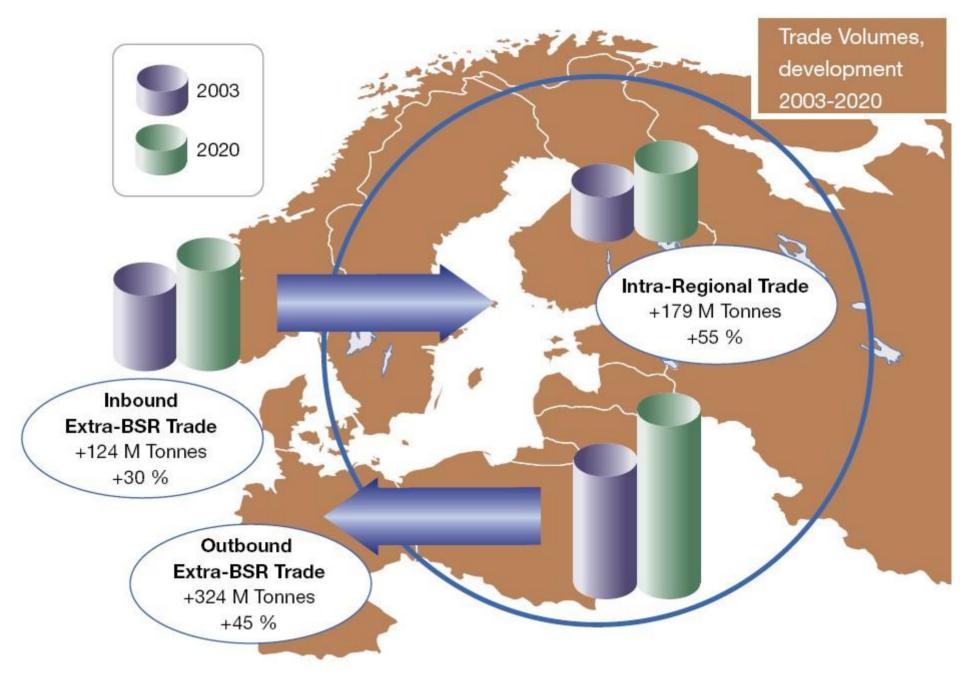


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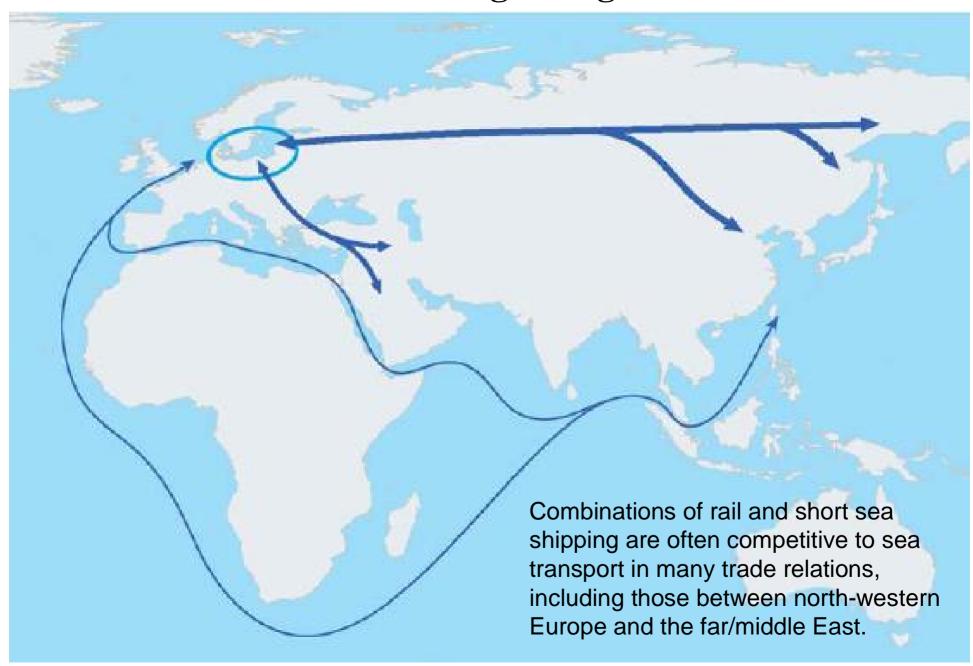


Baltic Maritime Outlook 2006



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The Baltic Sea is a global growth area



NETWORKS FOR PEACE AND DEVELOPMENT

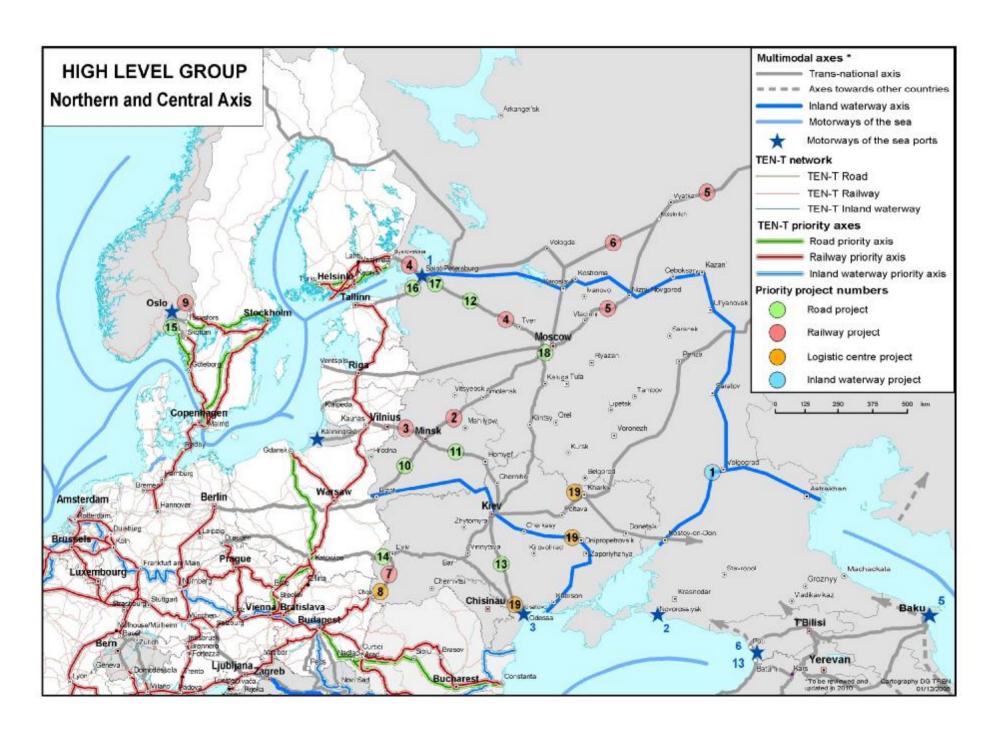
Extension of the major trans-European transport axes to the neighbouring countries and regions

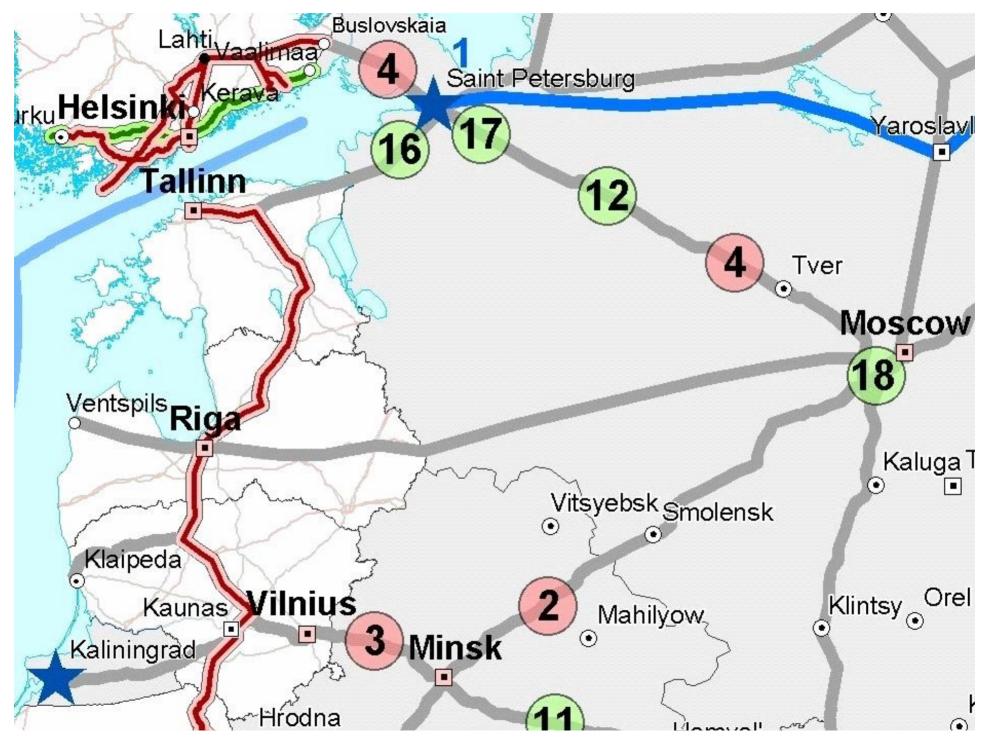


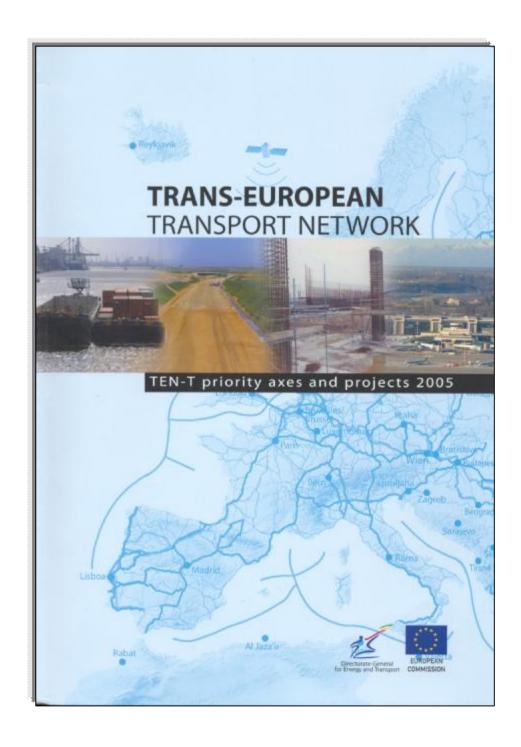
Report from the High Level Group chaired by Loyola de Palacio

November 2005



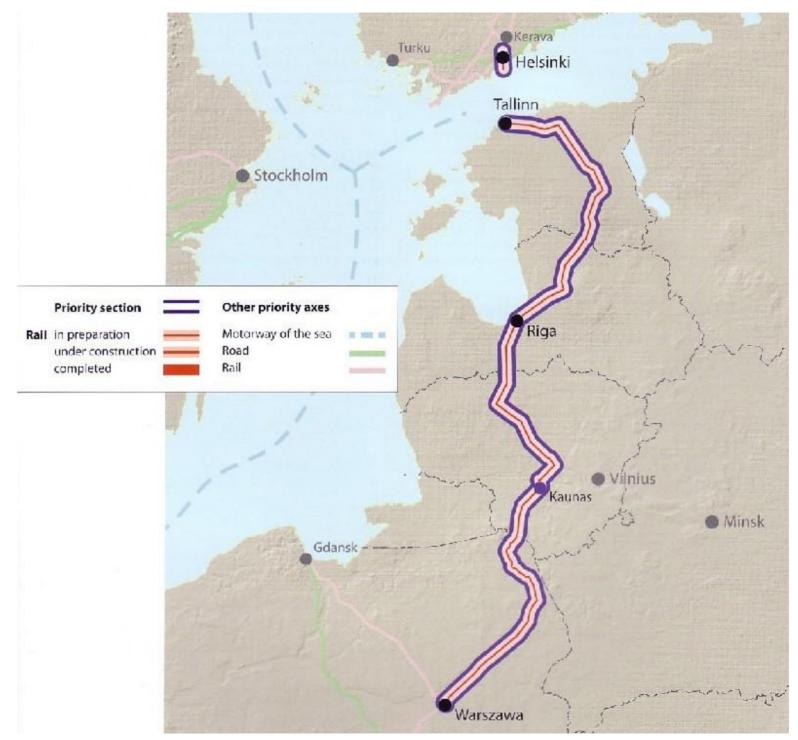




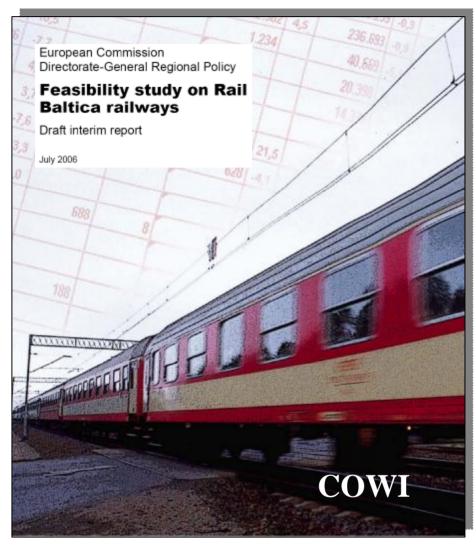


Baltic Sea motorway





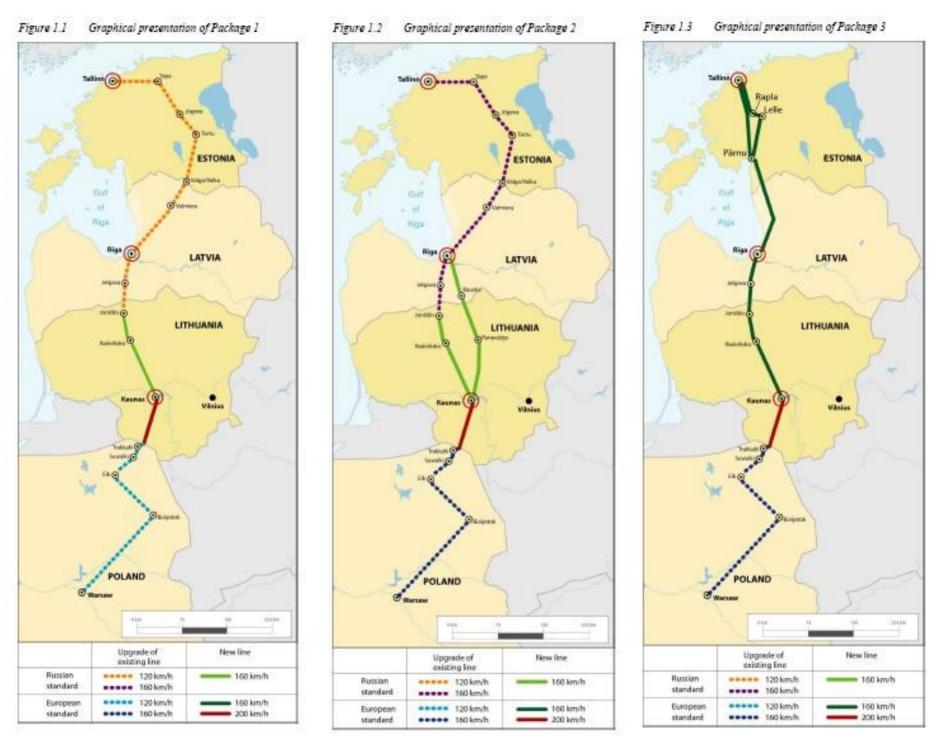
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	Upgrade of existing line	New line
Russian standard	120 km/h 160 km/h	160 km/h
European standard	120 km/h	200 km/h



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RailBaltica - Alignment options from Tallinn to Riga (draft)



- Feasibility Study ongoing
- Interim Report end of July (alignment possibilities)
- Final Report –
 December 2006
- Further detailed EIA and technical analyses;
 Pre-design; Detailed design



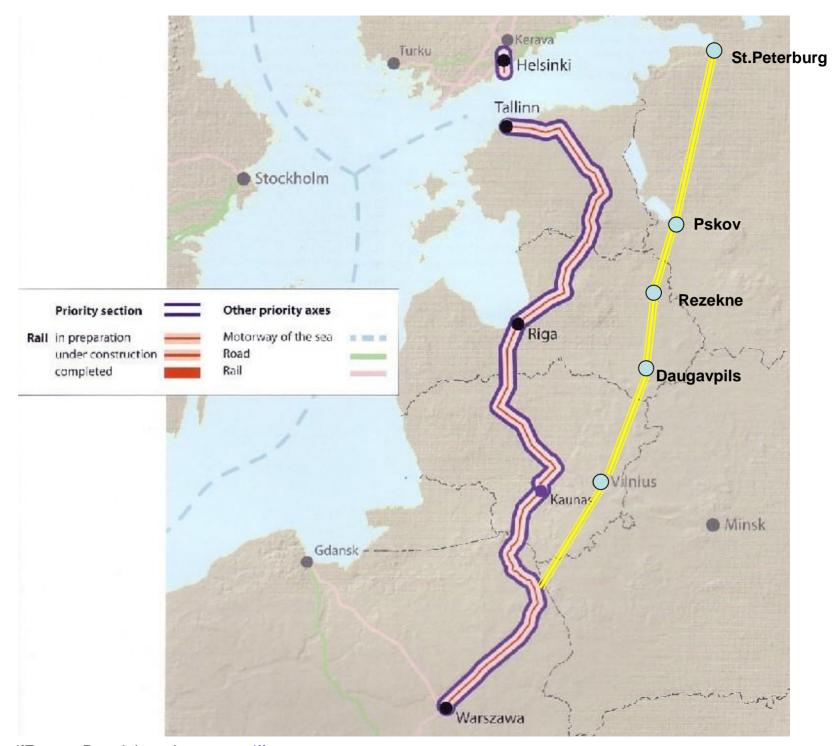
Developing plan of the Russian Harbours -



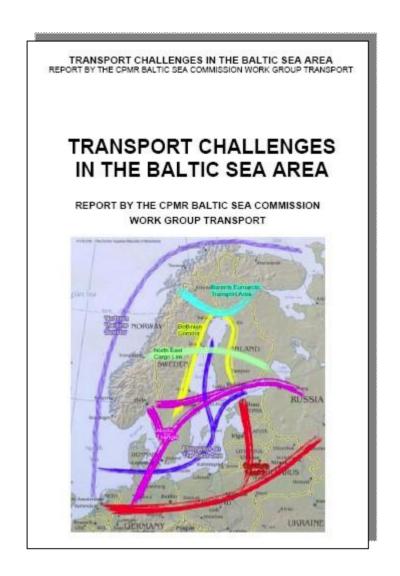


St. Petersburg dimension

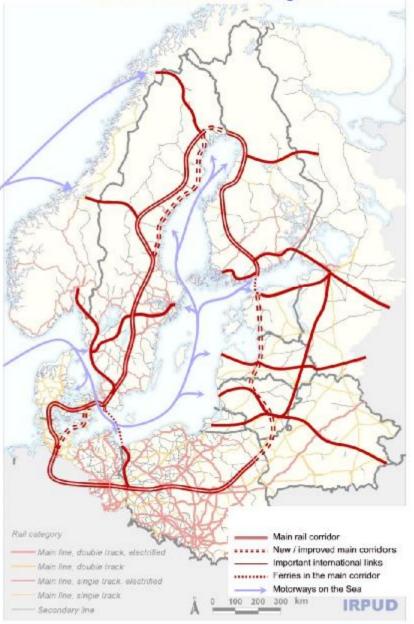




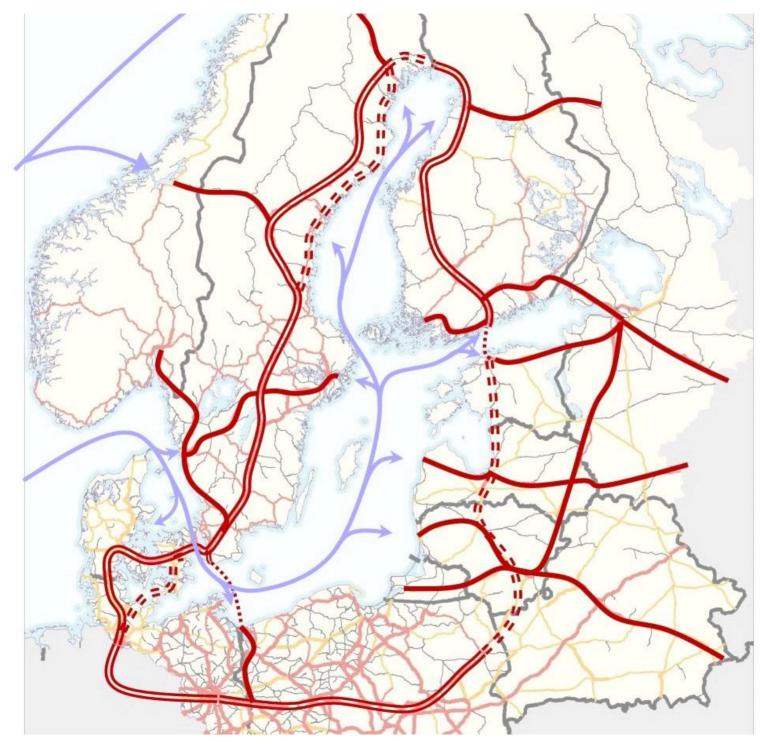
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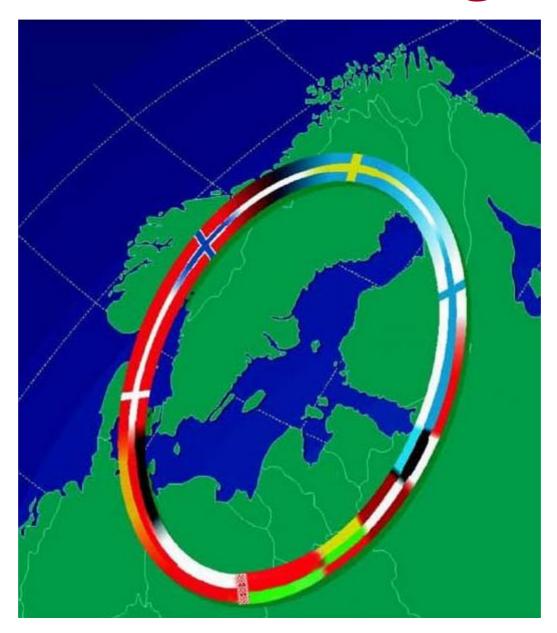


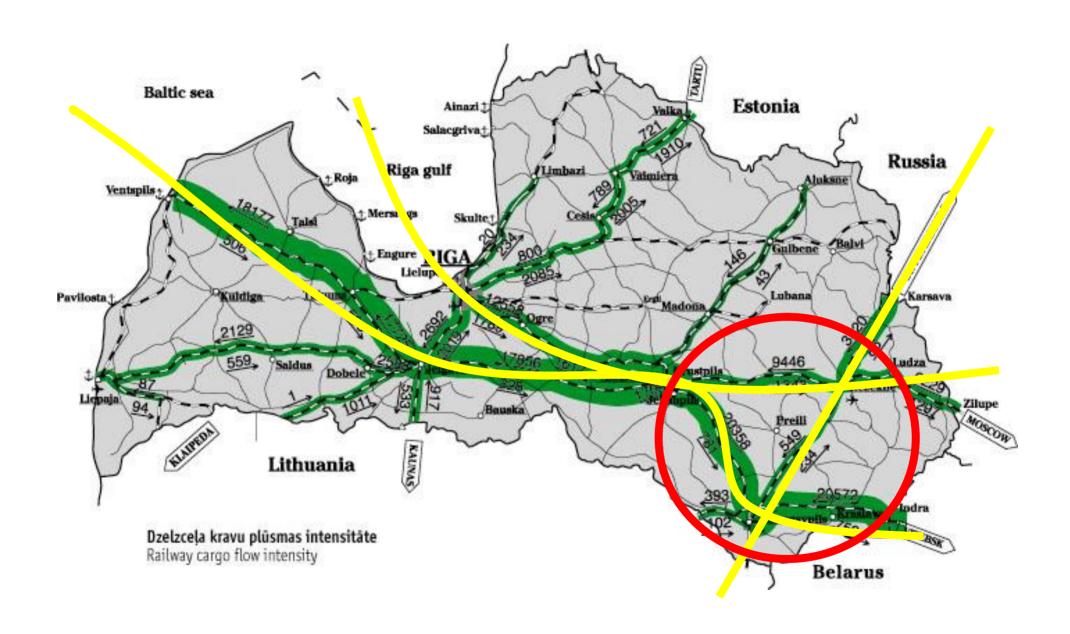
Source: IRPUD (2000)



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The Baltic Ring

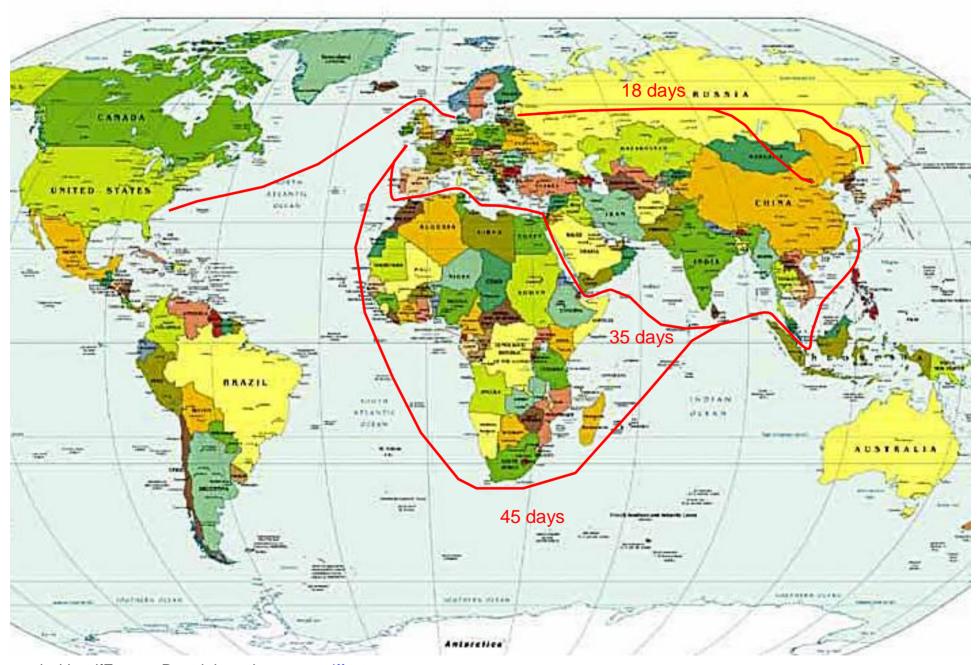




Latvia possibilities for providing logistics services and distribution warehouses



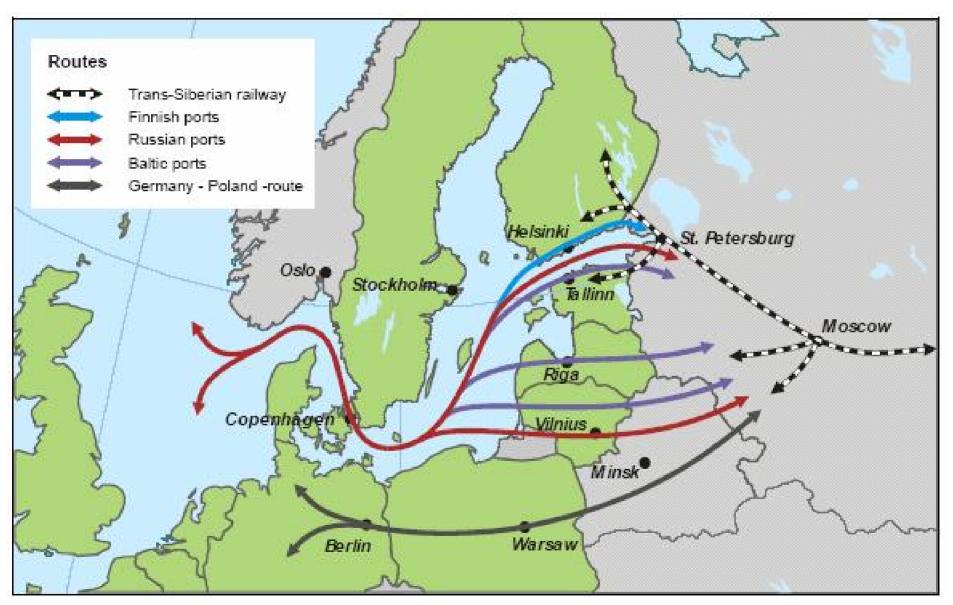
Comparison of major EU-Asia traffic routes



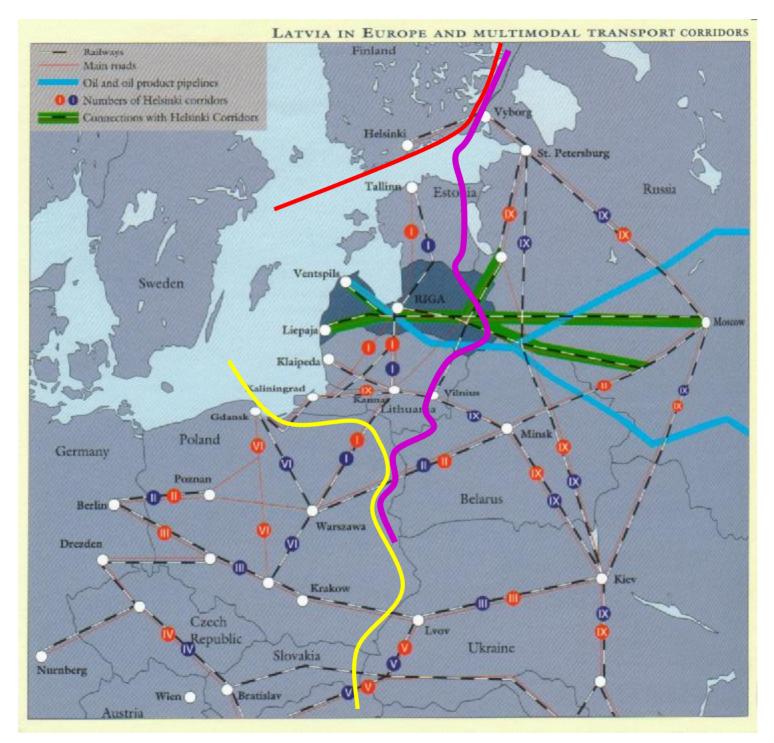
Trans-Siberian Railway



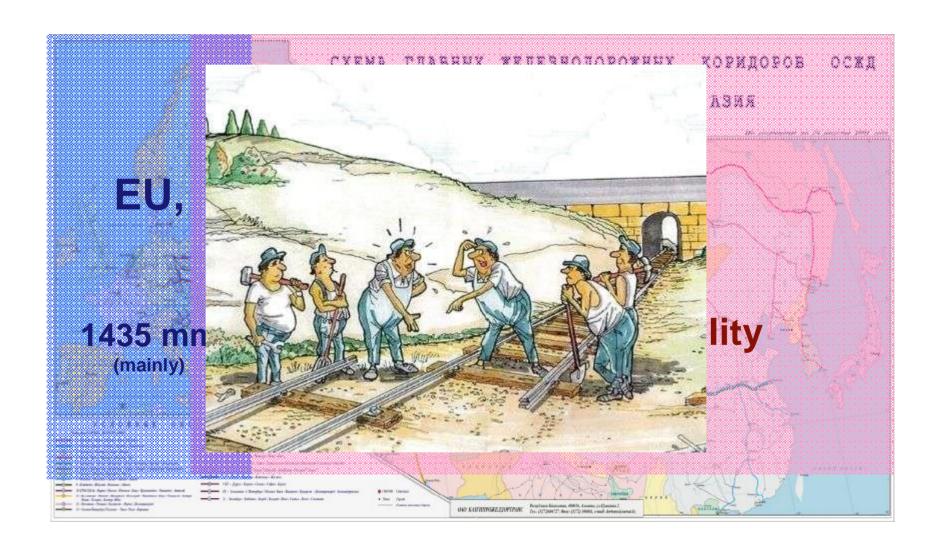
Main transport routes between EU and Russia

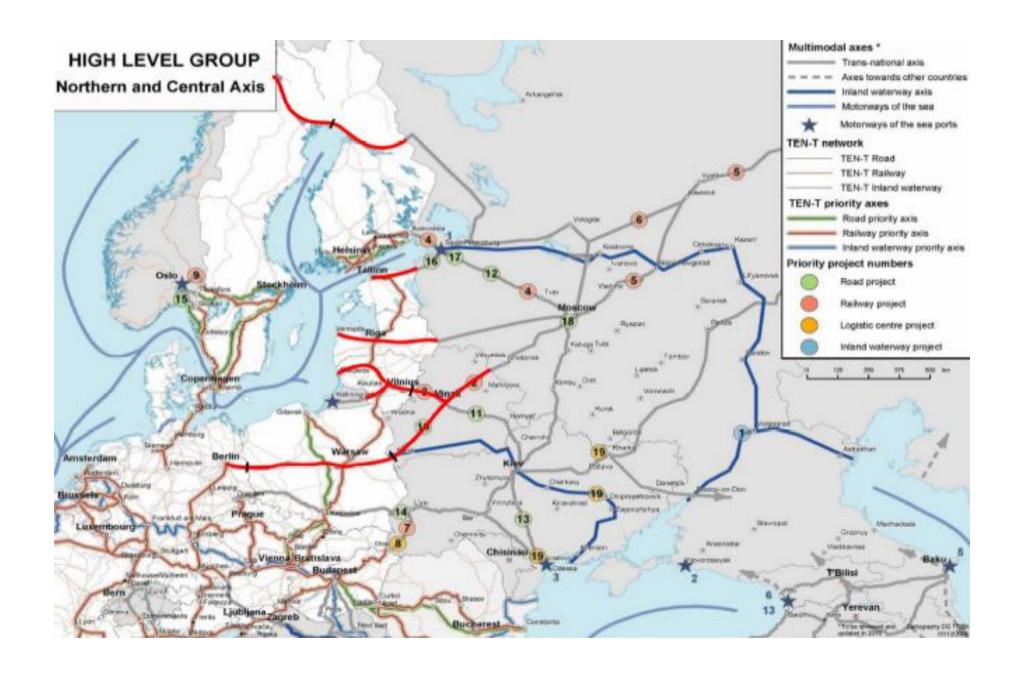


Source: Transport connections between EU and Russia. Ministry of Transport and Communications Finland, Helsinki 2005



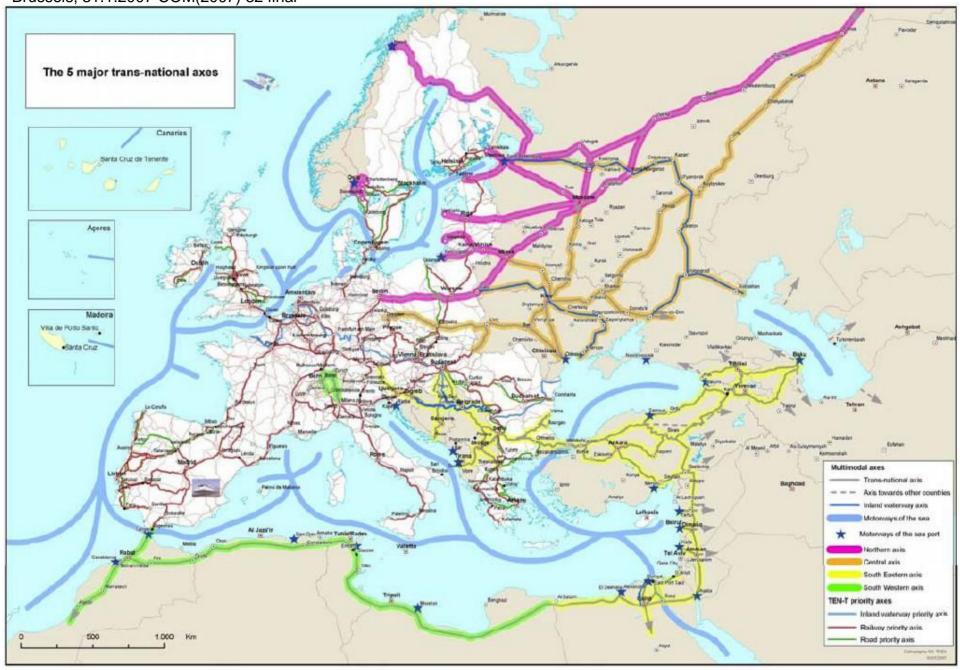
Latvia – on the border of two systems

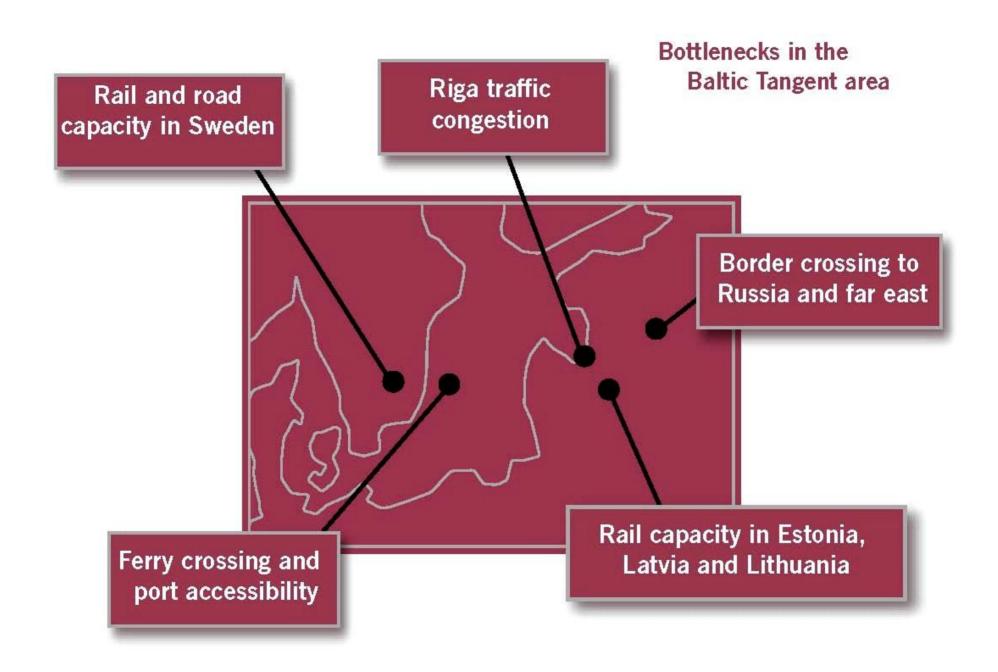




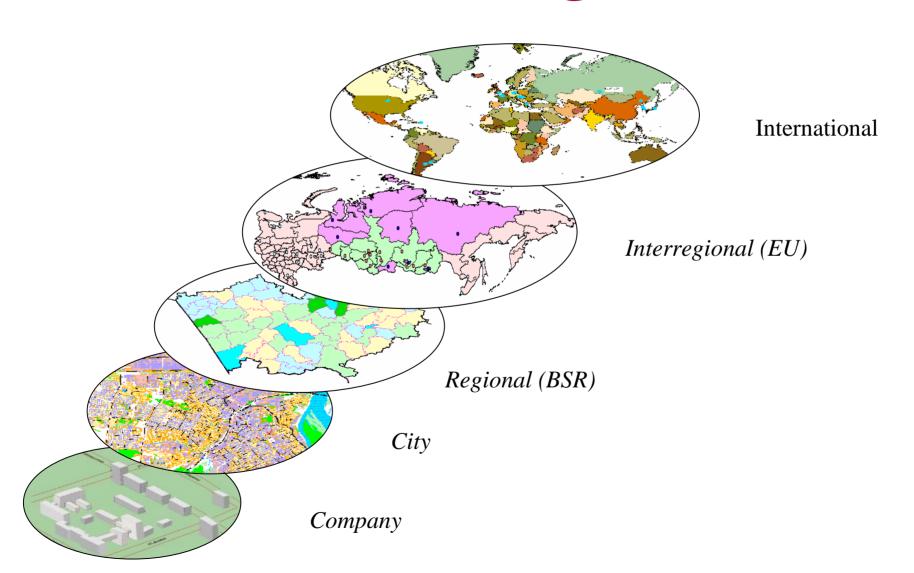
Extension of the major trans-European transport axes to the neighbouring countries

Brussels, 31.1.2007 COM(2007) 32 final





Levels of Logistics and Supply Chain Management

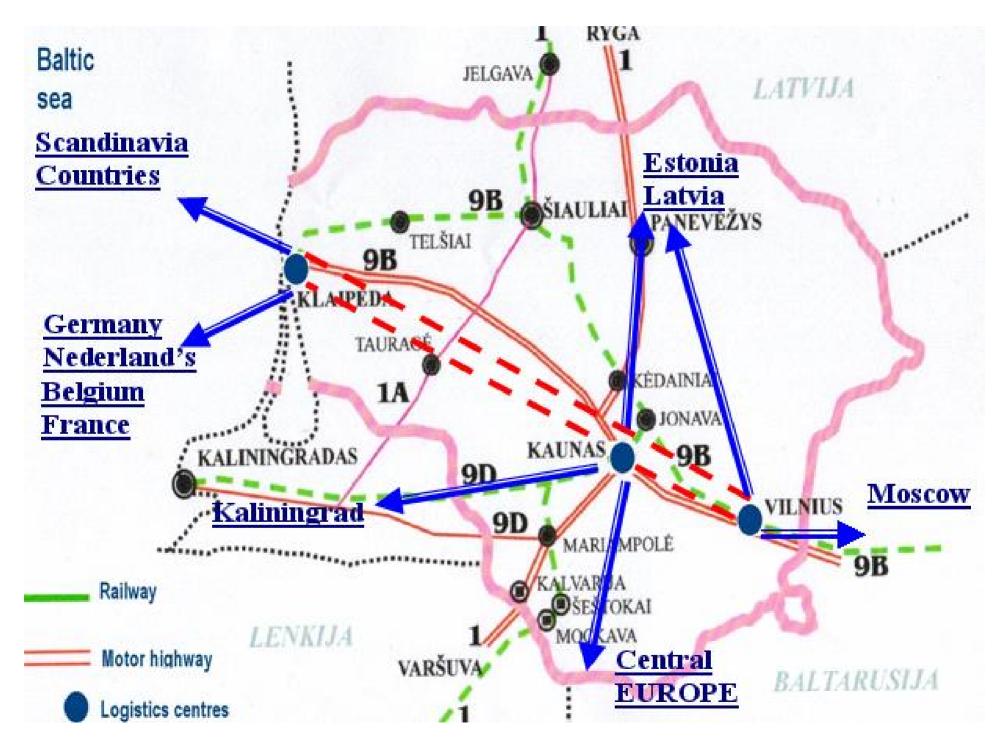




INTEGRATING LOGISTICS CENTRE NETWORKS IN THE BALTIC SEA REGION

InLoC creates better conditions for logistics operations in the Baltic Sea region by enhancing networking between logistics centres and their interest groups

- WP 1: Integrating Networks between Ports, Logistics Centres and Other Operators
- WP 2: Spatial Planning Supporting the Development of Logistics Centres
- WP 3: Integration of ICT-based Logistics and Transport Networks
- WP 4: Logistics Education and Project Dissemination







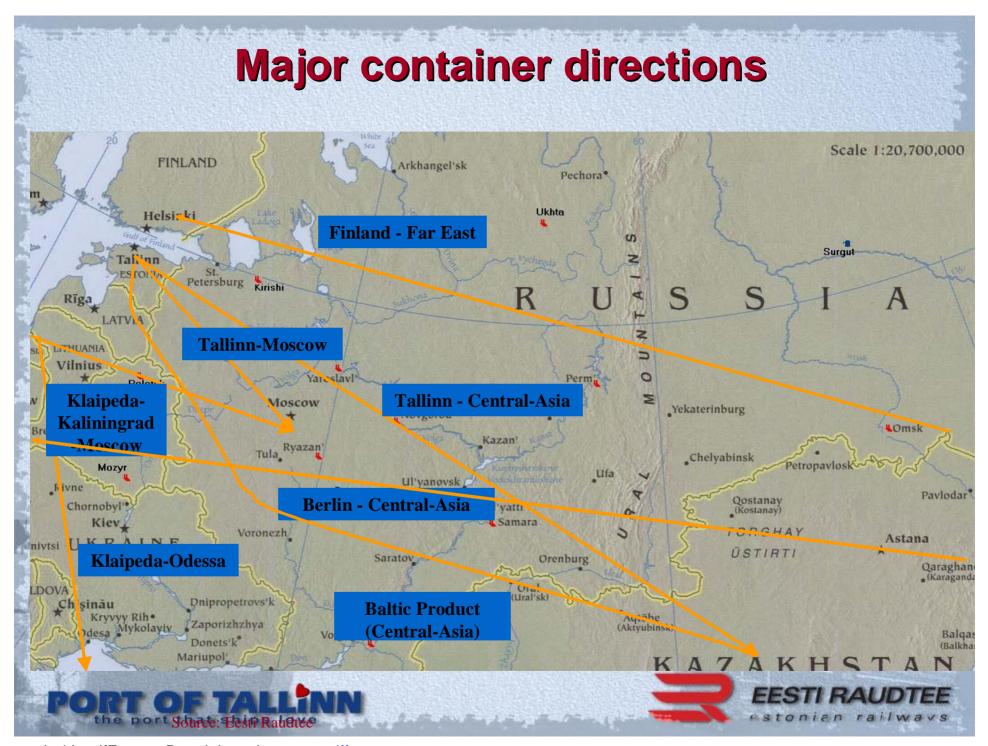


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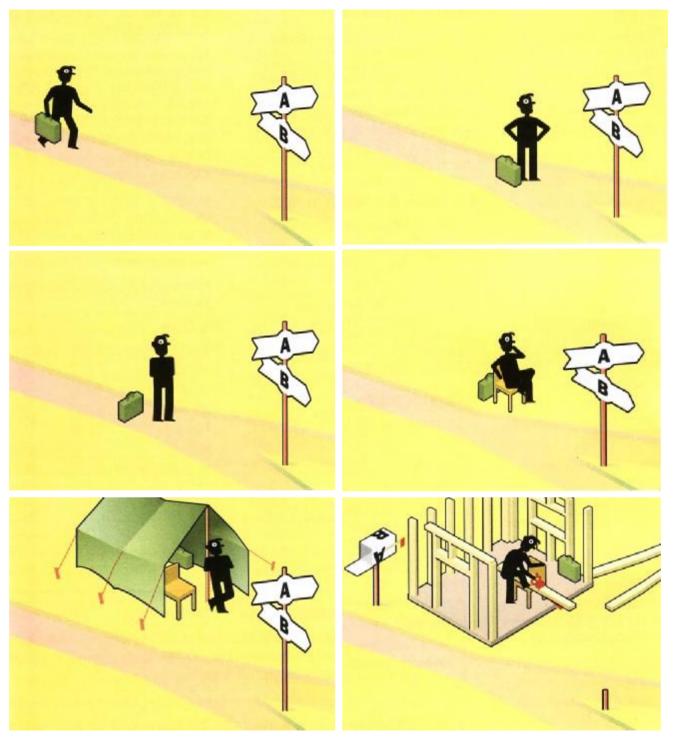


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Latvia possibilities for providing logistics services and distribution warehouses



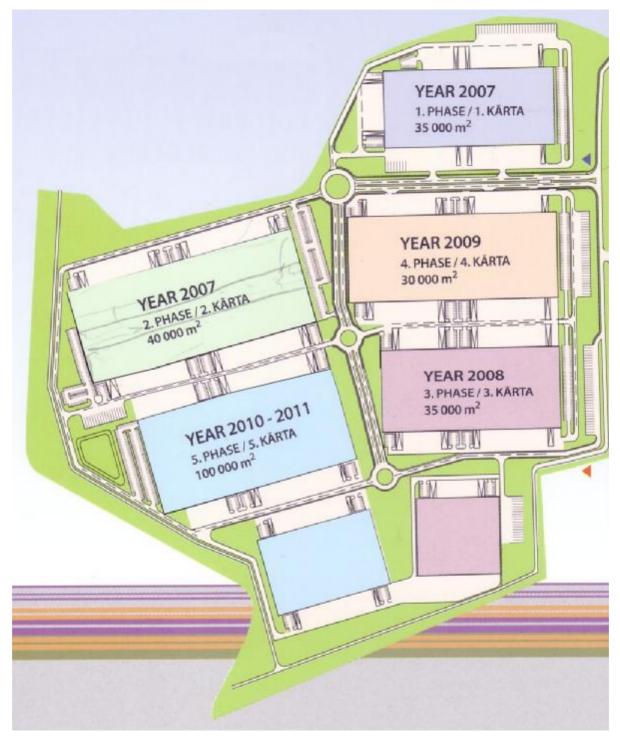


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Baltic Countries:

1996 - 212 thous. TEU

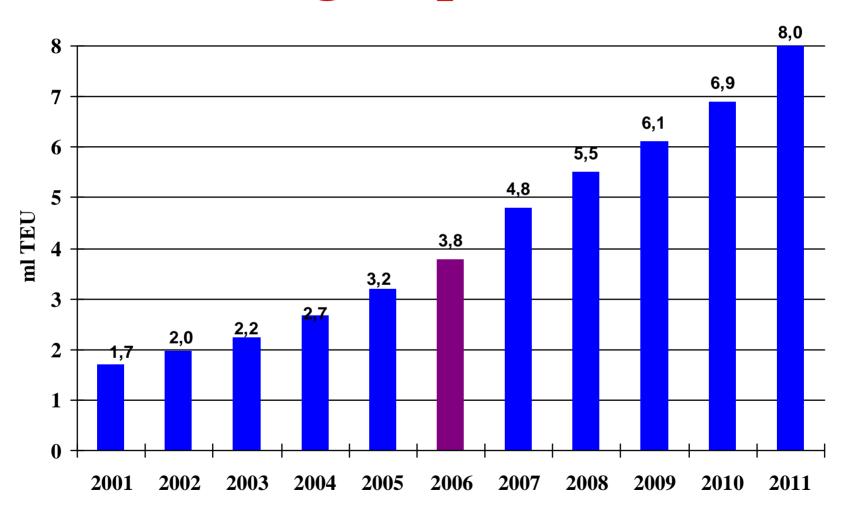
2005 – **515** thous. **TEU**

Tallinn – 128 thous. TEU

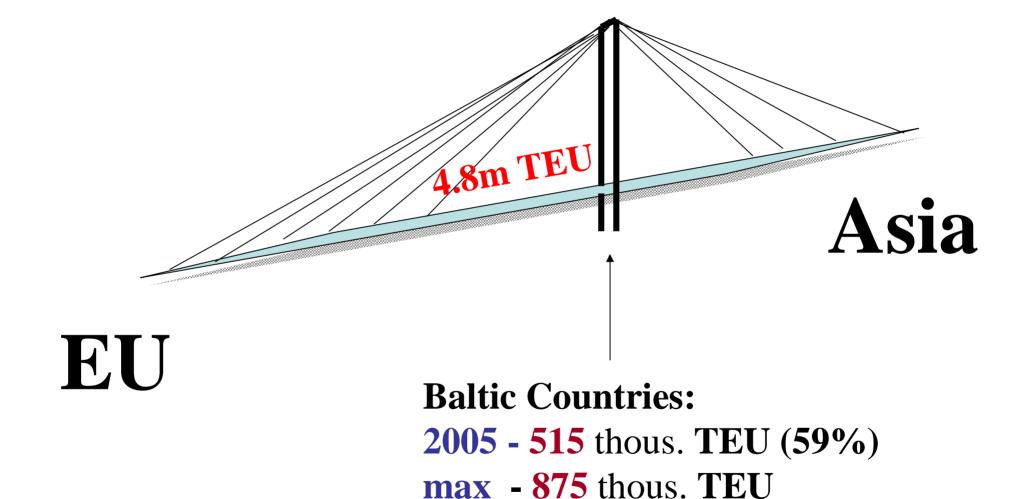
Riga- 169 thous TEU

Klaipeda – **214** thous TEU

Container traffic Baltic Sea region potential

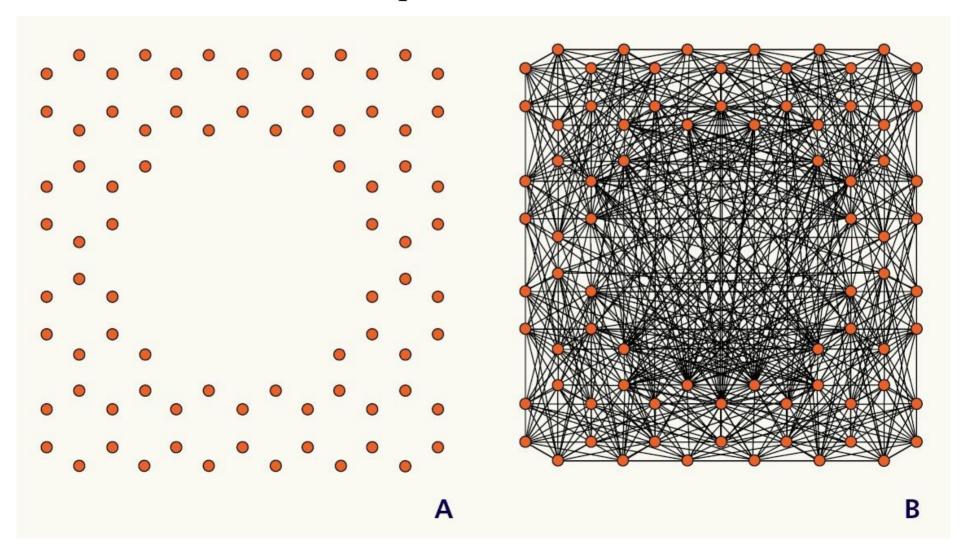


Source: Raivo VARE, 2006



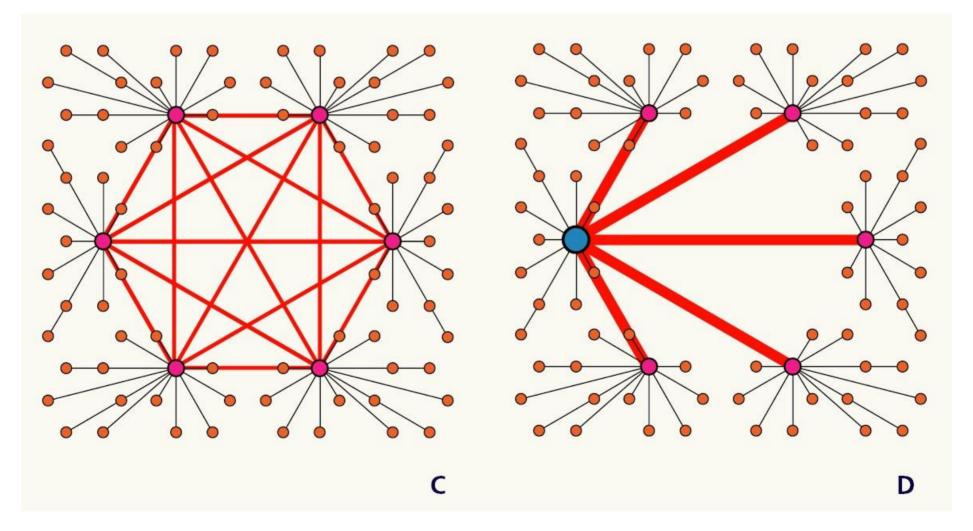
Example:

If all **80** points around the Baltic are to be connected with each other. It would require **3160** routes.

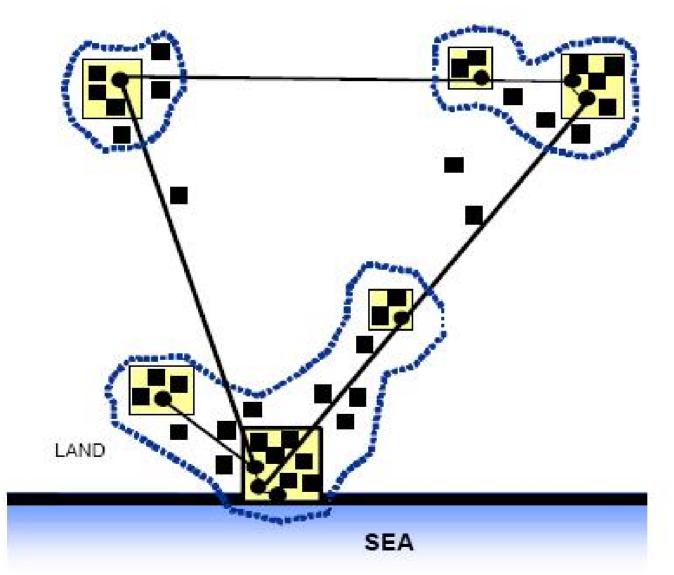


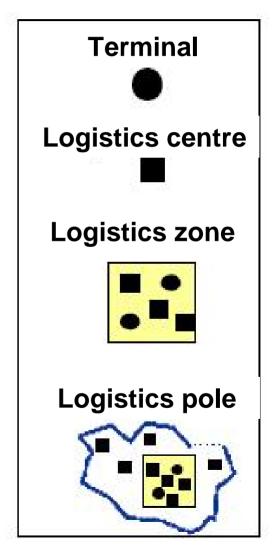
If 6 junctions are established, they can be connected with each other by means of 15 larger routes.

If a superjunction is established, they can be connected by means of 5 junctions and 1 superjuction with 5 superroutes.

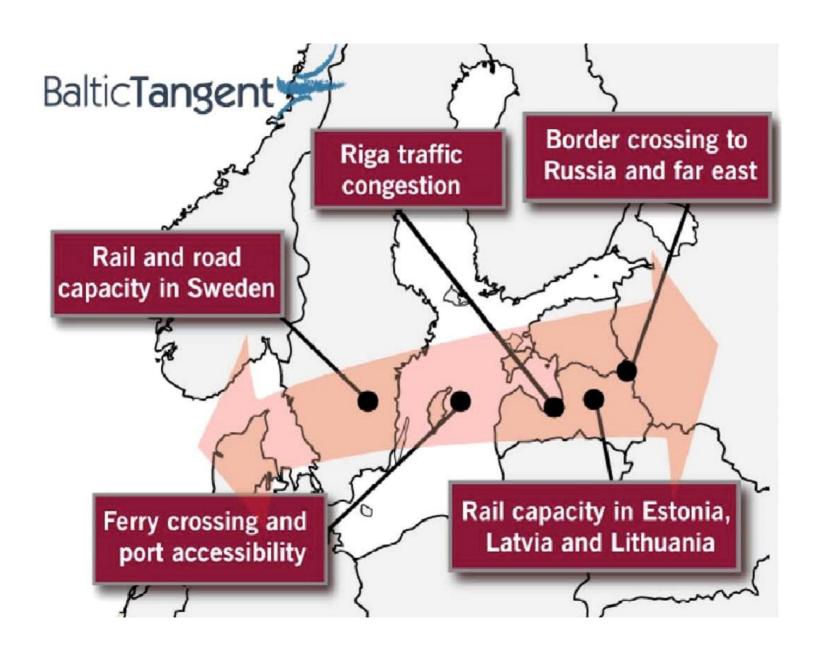


Logistics polarisation and the creation of logistics poles

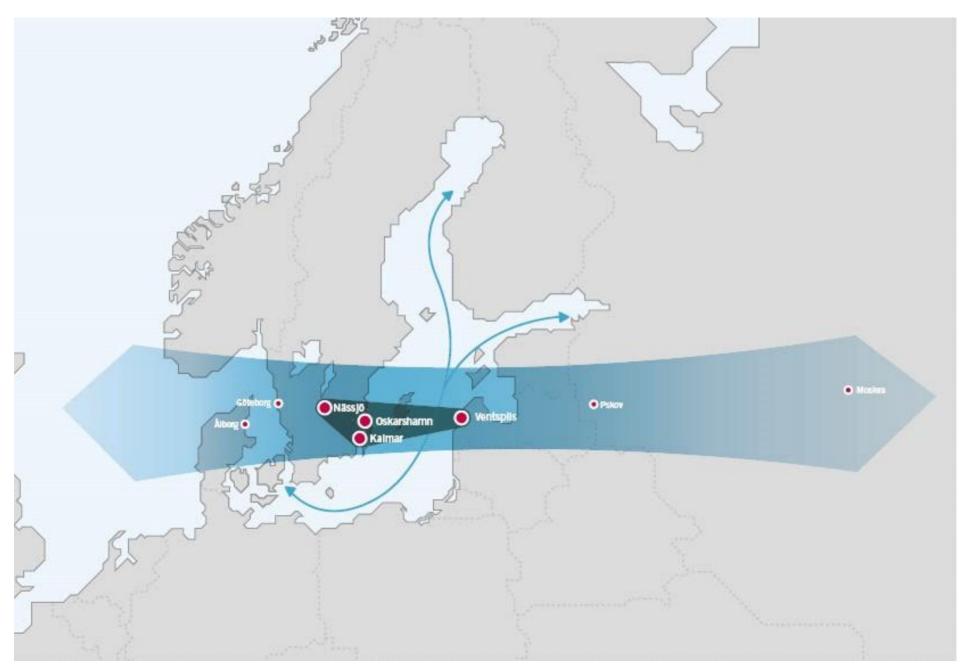


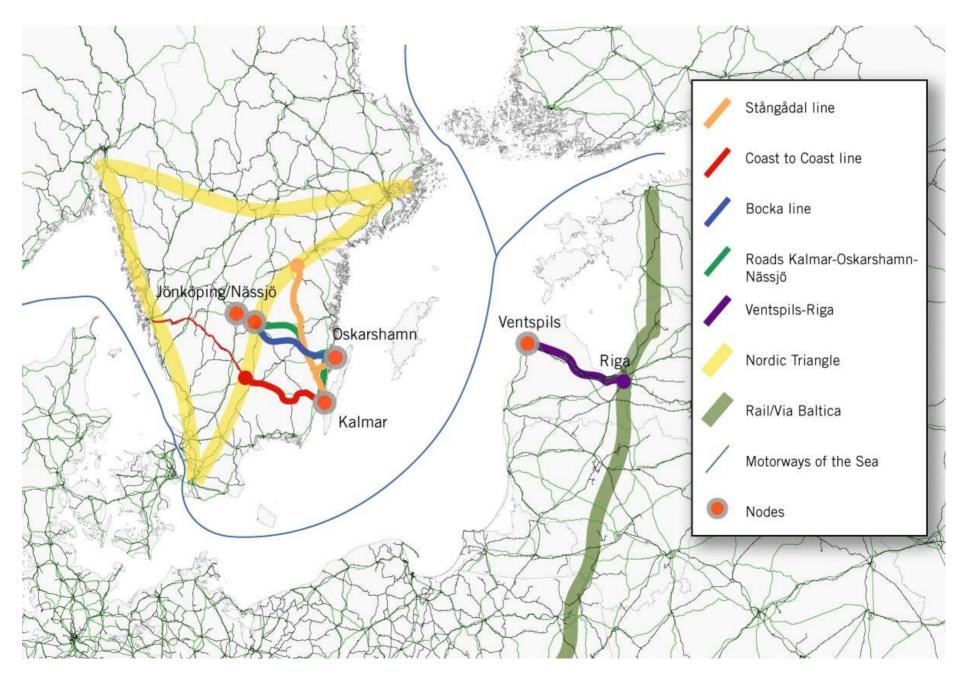


Source: Notteboom (2000)

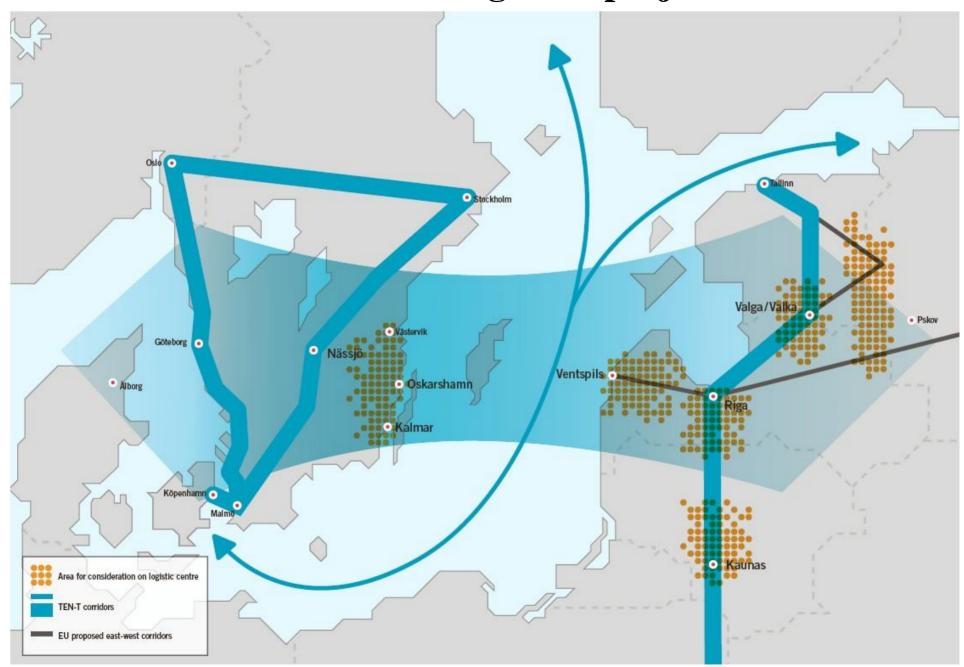


Baltic Connection Ventspils – Oskarshamn (BALCO)

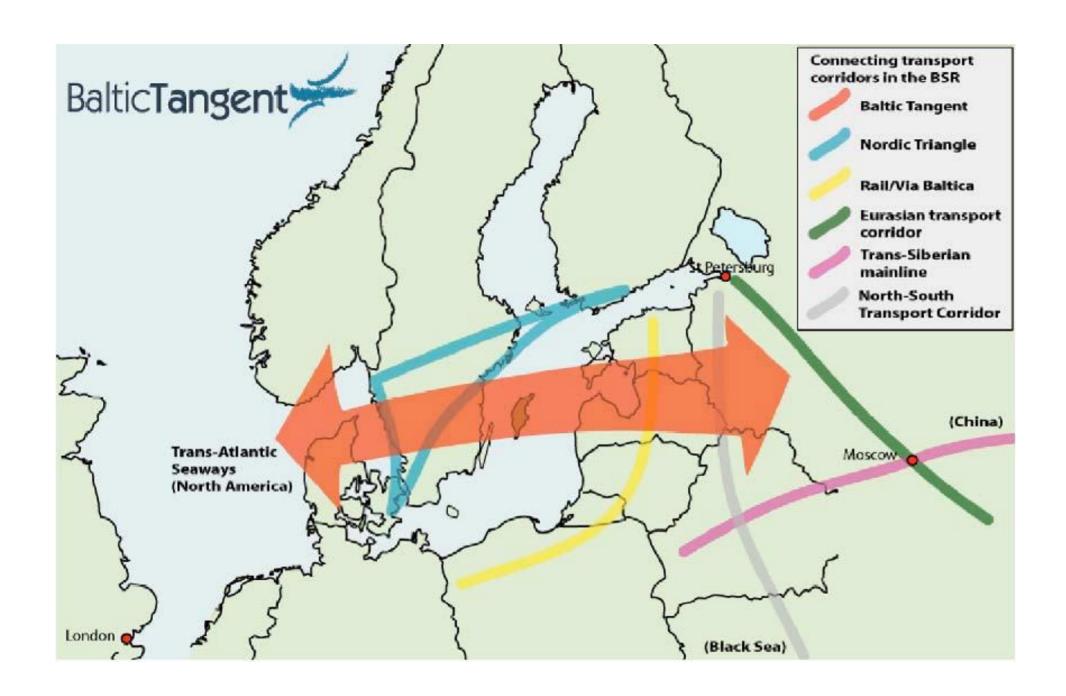




A Baltic Tangent II project



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Conférence Européenne des Ministres des Transports European Conference of Ministers of Transport

19-Mar-2007

English - Or. English

EUROPEAN CONFERENCE OF MINISTERS OF TRANSPORT TRANSPORT MANAGEMENT BOARD

CEMT/TMB(2007)8 For Official Use

THE EXTENT OF AND OUTLOOK FOR CONGESTION IN INLAND, MARITIME AND AIR TRANSPORT

The largest ships in service

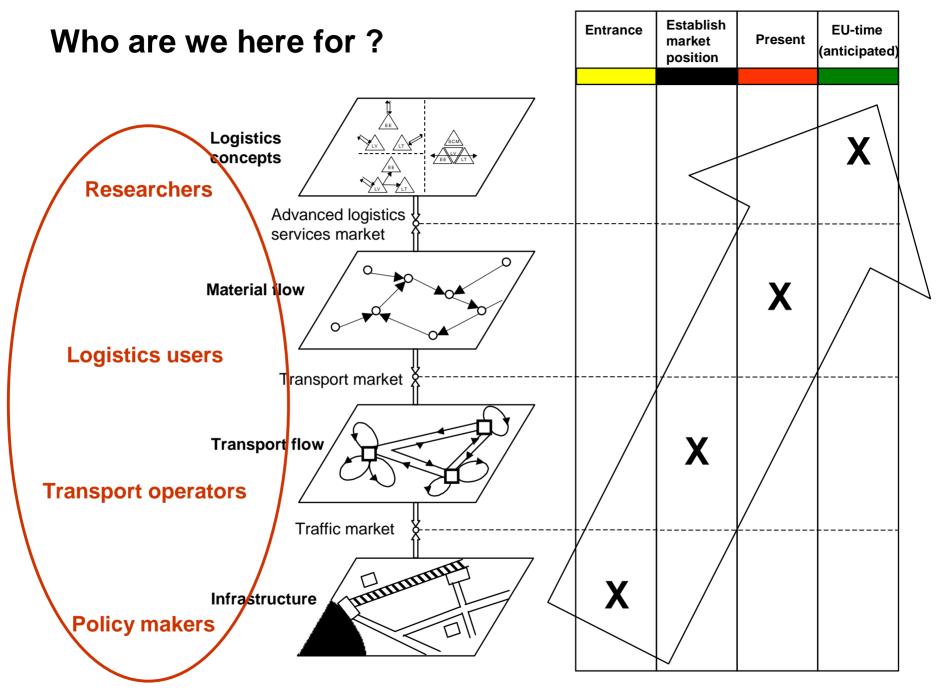


www.gizmodo.com/gadgets/gadgets/vehicles/oocl-shenzhen-worlds-largest-container-ship-111961.php

The largest ships in service, 3 built for Maersk in 2006, have a capacity of **14 500** TFU.

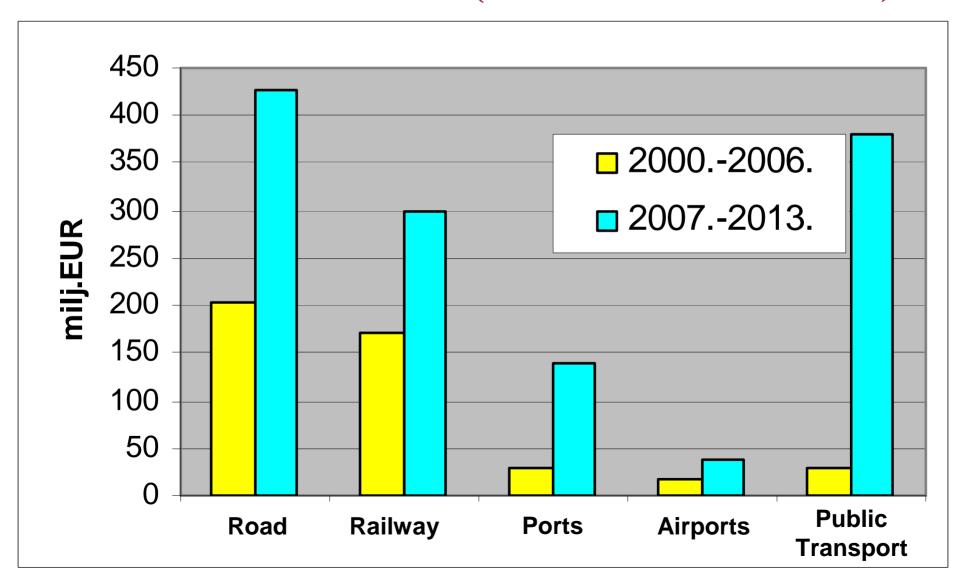
The next step up in size will be the **Malaccamax** ship, carrying **18 000 TEU** with a displacement of 200 000 tons, 470m long, 60m wide, 16m draft, equipped with more than 100 MW power to reach 25 knots.

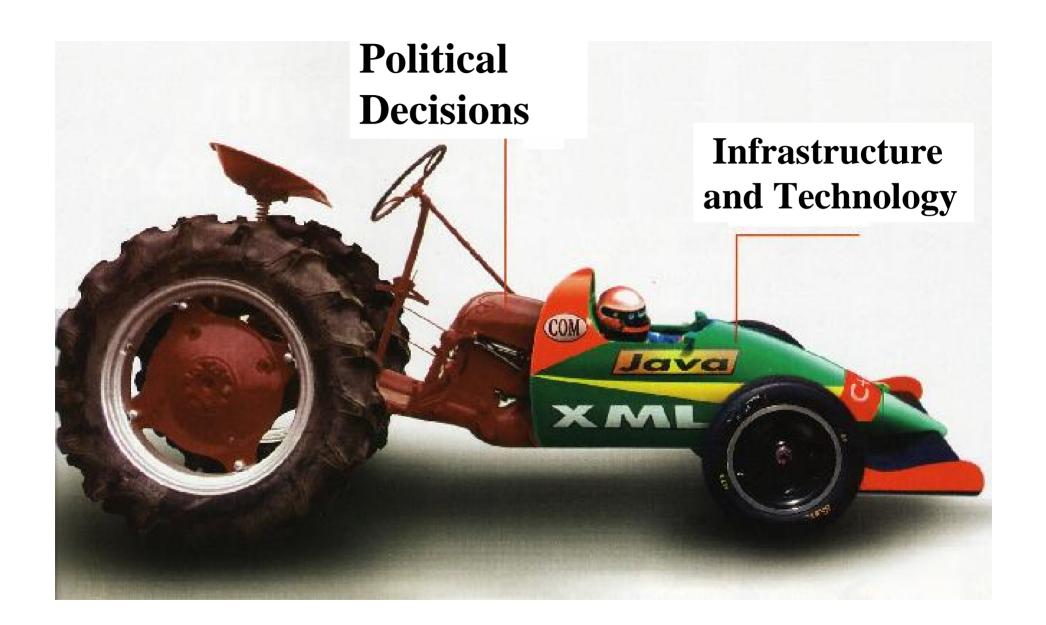
This is the limit without major restructuring of world trade routes, i.e. still larger vessels would not be able to pass either the Malacca straights or the Suez Canal.



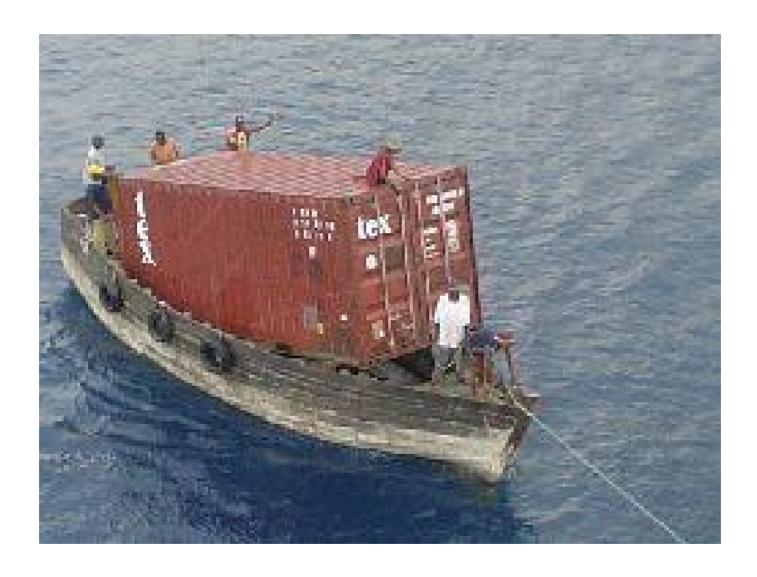
Source: AdLog study 2003

Resources of EU funds for transport infrastructure (million EUR / Year)











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