

Port de Barcelona:

*Towards a more efficient and sustainable European logistics model:
The role of Mediterranean ports*

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Port de Barcelona



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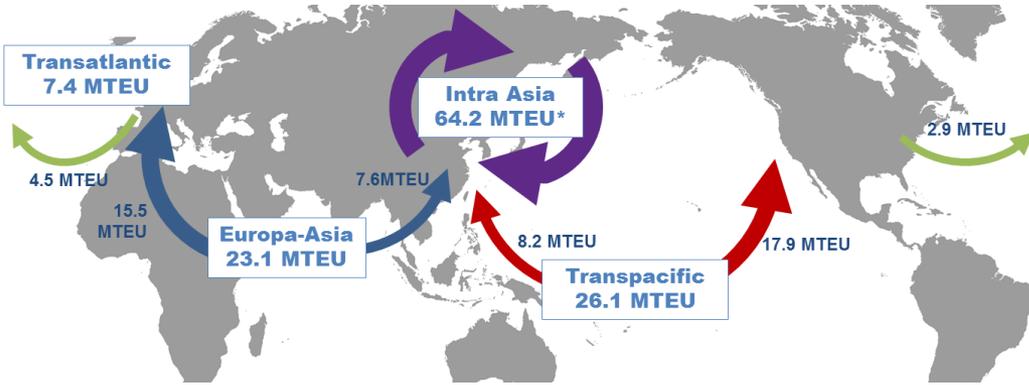
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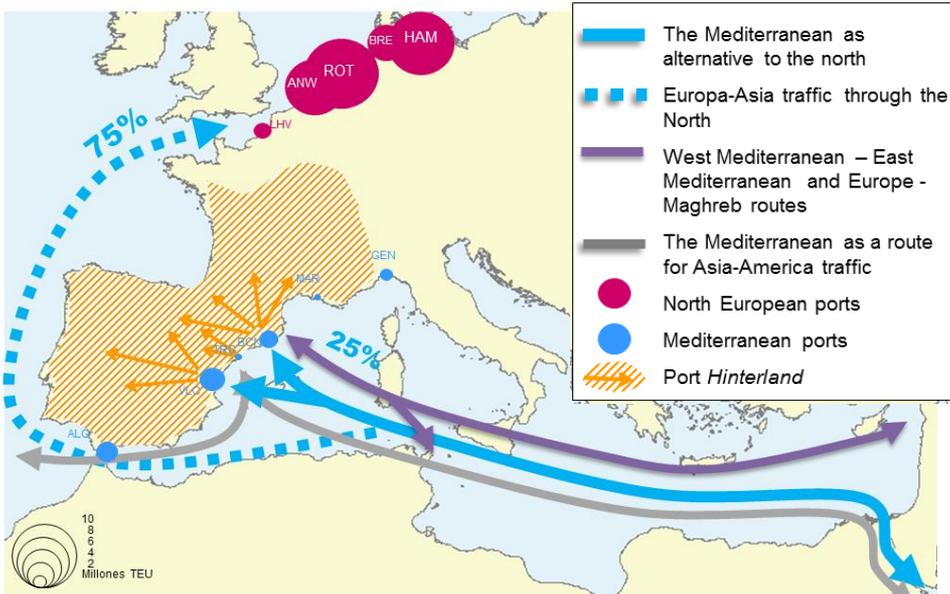
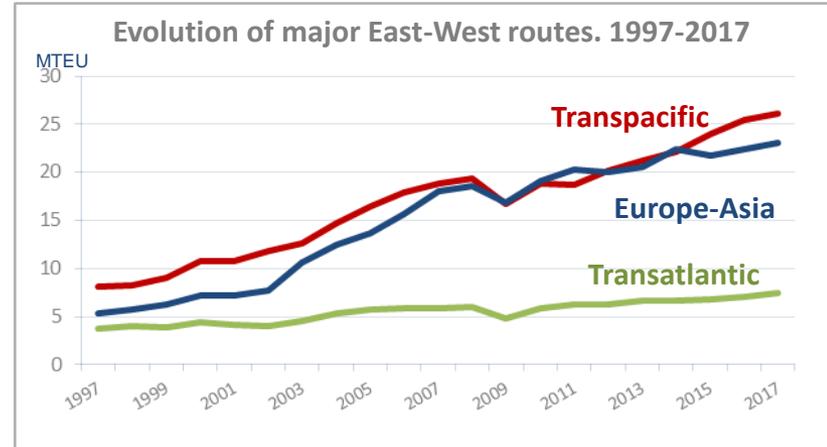
Present and future challenges



The role of Mediterranean ports in a sustainable and more efficient logistics



Source: UNCTAD, Review of maritime transport 2017. *Drewry Maritime Research 2017 (2016 Data)



Advantages of Mediterranean ports:

- Reduction of navigation days, CO₂&NOx emissions. Reduction of emissions up to 20% aprox in the Far East-Europe route
- Reduction of logistics costs
- Slows steaming: better transit time through the Mediterranean
- Reduction of congestion in Northern European infrastructures
- Take advantage of the Mediterranean and North and West African potential
- Improved infrastructures to berth the biggest containerships.



What does BARCELONA offer as an Euro- Mediterranean distribution center?

Biggest industrial & consumption in the MED & Southern Europe



Distribution capacity to Europe/MED/Africa



Logistics specialization

packaging REVERSE LOGISTICS specialised transport services
E-FULFILMENT CLASSIFICATION
JISGPS tracking GHS regulations
AIR REAL-TIME INVENTORY SYSTEMS
GROUPAGE IRONING SUPPLY
 ONLINE TRACK & TRACING
supply chains handling and storage
 RE-BRANDING
REPAIRS PICKING replacement
TAPA security system DELIVERY AND CONSOLIDATION
 ACCESSORIES
PDI handling of fragile goods
WAREHOUSING security regulations
 labelling perching fashion logistics
 (ISO 9001, ISO 14001, OHSAS 18001)
CLP spare parts management
VEHICLE PERSONALIZATION
 distribution transport on hangers
JIT
delivery outlets CUSTOMER ORDERS RECEPTION

An integrated logistics hub with port, airport and logistics facilities





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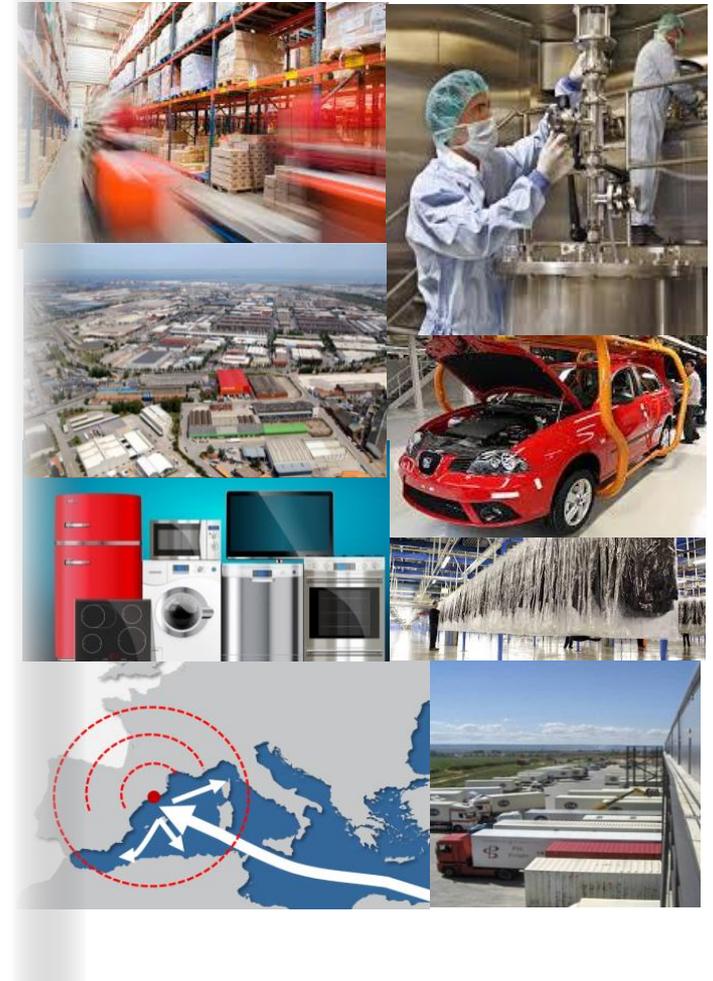
Present and future challenges



The Port of Barcelona's mission

“ To contribute to the competitiveness of the customers of the Port by providing efficient services responding to their needs for maritime transport, land transport and logistics services ”

1. **Competitiveness of shippers, industries, logistics operators & shipping lines.**
2. **Attraction of new industries & distribution centers.**





Connectivity: efficient maritime connections with foreland & Mediterranean

Weekly connections with all main world ports

Regular, frequent & direct container services

➤ Main maritime routes from Barcelona (direct container services):

MAIN MARITIME ROUTES	Number of services from / to Barcelona
Europe – Far East	4
Europe – Indian Subcontinent	2
Europe – Middle East	10
Europe – Africa	26
Europe – North America	8
Europe – Central & South America	9
Mediterranean	47

Almost **100** regular shipping lines
Operated by **54** shipowners
connecting Barcelona with **209** ports



Network of maritime services in the Mediterranean

Container liner services in the Mediterranean

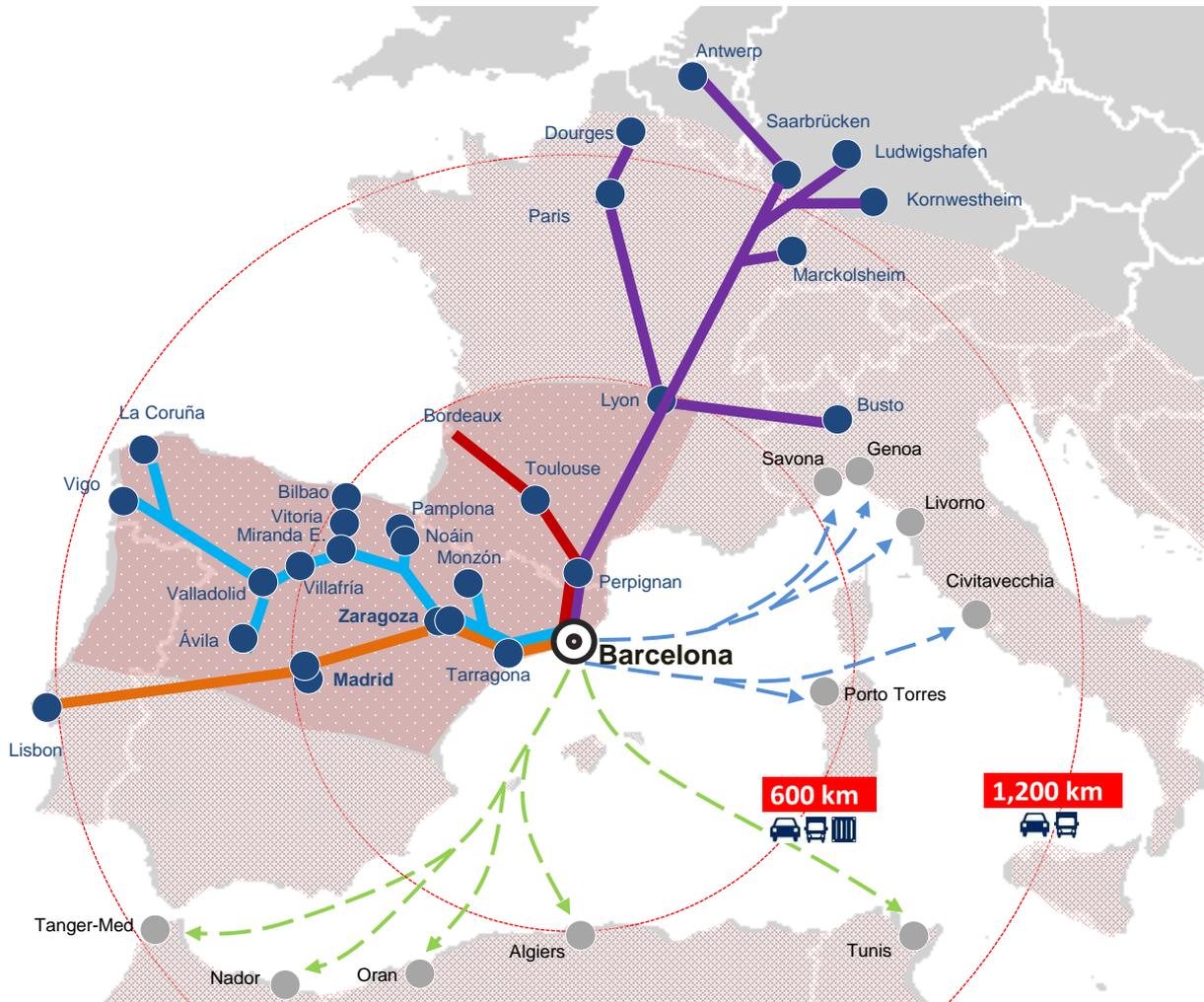


Short Sea Shipping & Ro-Ro & Multipurpose services





Location of Port of Barcelona customers and hinterland



Port of Barcelona

Hinterland

Containers, finished vehicles and trailers

Finished vehicles and trailers

Intermodal terminals connected to the port by rail (containers and vehicles)

Ports currently connected to the port by Motorways of the Sea

Strategic corridors

- Iberian North Western
- Iberian Central
- Southern France
- Central European
- Motorways of the Sea with Maghreb
- Motorways of the Sea with Italy



Competitive logistics chain through the Port of Barcelona

China



Barcelona



Madrid



World

Saturday

08:00

Container ship arrives at the Port of Barcelona. Containers are unloaded and transferred to the train (Sunday 01:00)

Sunday

06:00

Cargo train leaves the Port destination Madrid

Sunday

16:00

Cargo train arrives to Azuqueca intermodal terminal (Guadalajara, Madrid)

18:00

Trucks pick up containers and transport them from the terminal to the nearby distribution centre In Madrid

Monday

10:00

From the distribution center the pieces of clothing are shipped throughout the world





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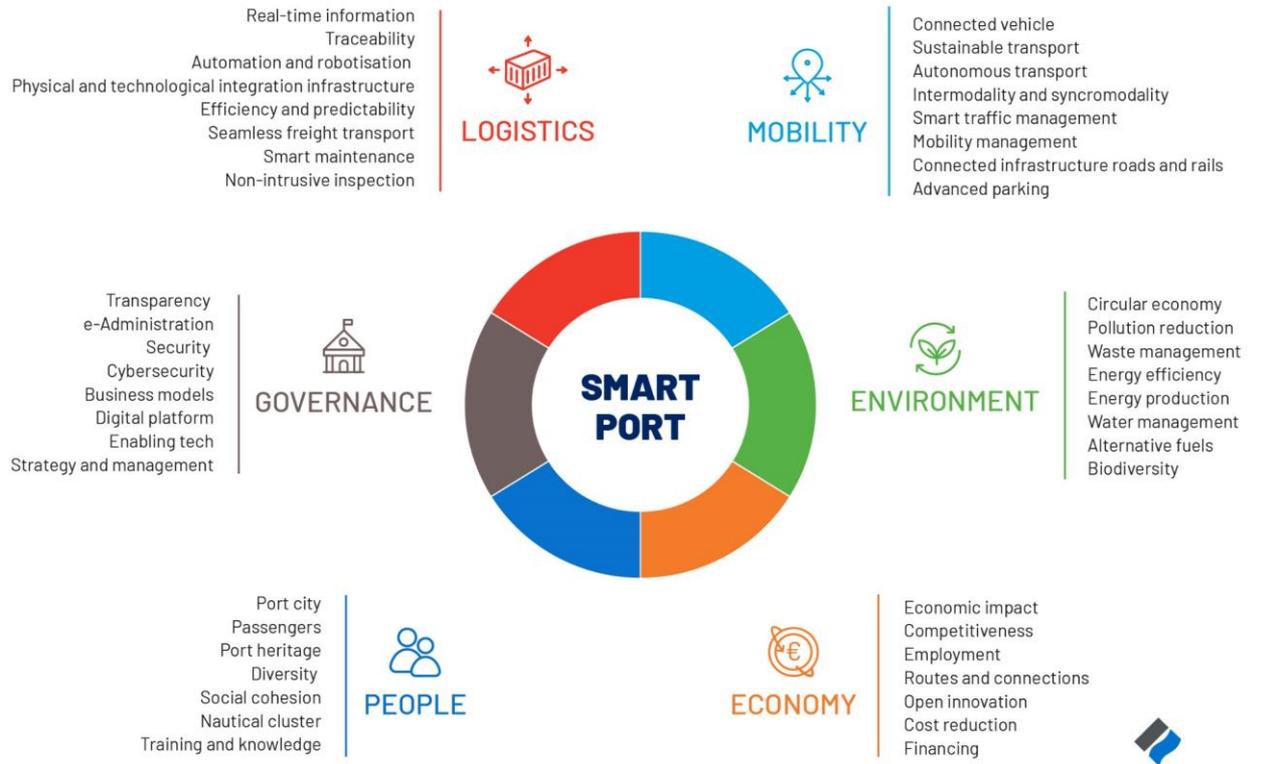
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Present and future challenges



What are the challenges in an end to end supply chain driven market which need to be considered?

Digitalisation





What are the challenges in an end to end supply chain driven market which need to be considered?

Sustainability

Reduce the environmental impact of port activity in the Port area and its vicinity

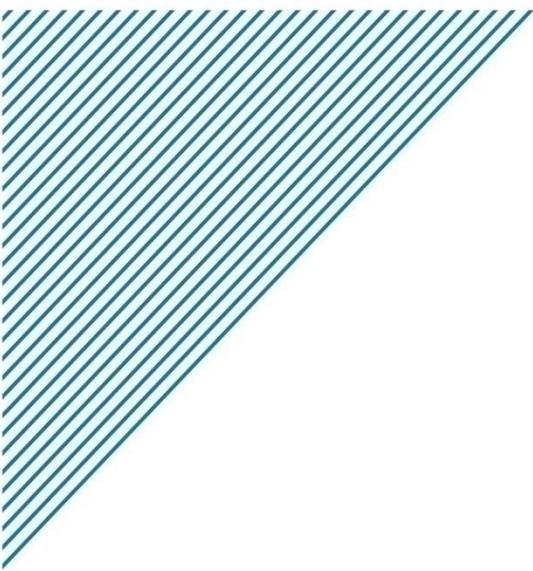
- *Improve air quality: electrification, more sustainable fuels(LNG), multimodality, energy generation and smart grids)*
- *Improve the quality of ports waters*
- *Make efficient use of resources*
- *Prevent soil contamination*
- *Generation of renewable energy*



Increase the sustainability of the supply chain that uses the Port

- *Promote more sustainable forms of transport*
- *Reduce the carbon footprint of port activities*
- *Promote the use of alternative fuels for the different forms of transport: LNG*





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Thank you.

