









Venice and the North Adriatic Ports as the European Gateway of the Greenest XXI century Maritime Silk Road



VENICE PORT AUTHORITY

PAOLO COSTA, PRESIDENT

VENICE, 10-11 JULY 2016









The Maritime and Land Silk Road













The 21st century maritime link between Asia and Europe is only a variation of the ancient Silk Road.

The only difference between the "maritime" Silk Road used by Marco Polo and that one currently used by the "Phoenician Express", direct container service operated by Ocean Alliance between Shangai and Venice, is the modern availability of the Suez Canal.



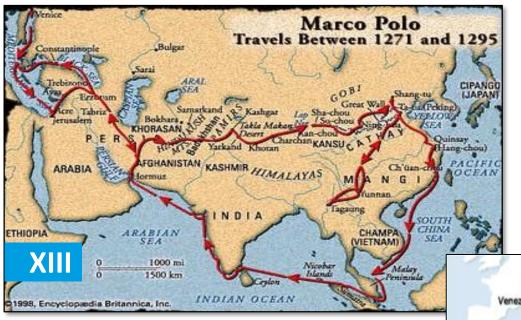








XIII and XXI century Maritime Silk Road (Suez Canal)



- ☐ In export, travelling days from Venice to Chiwan are 30 days, 34 to Shanghai
- ☐ From Chiwan to Venice, in import, are just 25 days

CMA CGM

Malta

Shanghai
Ningbo

Chiwan

Phoenician Express (CMA-CGM, Cosco Container

Lines, Evergreen Line e Orient Overseas Container Line)









The XXI Century Maritime Silk Road in the Mediterranean

- Athens (Piraeus) "and" Venice and the North Adriatic Ports?
 Or
- Athens (Piraeus) "versus" Venice and the North Adriatic Ports?











The XXI Century Maritime Silk Road in the Mediterranean

Athens (Piraeus) "and" Venice in the OBOR strategy:

 Athens as the Mediterranean transhipment port of the Maritime Silk Road

"and"

Venice and the North Adriatic Ports as its European destination gateway?









The XXI Century Maritime Silk Road in the Mediterranean

Athens (Piraeus) "versus" Venice and the North Adriatic Ports

Athens as European destination gateway would add a longer land leg against the longer and greener maritime leg of Venice and the North Adriatic











Why Venice and the North Adriatic ports (Ravenna, Trieste, Koper and Rijeka) can become the best maritime Silk Road's European destination gateway











Because Venice and the North Adriatic are at the "right place" to make the Maritime Silk Road greener and with the best time/cost ratio:

- longest maritime leg with bigger and cleaner vessels (18.000 TEU and more);
- shortest land leg to "manufacturing Europe";
- innovative port and logistics handling of megacargoes.











Venice and the greenest and most time/cost efficient XXI Century Maritime Silk Road

Venice and other North Adriatic ports can take mega vessels (ULCV of 18.000 TEU and beyond) carrying **more than 6 million TEU per year** by 2030 to the heart of the European market because of its:

Shortest route from China to «Manufacturing Europe»

- 1. The shortest (and less costly) maritime-leg;
- The most efficient port and logistics handling;
- 3. The shortest land-leg.

ECONOMIC DRIVERS

Least generalized transport cost

- 1. Lower direct costs;
- 2. Lower indirect costs;
- 3. The (least costly) port & logistics for mega cargoes carried by mega vessels (more than 18.000 TEU).















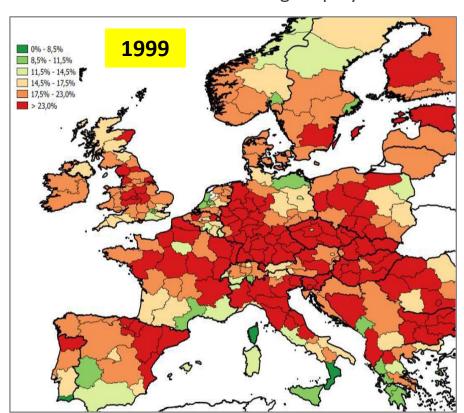


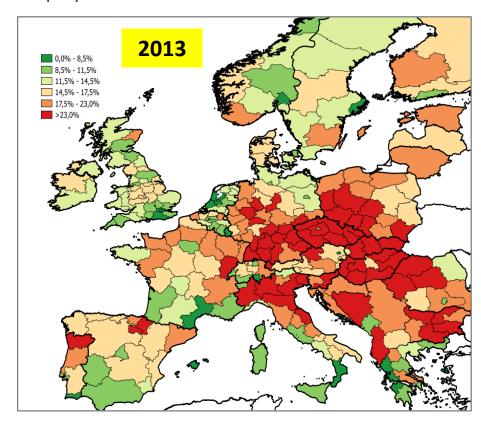


LAND LEG: The shortest land route to "manufacturing Europe"

The North Adriatic ports are the nearest to **manufacturing Europe**, which has moved towards East.

Share of manufacturing employment on total employment: the relevant eastbound shift





(source: VPA elaboration on Eurostat data)



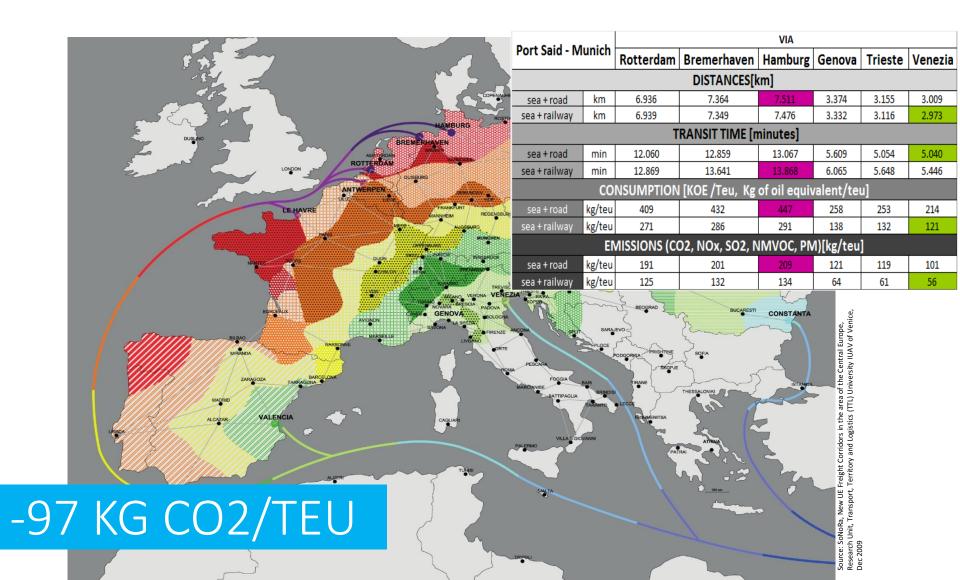








LAND LEG: The greenest way from China to "manufacturing Europe"











How Venice

and the North Adriatic ports

will act as OBOR's European

Gateway Terminal?









North Adriatic Ports: current trends









North Adriatic Ports Traffic Growth in spite of the "great recession"

Since the financial and economic crisis has started, the North Adriatic ports traffics have continued thriving. This growth has been particularly significant for the container sector; indeed, from 2009 to 2015,

- Northern Adriatic ports' TEU traffics raised by 77% (from 1.3 to 2.3 million TEU)
- Baltic Ports rose their traffic by 48%,
- Northern Range ports by 22%
- Tyrrhenian ports by 31%

		2009	2010	2011	2012	2013	2014	2015
Total North Adriatic Ports	Container (TEUs)	1.305.358	1.467.791	1.806.876	1.788.757	1.902.451	2.050.664	2.297.220
	Dry Bulk (ton.)	24.911.511	26.188.347	27.121.971	27.153.276	25.279.281	26.247.139	28.099.715
	Liquid bulk (ton.)	60.029.773	61.429.186	59.066.473	58.903.022	64.282.074	61.672.762	64.361.301
	General Cargo (Ton)	27.734.866	33.660.349	38.156.545	36.421.584	40.310.093	43.461.469	46.155.678
	Total (ton.)	112.676.150	121.277.882	124.344.989	122.477.882	129.871.448	131.381.370	138.616.694

		2009	2010	2011	2012	2013	2014	2015
	Container (TEUs)	369.474	393.913	458.363	429.893	446.591	456.068	560.301
	Dry Bulk (ton.)	6.321.611	6.425.703	6.608.355	6.458.942	6.542.113	7.001.983	7.332.689
Venice	Liquid bulk (ton.)	11.674.399	11.928.847	11.210.813	11.113.184	9.945.840	6.889.980	8.953.918
	General Cargo (Ton)	7.202.168	8.035.208	8.502.533	7.803.708	7.923.424	7.887.095	8.817.611
	Total (ton.)	25.198.178	26.389.758	26.321.701	25.375.834	24.411.377	21.779.058	25.104.218

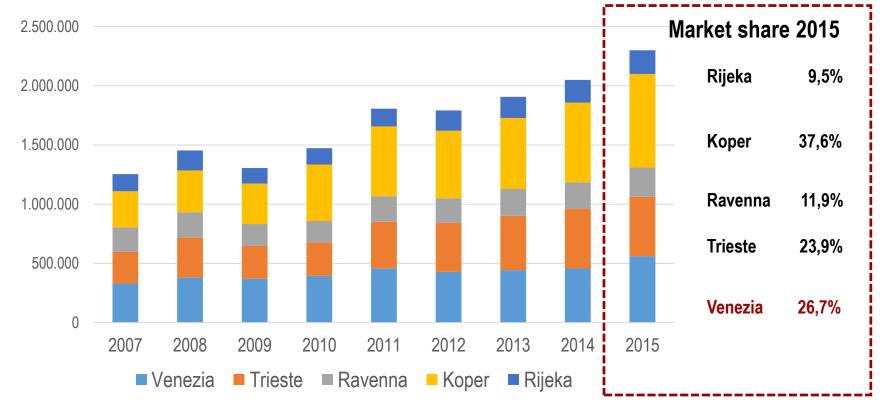








North Adriatic Ports Traffic Growth: container sector



TEU	2007	2008	2009	2010	2011	2012	2013	2014	2015
Venezia	329.512	379.072	369.474	393.900	458.363	429.893	443.000	456.068	560.439
Trieste	267.854	338.299	277.245	281.629	393.195	411.247	458.497	506.011	501.276
Ravenna	206.580	214.324	185.022	183.053	215.336	208.152	226.879	222.548	249.000
Koper	305.648	353.880	343.165	476.731	589.314	570.744	600.000	674.033	790.000
Rijeka	145.040	168.761	130.740	137.048	150.677	171.945	177.898	192.004	200.000
Total	1.254.634	1.454.336	1.305.646	1.472.361	1.806.885	1.791.981	1.906.274	2.050.664	2.100.715

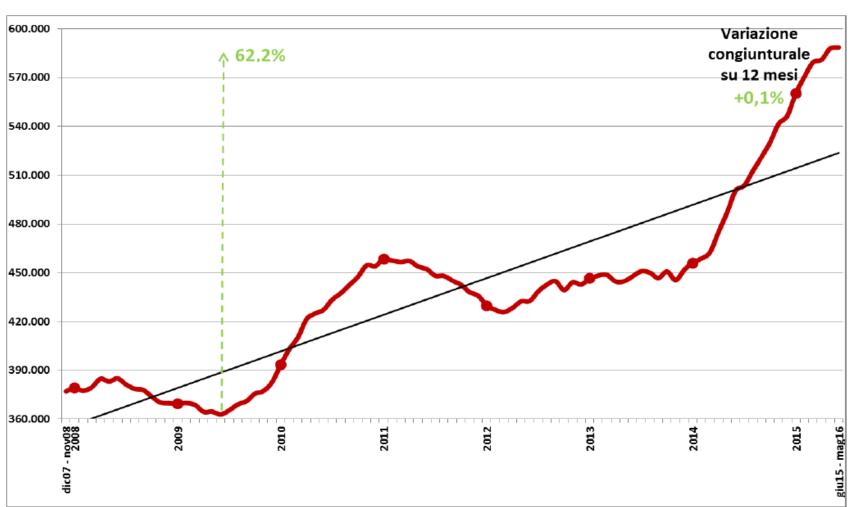








Venice Container Port Figures









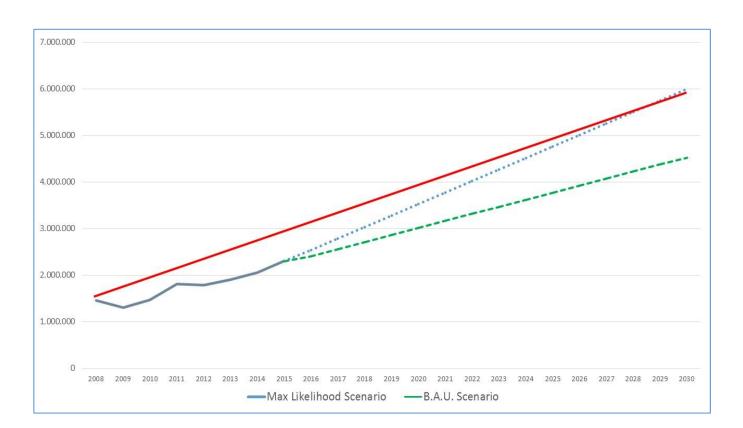


North Adriatic Ports Container Traffic Forecasts

The red line identify the trend towards the 6 million TEU target by 2030.

The two lines covering the period 2016-2030 are two TEUs throughput forecasts, specifically:

- Green: Business as Usual, is the traffic forecast based on the present market situation;
- Blue: Max Likelihood is the traffic forecast as result of the infrastructure development for increasing the ports' capacity











North Adriatic:

One sea, two markets











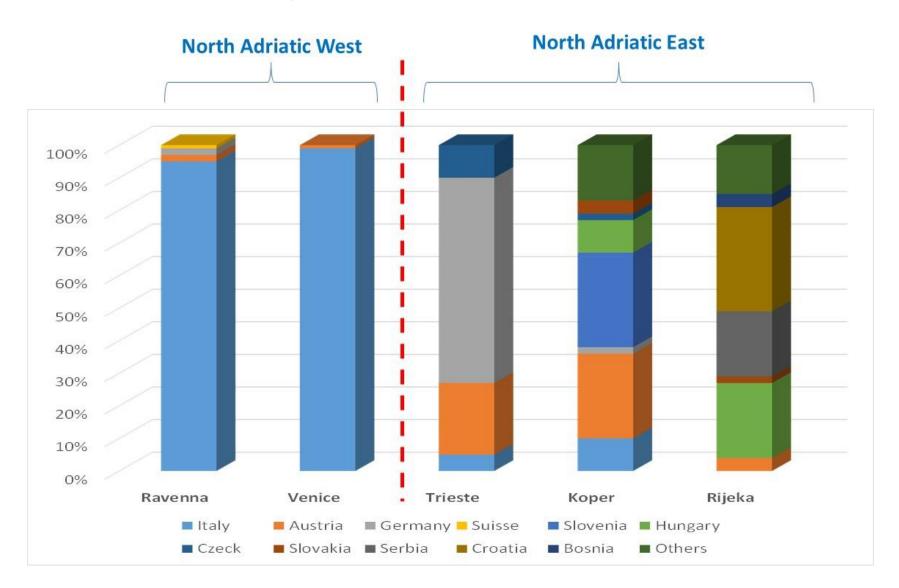








North Adriatic: one sea, two markets













North Adriatic Ports:

Combining

traditional and innovative

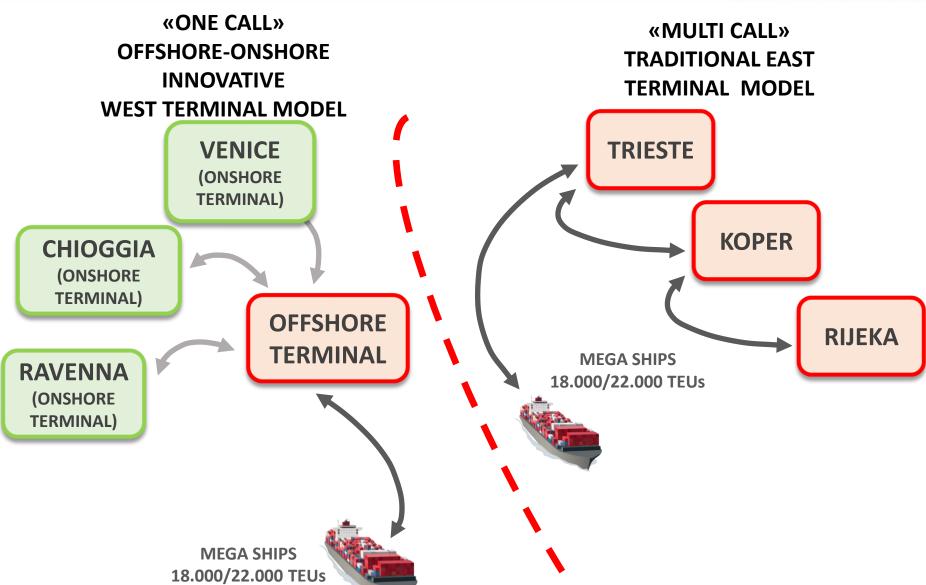
terminal operational schemes



















North Adriatic Ports: Infrastructure Developments



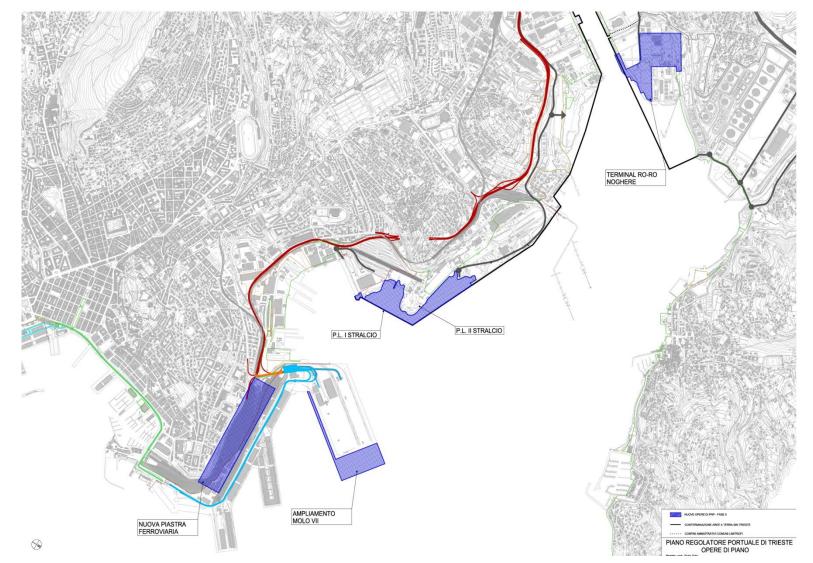






Adapting for the «multi-call» traditional model

Future actions and investments: Port of Trieste











Adapting for the «multi-call» traditional model

Future actions and investments: Port of Koper





Construction of port facilities to support the development of container traffics supported by intermodal infrastructure; new capacity **1,3 million TEU/year**



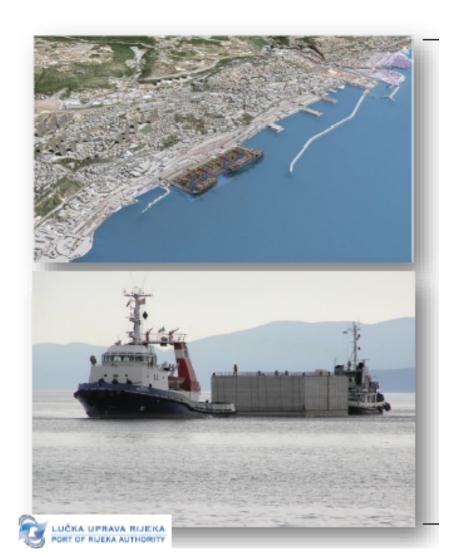






Adapting for the «multi-call» traditional model

Future actions and investments: Port of Rijeka



Construction of the new container terminal Zagreb pier involves the total area of the future container terminal of 25 hectares will be composed of approximately 10 ha of new areas that will be created by embanking the seashore









North Adriatic Ports:

the innovative

Venice Offshore Onshore Port System











Adapting to the «one-call» offshore-onshore innovative model:

Port of Venice













Adapting to the «one-call» offshore-onshore innovative model: Port of Venice

Offshore container and energy terminal













Adapting to the «one-call» offshore-onshore innovative model: Port of Venice

Breakthrought innovations: Mama Vessel and Cassettes













THANK YOU FOR YOUR ATTENTION!

Prof. Paolo Costa President Venice Port Authority