

Port investments and maritime connectivity: The role of Italy for the Mediterranean region



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- Trends in shipping and ports: implications for Europe
- North-South competition
- EU intermodal corridors
- Some potential game changers



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Trends in shipping and ports

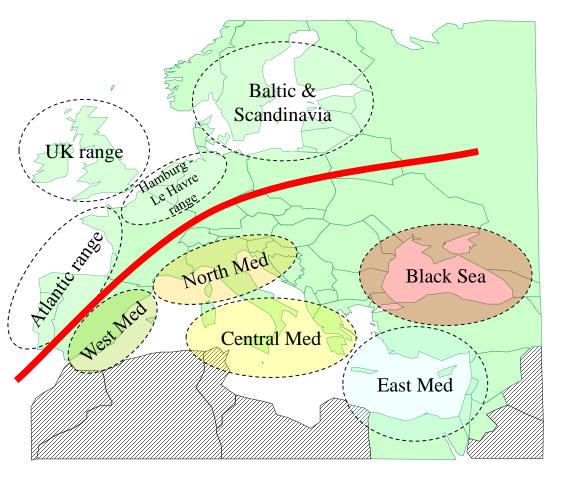


- Cost leadership and «loop» investments/freight rates
- Mega-vessels, imposing various forms of risk
- Restructuring of shipping services (-15% services Far East-Europe from 2015, rise of transhipment in the Med)

PORTS

- Inter-firm co-operation and vertical integration
- Diffusion of technological (EDI, RFID, IoT, OPS, etc.) and process innovations (automation)
- Port internazionalization and financialization.

The main port ranges in Europe

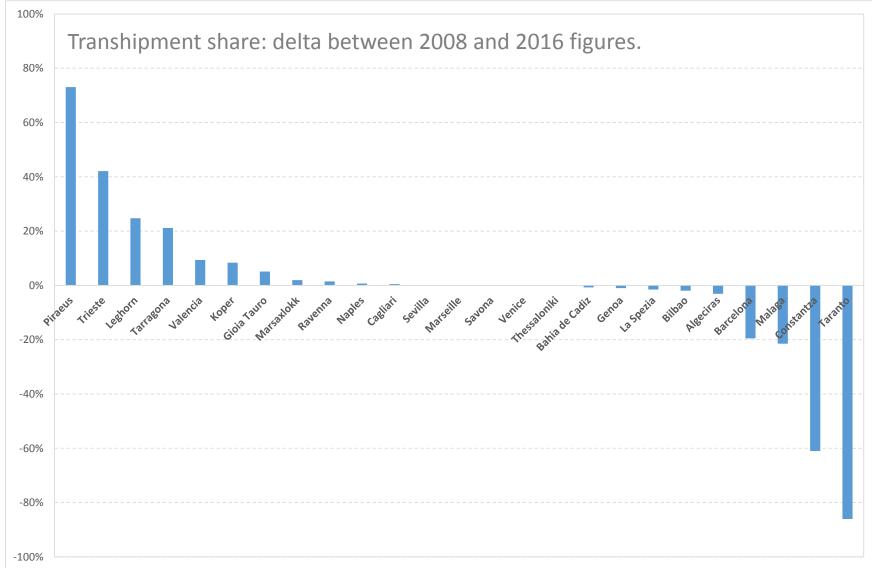


- Economic development
- Political stability
- Gateway/transhipment mix
- Centrality to inland markets
- Port infrastructures
- Hinterland transportation
- Port governance models
- Openness to multinationals



Transhipment share in gateways and hubs





Source: own elaboration from PA websites, Annual Reports, specialized press, etc.



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Top 15 container ports in Europe

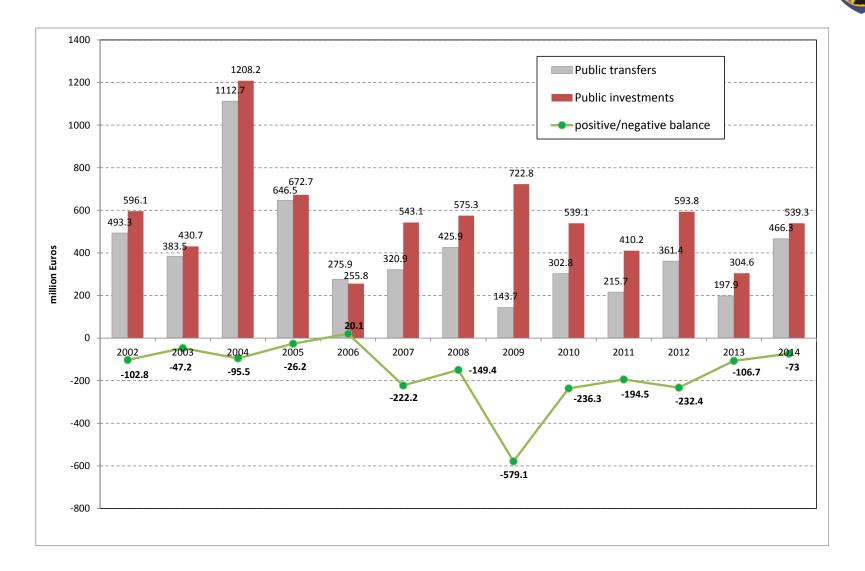
Тор	o 15	co	ntainer	ports	in Euro	pe in 2017	7
Total container throughput in 1000 TEU							
Rank 2017	Rank 2016	Rank 2007	Port	Note	2017 1000 TEU	Growth 2016/2017	Growth 2007/2017
1 2	1 2	1 3	Rotterdam (NL) Antwerp (BE)	. A	13,735 10,451	10.9% 4.1%	27.3% 27.8%
3 4 5	3 4	2 4	Hamburg (DE) Bremerhaven (DE)		8,820 5,537	-1.0%	-10.8%
5 6	6 5	8 6	Valencia (ES) Algeciras (ES)	distant in	4,832 4,381	2.1%	58.8% 28.1%
7 8	8	7	Piraeus (EL) Felixstowe (UK)	Est 9M	4,060	10.5%	195.7%
9 10	9 13	12 10	Marsaxlokk (MT) Barcelona (ES)	ants -	3,150	2.3%	65.8%
11	11	9	Le Havre (FR)		2,969 2,884	14.5%	.3%
13	12 10	14 5	Genoa (IT) Gioia Tauro (IT)	Est 11M	2,638 2,449	1.8% -12.4%	42.2% -28.9%
14 15	14 15	13	Southampton (UK) Sines (PT)	Est. 9M	2,035 1,669	-0.1%	B.9% 1012.7%
	AIL	February			73,419 33,006	4.2% 5.4%	19 <mark>8</mark> % 18.4%
PertEconomics							

Container throughput growth 2007-2017 in Europe Top 10 of best and worst performers



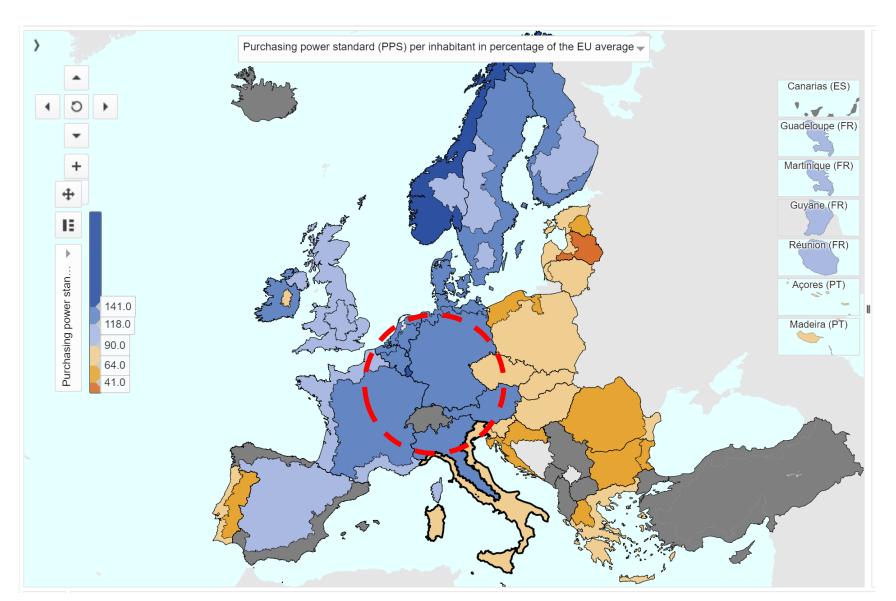
Source: Notteboom (2018), www.PortEconomics.eu

Public and private investments in container ports



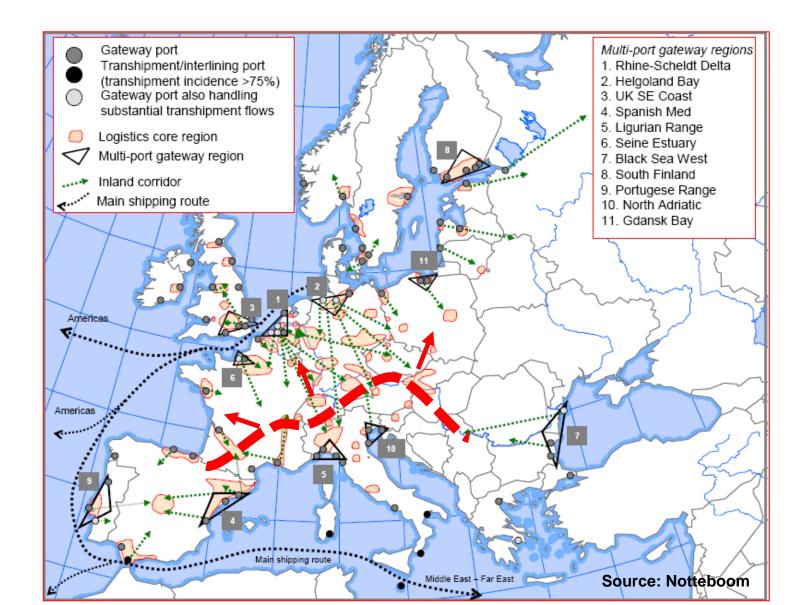
Battle for serving the richest EU markets





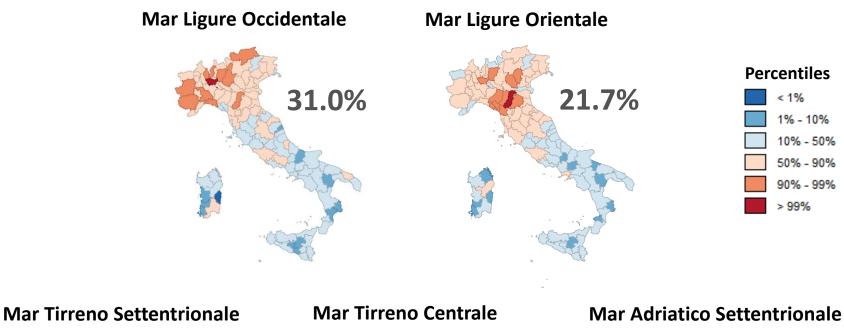
North-South intermodal divide

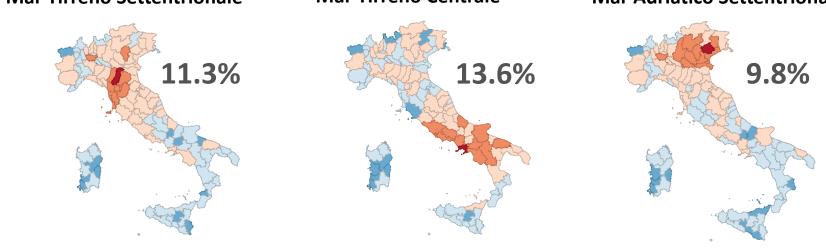




The hinterlands of the main Italian ports







Source: import/export container traffic (extra UE). Own elaboration from data provided by the Italian Customs Agency.

Are Med ports really "closer" to Asia ?

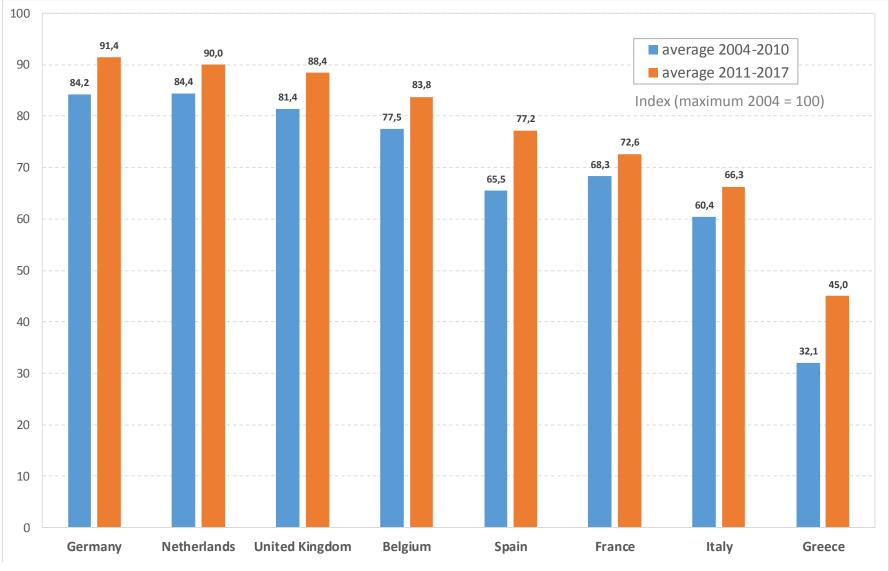
1 Cargo does not follow the shortest Euclidean distance





2 Cargo typically shows inertia in path changing

LSCI: trends in maritime connectivity

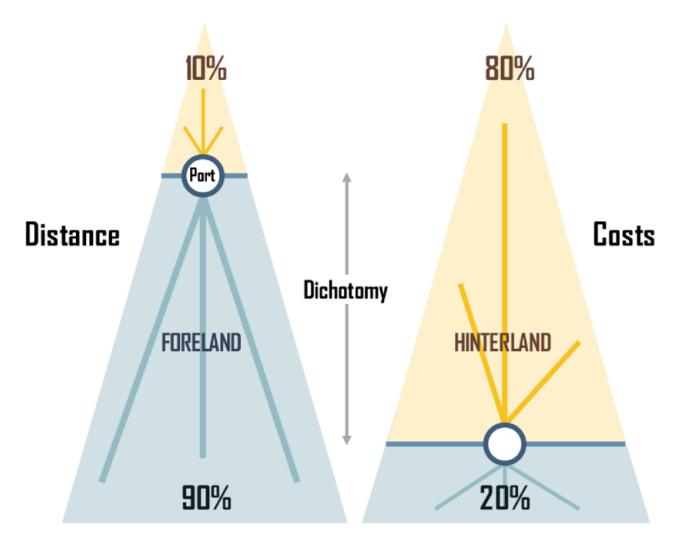


Source: own elaboration from UNCTAD.



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Hinterland transportation is a bottleneck



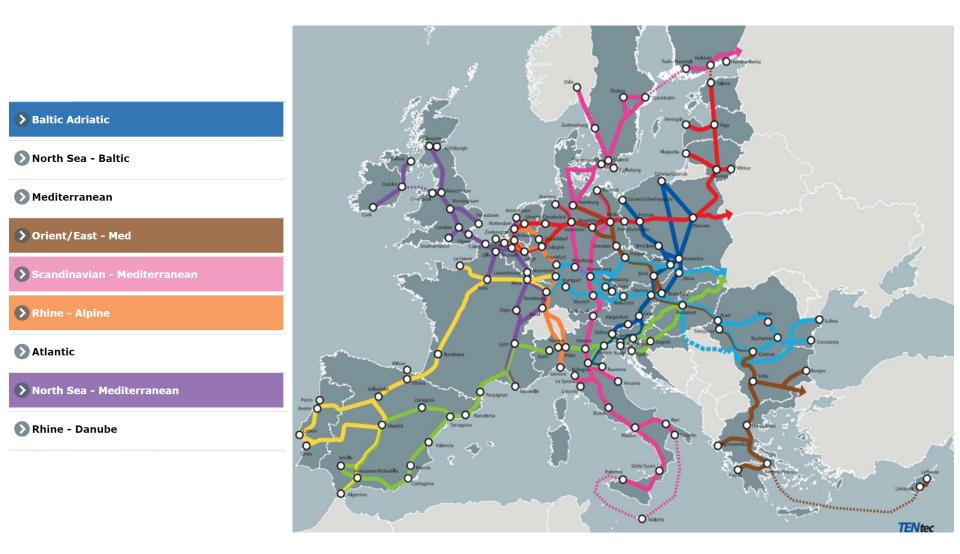


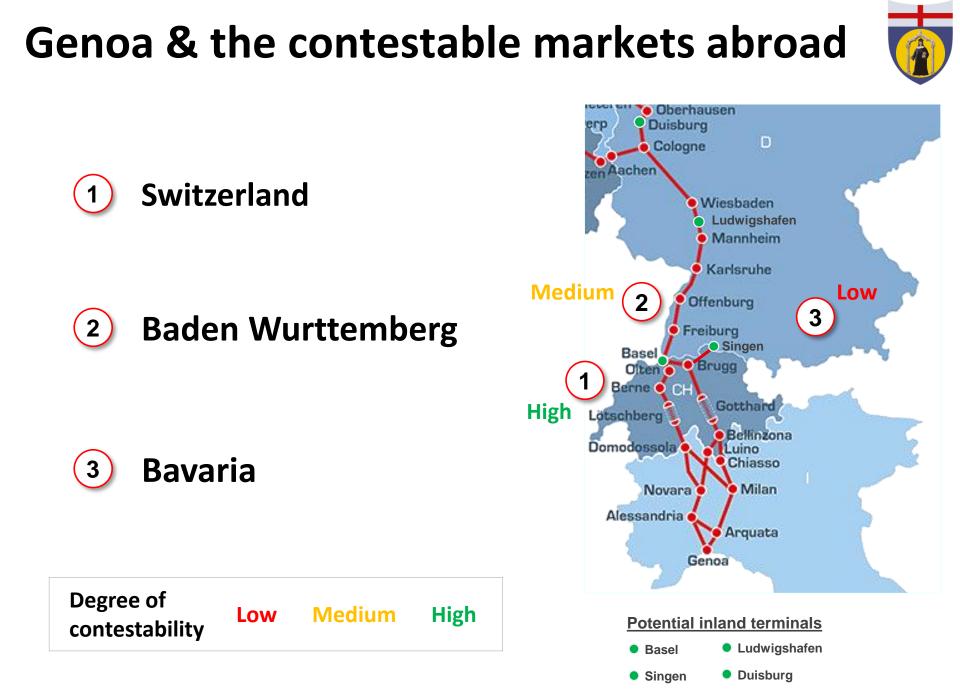
- High terminal costs
- Low-capacity trains
- Road congestion
- Insufficient capacity of infrastructures
- Customs clearance

Source: adapted from Jean-Paul Rodrigue website.

The EU North-South corridors







Port of Trieste: Looking Northbound...



Italy Padoa interport, Milano shunting, Bologna interport, Rubiera/Modena, Novara

Austria

Direct connection: Villach Süd CCT, Wolfurt CCT, Graz Süd CCT, Salzburg Hbf CCT, Salzburg Hbf, Linz Stadhafen, Wien Fraudenau, Wels Wien N.W. Banhof links to: Praha, Brno, Rostock

Germany

Direct connection: Kiel – Göteborg, Munchen, Ulm, Burghausen, Ludwigshafen, Frankfurt am M, Köln, Duisburg Munchen Riem links to: Köln, Duisburg, Liepzig, Berlin, Hamburg

Luxembourg

Bettembourg

Hungary

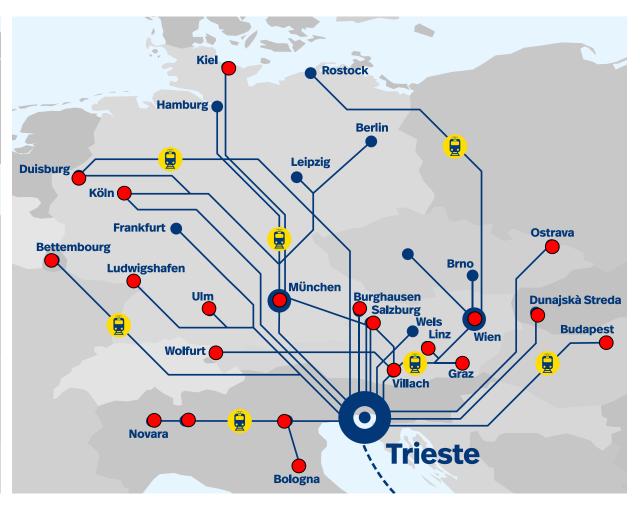
Budapest Bilk

Slovakia

Dunajskà Streda

Czech Republic

Ostrava



direct rail services



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Some potential game changers

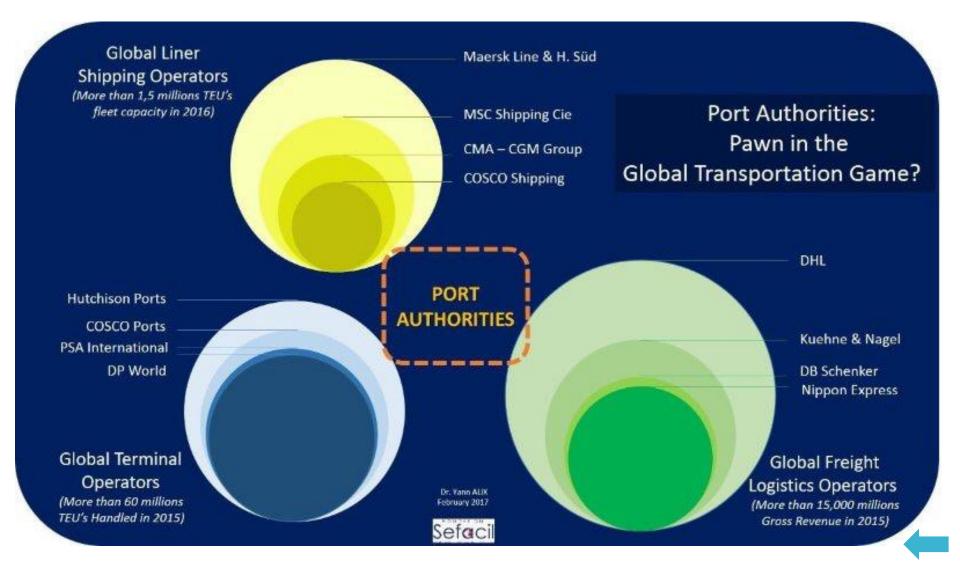
Some potential game changers



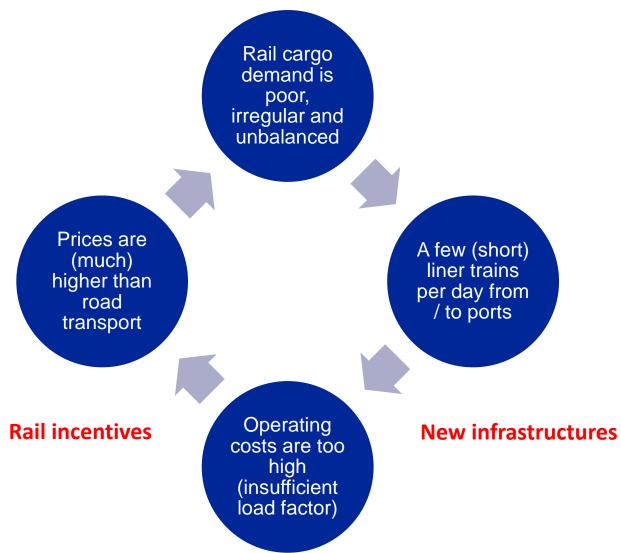
- Trends in mega-vessels, industry consolidation and survival (<u>which role for PAs?</u>)
- Intermodal challenge (e.g., exploring new markets, etc.)
- Asymmetric/unequal EU corridor development, i.e. timing in the realization of infrastructures, bottlenecks, missing links
- Governance and managerial efficiency/autonomy (central vs. peripheral, autonomy vs. hierarchy, public entity vs. corporation, financial autonomy vs public transfers, etc.)

Port Authorities are under pressure





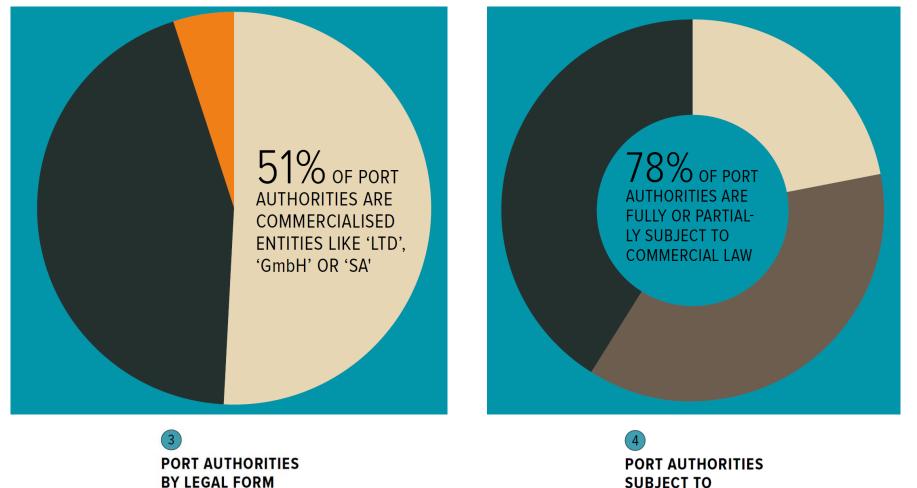
Intermodal challenge: A vicious cycle to dismantle...





Managerializing Port Authorities





51% Limited companies
44% Independent public bodies
5% Other

Source: ESPO 2016 Report - Trends in EU ports governance

 PORT AUTHORITIES SUBJECT TO COMMERCIAL LAW
 41% Fully subject
 37% Partially subject

22% Not subject



Thanks!

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www.porteconomics.eu/member/parola www.porteconomics.eu/member/satta