## One Belt, One Road and hundreds of European ports: How the OBOR policy might affect European port-hinterland dynamics

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## ESPO 2016 conference Dublin, 1-3 June 2016











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- 1. OBOR: What and why?
- 2. Current situation OBOR in relation to Europe
- 3. Possible impact on port hierarchy in Europe

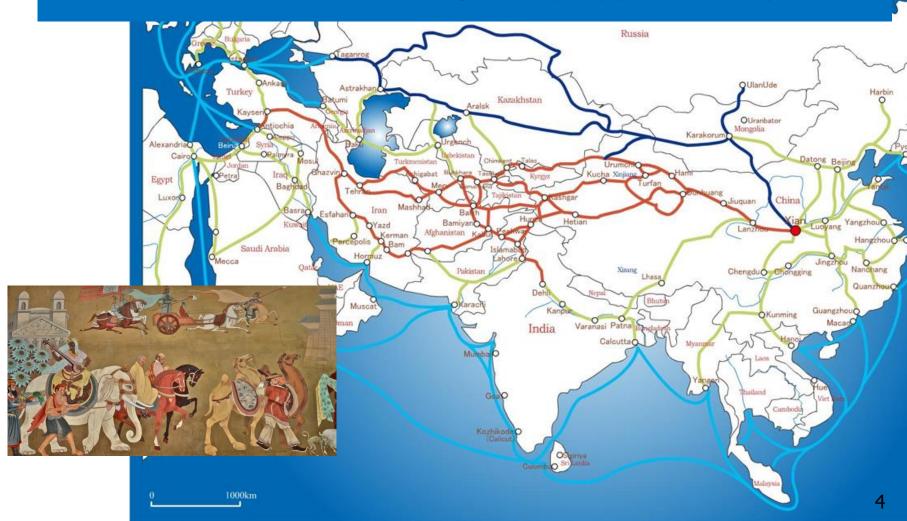
## One Belt, One Road (OBOR)

- Initiative launched in September/October 2013 by Xi Jinping to "break the connectivity bottleneck" in Asia
- March 2015: 'One Belt, One Road' initiatives action plan.
- Already 60 countries involved (impacting 4.4 billion people)
- Bottomless funding possibilities?
  - Silk Road Fund: USD 40 bln
  - Asian Infrastructure Investment Bank (AIIB): registered capital of USD 100 bln (of which USD 50 bln from China)
  - New Development Bank: USD 50 bln
  - CITIC-group: USD 113 bln support
  - Etc..



# Key considerations: Historical/cultural Symbolic significance of historic Silk Road

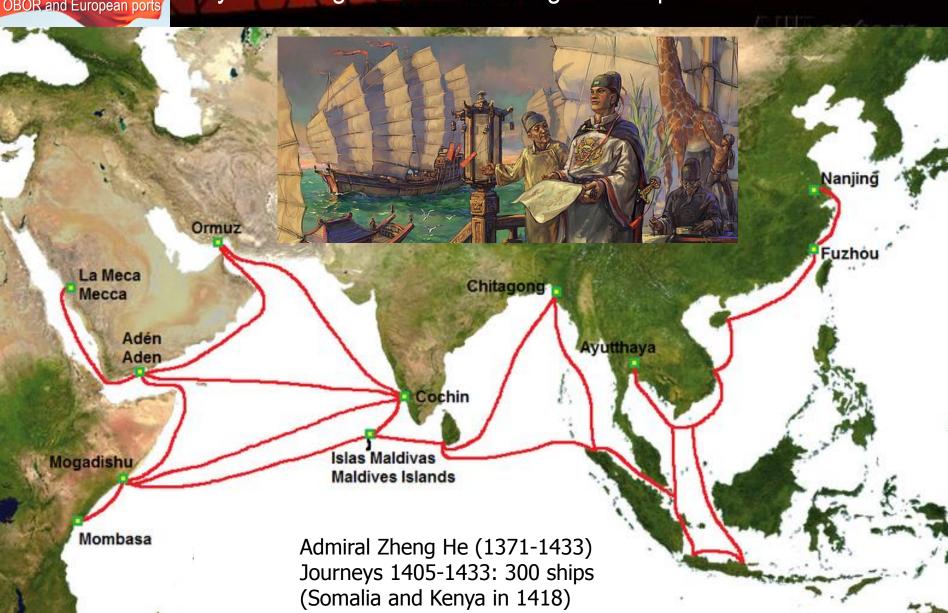
"China is a civilization state rather than a nation state" (Martin Jacques, 2010)
Ancient trade routes established during the Han dynasty (207 BC to 220 AD)



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# Key considerations: Historical/cultural Symbolic significance of Zheng He's exploits

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## Key considerations: Geo-economic factors

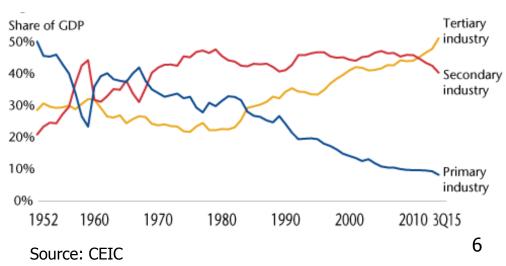
Search for growth given slower economic growth in China

## GDP annual growth rate in China (in %)



Source: National Bureau of Statistics China

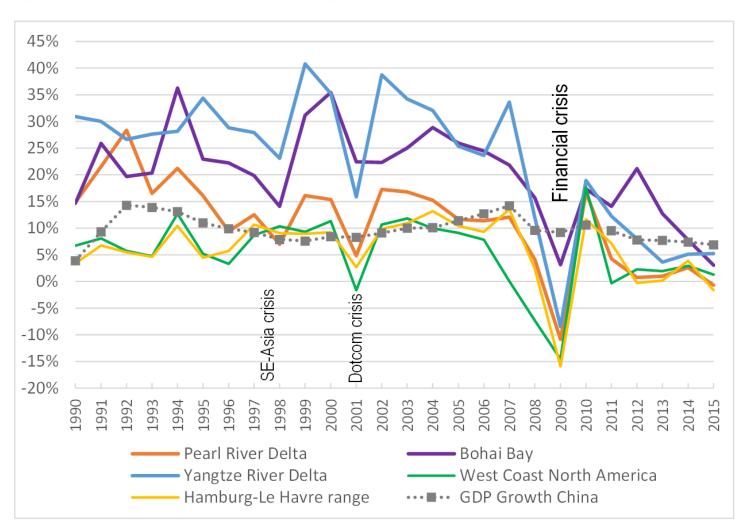
## From production to services



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# Key considerations: Geo-economic factors Search for growth given slower economic growth in China

Figure 3: Y-o-y growth rate in Chinese port regions and key port regions in Europa and North America



Source: own compilation based on data individual port authorities

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## Key considerations: Geo-economic factors

Help to resolve overcapacity of various industries within China

## World market shares (2014,%)

Steel producers		Steel users				
China	50	China	46			
Japan	7	United States	7			
United States	7	India	5			
India	5	Japan	4			
Republic of Korea	4	Republic of Korea	4			
Russian Federation	4	Russian Federation	3			
Germany	3	Transition economies	3			
Turkey	2	Germany	3			
Brazil	2	Turkey	2			
Ukraine	2	Mexico	1			
Other	15	Other	22			

China has vowed to tackle overcapacity in steel, aluminum, cement, plate glass and ship building industry.

Source: UNCTAD (2015)

## Overcapacity in global steel markets

Steel(million tonnes	World		China		India		Japan		US		EU	
Year	2013	2014e	2013	2014e	2013	2014e	2013	2014e	2013	2014e	2013	2014e
Production	1607	1636	775	802	81	84	111	111	87	88	167	163
Consumption	1586	1629	729	751	79	83	70	70	103	104	153	156
Surplus(Deficit)	21	7	46	51	2	1	41	41	-16	-16	14	7

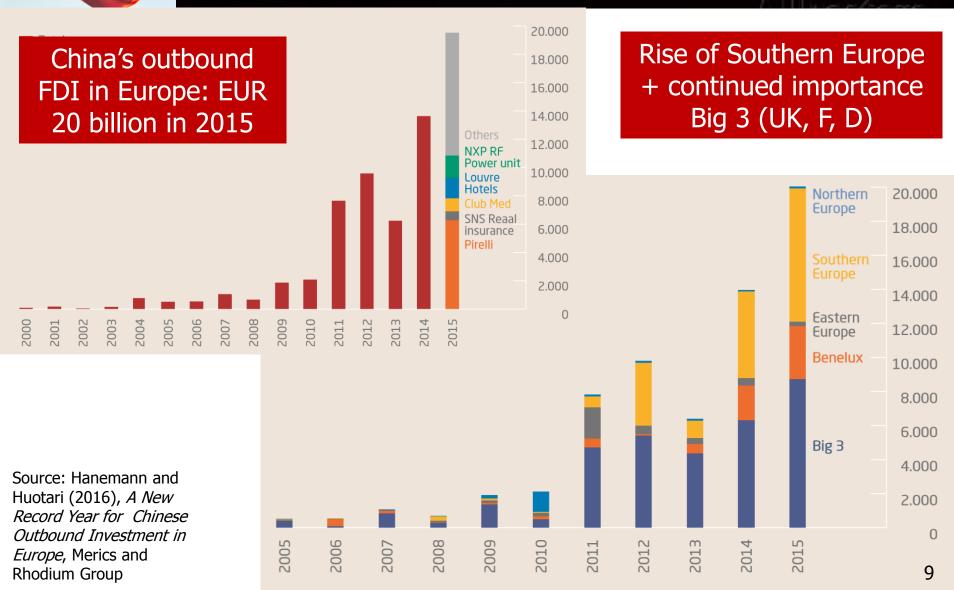
Source: EY Macquarie Research and Deutsche Bank

## Key considerations: Geo-economic factors

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SPO 2016 - Dublin Policy to channel foreign investments of Chinese companies + Capital convergence and currency integration (RMB)





# Key considerations Geo-political factors

- Domestic: preserve its territorial integrity (Xinjiang province as hub to Central Asia)
- Counterbalance US-backed Trans-Pacific Partnership
- Bypass Russia economically, politically, and geographically (e.g. energy security, new inland route to Europe not involving transit through Russia)

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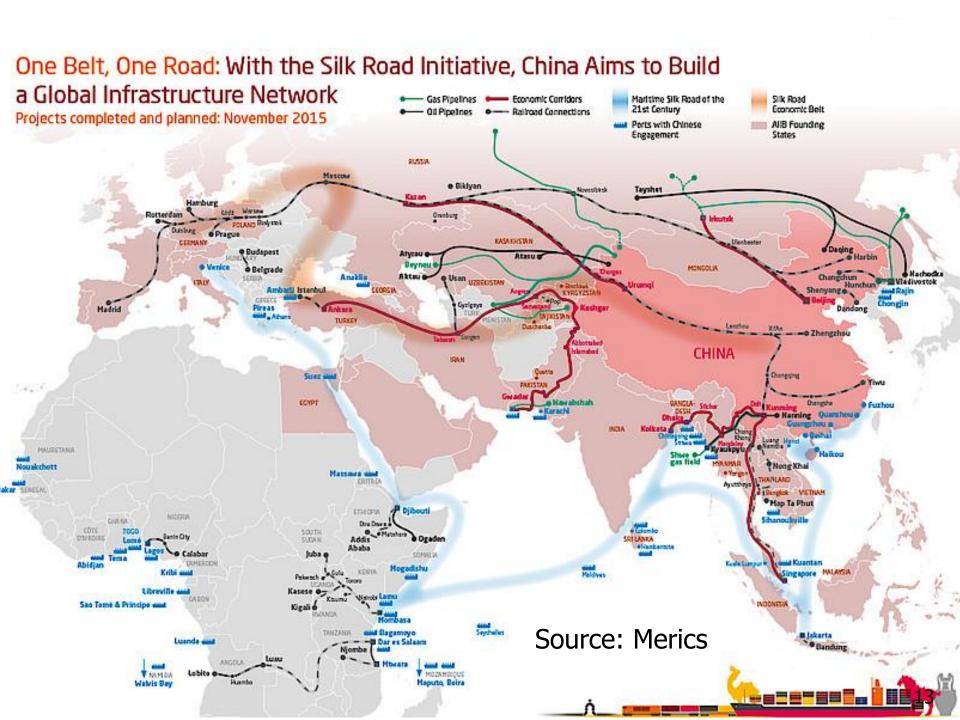
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Land-based Silk Road Economic Belt (one Belt) and SPO 2016 - Dublin 21st century Maritime Silk Road (one Road)

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OBOR and European ports
(SO

(source: Xinhua net)





## Risks:

- Politically instability of some of the regions
- Governance risks (waste, corruption) in view of infrastructure development.
- Financial discipline and careful budgeting
  - About 25% of all China's overseas investments in construction and engineering projects between 2005 and 2014 have stalled or failed.
- Fair tender procedures?



## List of 83 EU seaports in the **Core Network**



CT investments by Chinese interests

- **China Cosco Shipping Group**
- **SIPG**
- CMHI (via 49% in Terminal Link)

## CT investments by large Asian global

terminal operators

**PSA (Singapore)** 

**HPH (Hong Kong)** 

#### BELGIUM

Antwerpen Gent

2. Maritime ports:

Oostende, Zeebrugge

#### BULGARIA

Burgas

#### DENMARK

Århus

Københavns Havn

#### GERMANY

Bremerhaven, Bremen

Hamburg Lübeck Rostock Wilhelmshaven

#### ESTONIA

Tallinn

#### IRELAND

Cork Dublin Limerick

#### GREECE

Igoumenitsa Patras Pireus Thessaloniki

#### SPAIN

Algeciras Barcelona A Bilbao

Cartagena Gijón

A Coruña Las Palmas Palma de Mallorca

Sevilla Tarragona Valencia

#### FRANCE

Bordeaux

Calais, Dunkerque

Le Havre Marseille

Nantes Saint-Nazaire

Rouen

#### ITALY

Ancona Bari Genova A Gioia Tauro La Spezia Livorno Napoli Palermo Ravenna

Taranto Trieste Venezia 🛆 📈

#### **CYPRUS**

Lemesos

#### LATVIA

Rīga Ventspils

#### LITHUANIA

Klaipėda

#### MALTA

Valletta, Marsaxlokk

#### THE NETHERLANDS

Amsterdam A Rotterdam Terneuzen, Vlissingen

#### POLAND

Gdánsk, Gdynia Świnoujście, Szczecin

#### PORTUGAL

Sines A

Leixões (Porto) Lisboa

ROMANIA

Constanta

#### SLOVENIA

Koper

#### FINLAND

Helsinki Kotka, Hamina Turku

#### SWEDEN

Göteborg Luleå Malmö Stockholm A Trelleborg

#### UNITED KINGDOM

Belfast Bristo1

Cardiff, Newport

Dover

Felixstowe Forth (Edinburgh)

Glasgow

Grimsby, Immingham

Liverpool London A

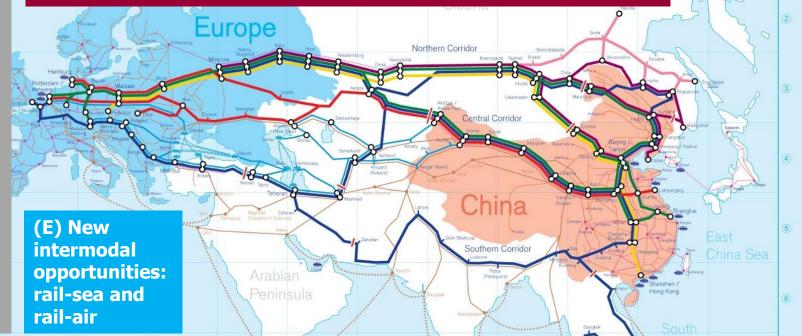
Southampton, Portsmouth

Tees and Hartlepool

## (B) Many new China-Europe services via Russia:

- January 2008: "Beijing-Hamburg Container Express" (15 days, 6,200 miles)
- SPO 2016 Dublir · Summer 2011: Chongqing Duisburg/Antwerp/Rotterdam (16-18 days; 11,179km)
  - September 2013: Suzhou Manzhouli Warsaw Rail service (13 days, 11,200 km)
  - January 2015 Yiwu (Zhejiang Province) Madrid (3 weeks, 8,111 miles)
  - August 2015: Xiamen-Chengdu-Europe Express Rail to Lodz in Poland (15 days)
  - September 2015: first trial train Changsha-Hamburg (15 days)
  - April 2016: Wuhan-Lyon (16 days, > 11,000 km)
  - Others: Zhengzhou (Henan)-Hamburg, Kunming-Rotterdam, Harbin-Hamburg

Volume passing from China to Europe across Kazakhstan: 13,200 TEU in 2013 and 46,100 TEU in 2015 (data Kazakhstan Railways KTZ).



#### (A) Trans-Siberian line:

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- half of total volume linked to China (420,000 TEU in 2014)
- Russian RZD plans to invest\$6 billion by2020 to increasespeed
- Hasan-Rajin project (Trans-Korean Railway).

#### (C) Preparations for new services via Iran and Turkey:

February 15, 2016: first train between eastern Zhejiang Province and Tehran. Turkey needs to complete a 75km section of rail between Turkey and Georgia.

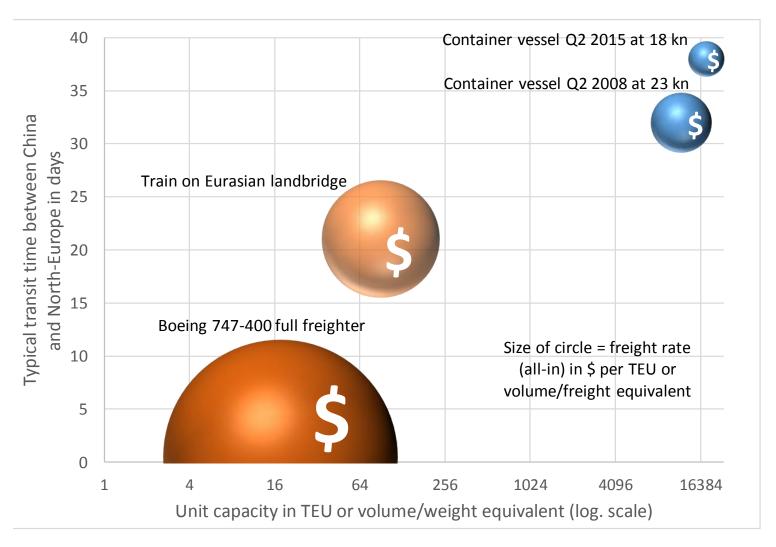
#### (D) Operational and administrative issues

Different gauges than Russia, unified CIM/SMGS railway bill, General Terms and Conditions 'TransEurasia', digitalization, etc.



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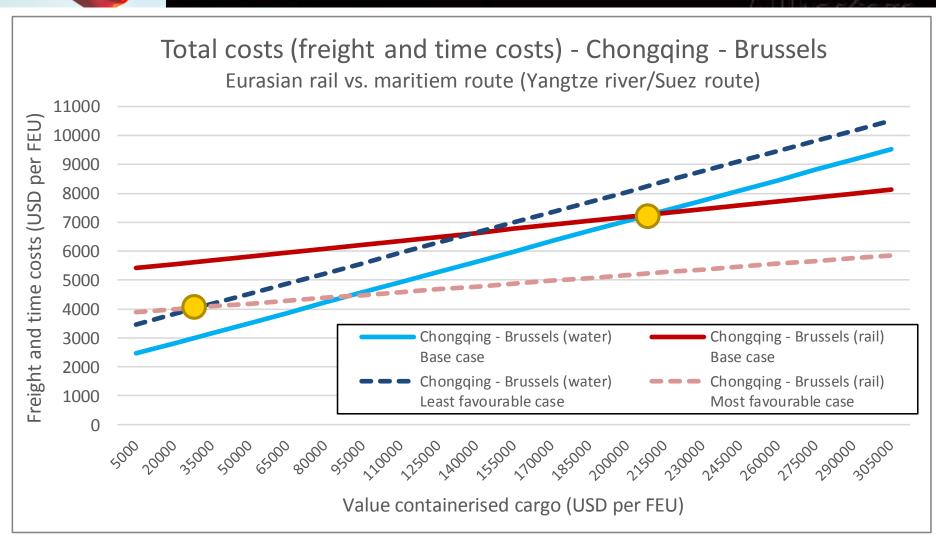
# Eurasian landbridges Freight transport options between China and North-Europe: Filling the gap?



Source: Notteboom (2015)

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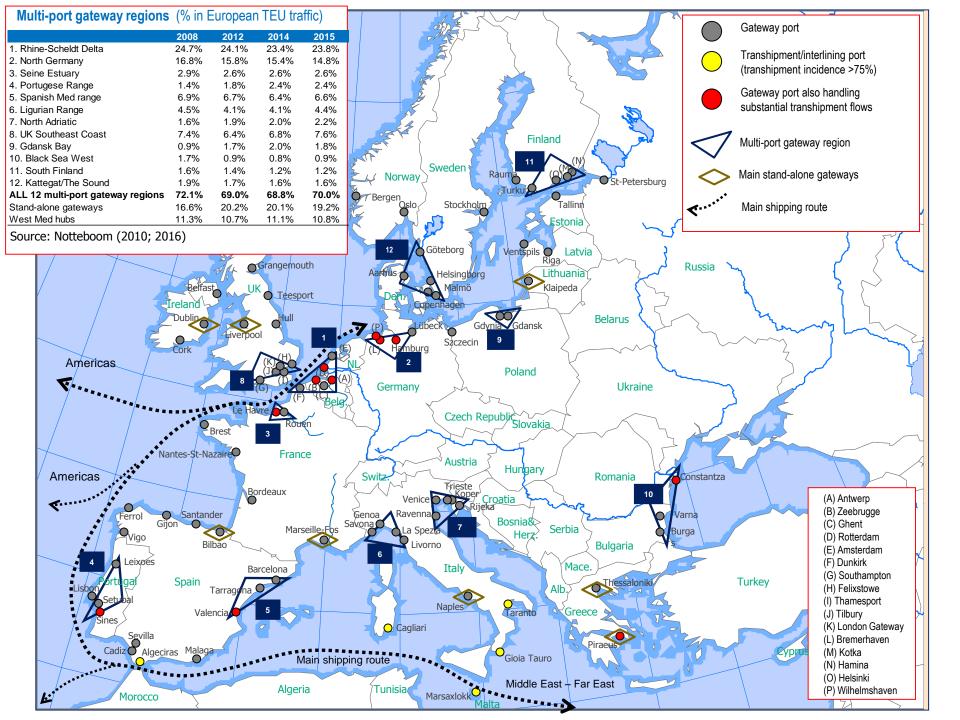
## Current vs. most favourable scenario

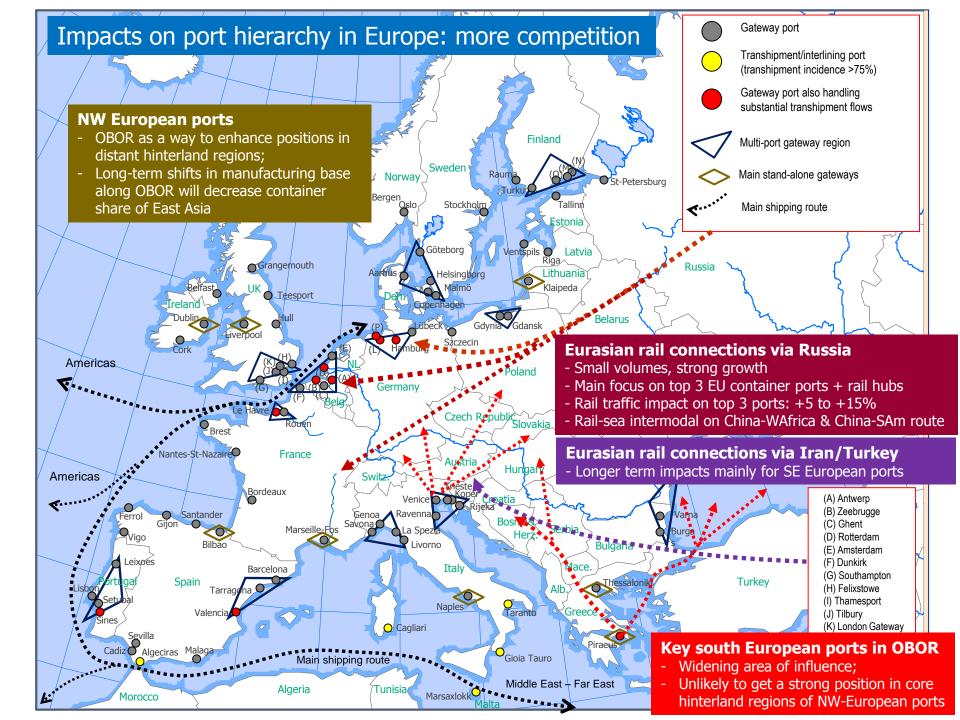


Base case = current situation (Q1 2016)
Water - least favourable case = higher freight rates, higher fuel surcharges
Rail - most favourable case = shorter transit times, lower rail rates

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## Future outlook: terminal investments

- More Chinese terminal investments in Europe, mainly through China Cosco Shipping Group and China Merchants Holdings International
- 2. Terminal strategy linked to new Ocean Alliance (CMA CGM, COSCO Container Lines, Evergreen and OOCL; starts in April 2017)
- 3. Role of 'windows of opportunity' to effective control
- 4. "Core ports" for China in OBOR strategy: going beyond Piraeus and Venice?











