

SESSION 6

Motorways of The Sea – How Mediterranean Ports Play a Significant Role in Improving Access to Markets Throughout Europe And in Creating an Efficient Regional Transportation Hub



Autoridad Portuaria de Valencia

# Improvements That Create a Modern And Efficient Regional Transportation Hub

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Head of Business Intelligence  
Commercial & Business Development

**Mediterranean  
Ports and Shipping 2021**

THE WESTIN VALENCIA, SPAIN  
TUESDAY 5 TO THURSDAY 7 OCTOBER 2021



- 1. Valenciaport's Specialty: Liner Shipping**
- 2. The role of Valenciaport in the Spanish Ports System**
- 3. Infrastructure: 12 Ro-Ro & Multipurpose Terminals**
- 4. Ro-Ro Connectivity & Main Figures (Tons + Units)**
- 5. MoS links between Valenciaport and Italy**
- 6. MoS links in Spain: Mediterranean Vs the Atlantic Coasts**
- 7. Improvements of MoS: Sustainability + Connectivity + Interoperability**

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# 1. VALENCIAPORT'S SPECIALTY: LINER SHIPPING

- **Sagunto:** ± **75%** Bulk shipping
- **Gandía:** ± **90%** Breakbulk & Leisure

- **Valencia:** ± **95%** Commercial & Leisure (Liner Shipping)



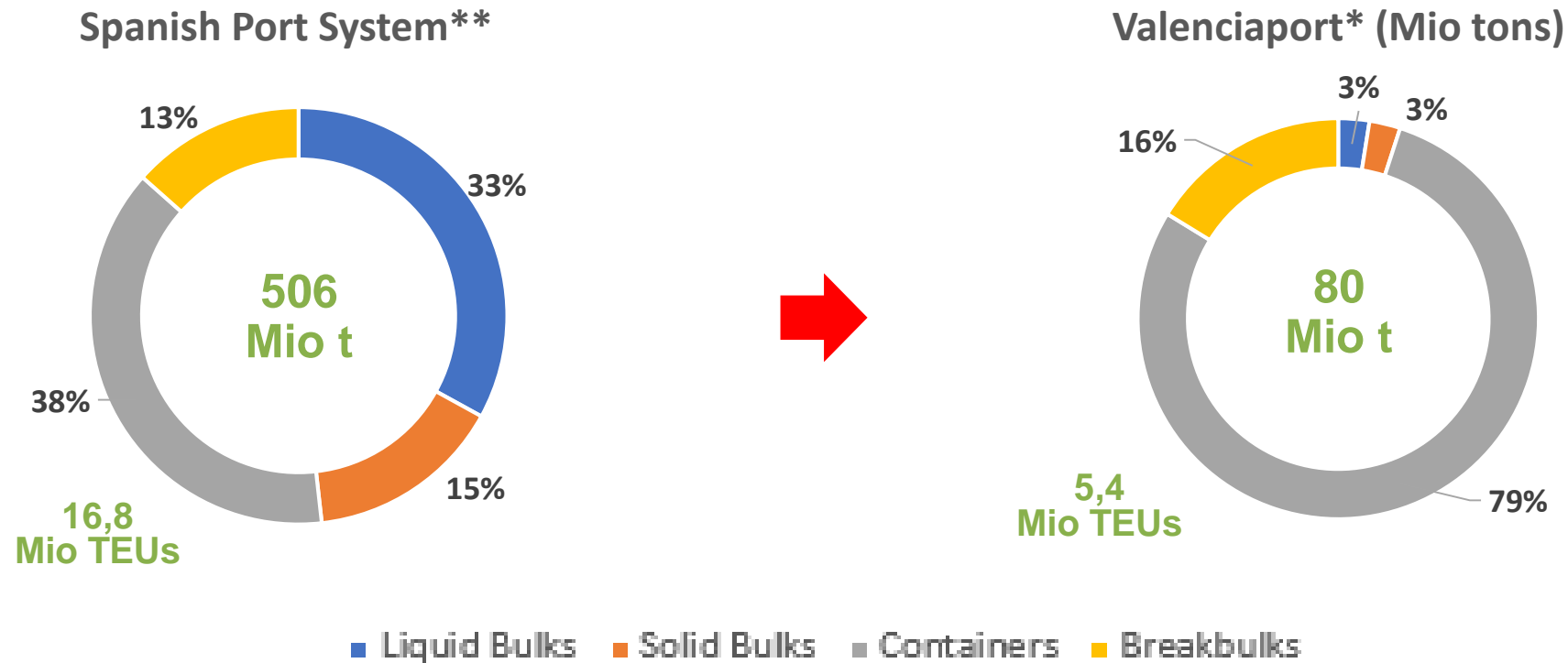
Source: UNCTAD and Port Authority of Valencia

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# 1. THE ROLE OF VALENCIAPORT IN THE SPANISH PORTS SYSTEM

## Valenciaport from a perspective of the Spanish Port System

Total Throughput 2020 (Mio tons)



**Containers and breakbulk cargoes comprise 94% of Valenciaport's throughput (52% all Spanish ports)**

\* Includes 3 port's throughput (Valencia + Sagunto + Gandía)

(\*\*) 28 port authorities and 46 ports.

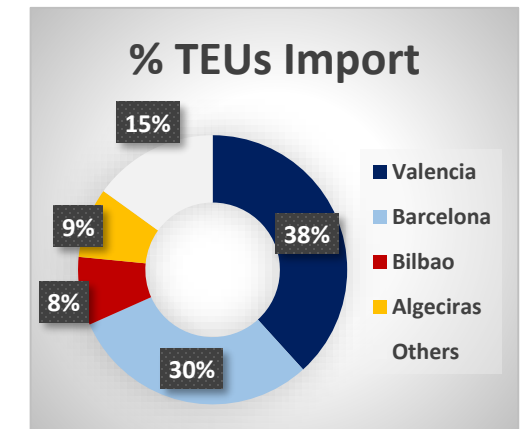
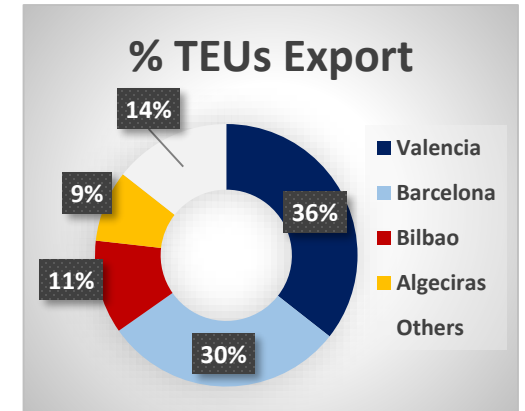
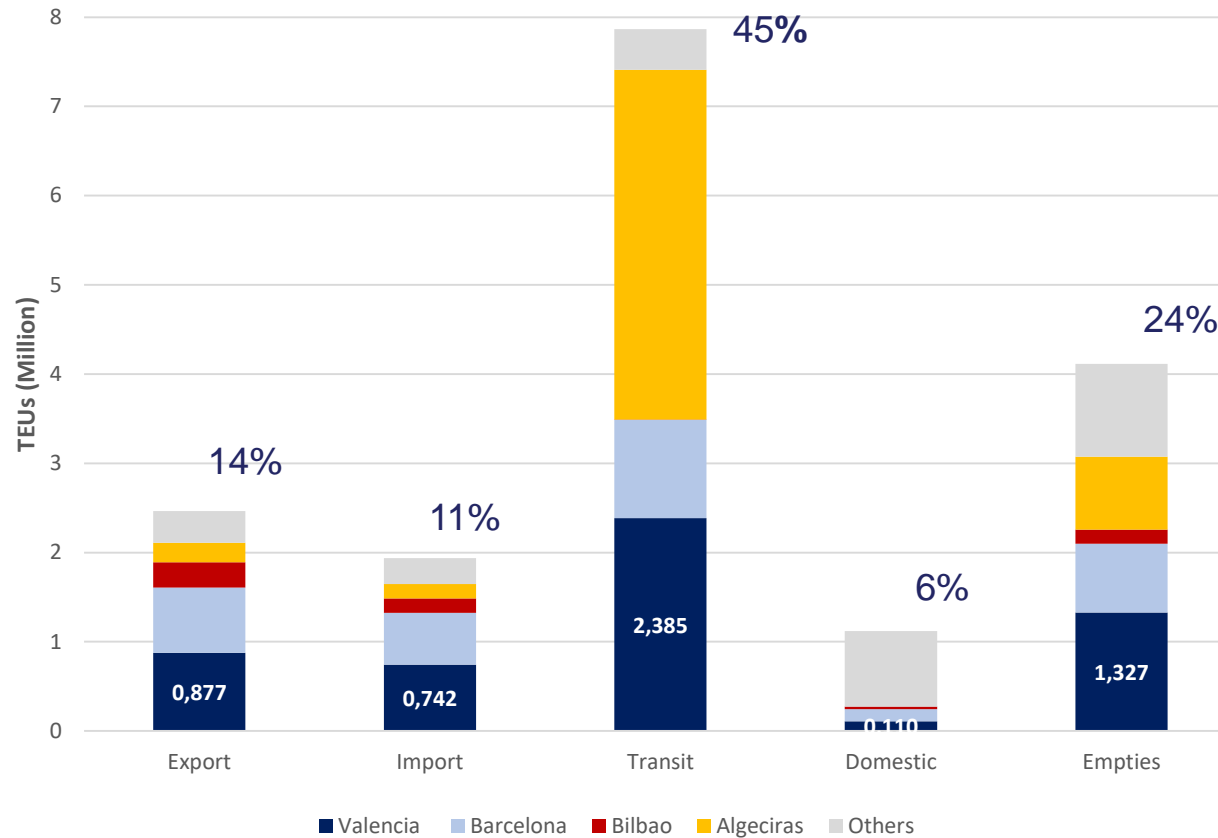
# 1. THE ROLE OF VALENCIAPORT IN THE SPANISH PORTS SYSTEM

## TEUs Throughput in Spanish Ports (Mio; % <sup>s</sup>/Total 2019)

**17,5 Total**  
(Mio TEUs)

- 7.8 Transit
- 4.1 Empties
- 2.5 Export**
- 1.9 Import**
- 1.2 Domestic

**4.4**  
**Import + Export**  
(Mio TEUs)



**Valenciaport is the Top one port in Import & Export (Full TEUs) with 36% and 38% respectively**

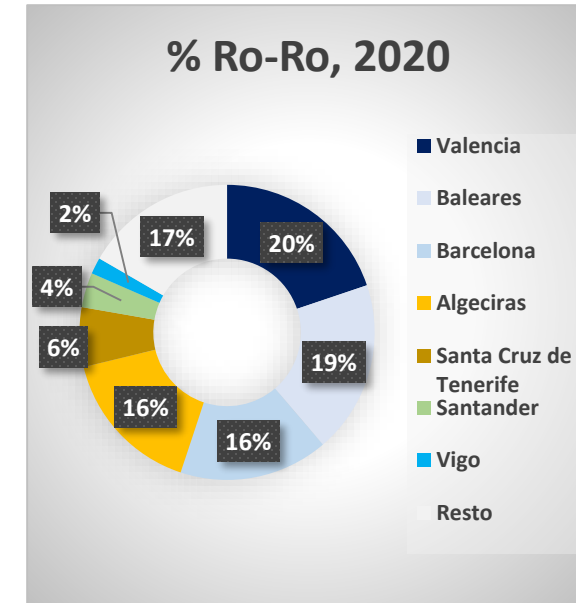
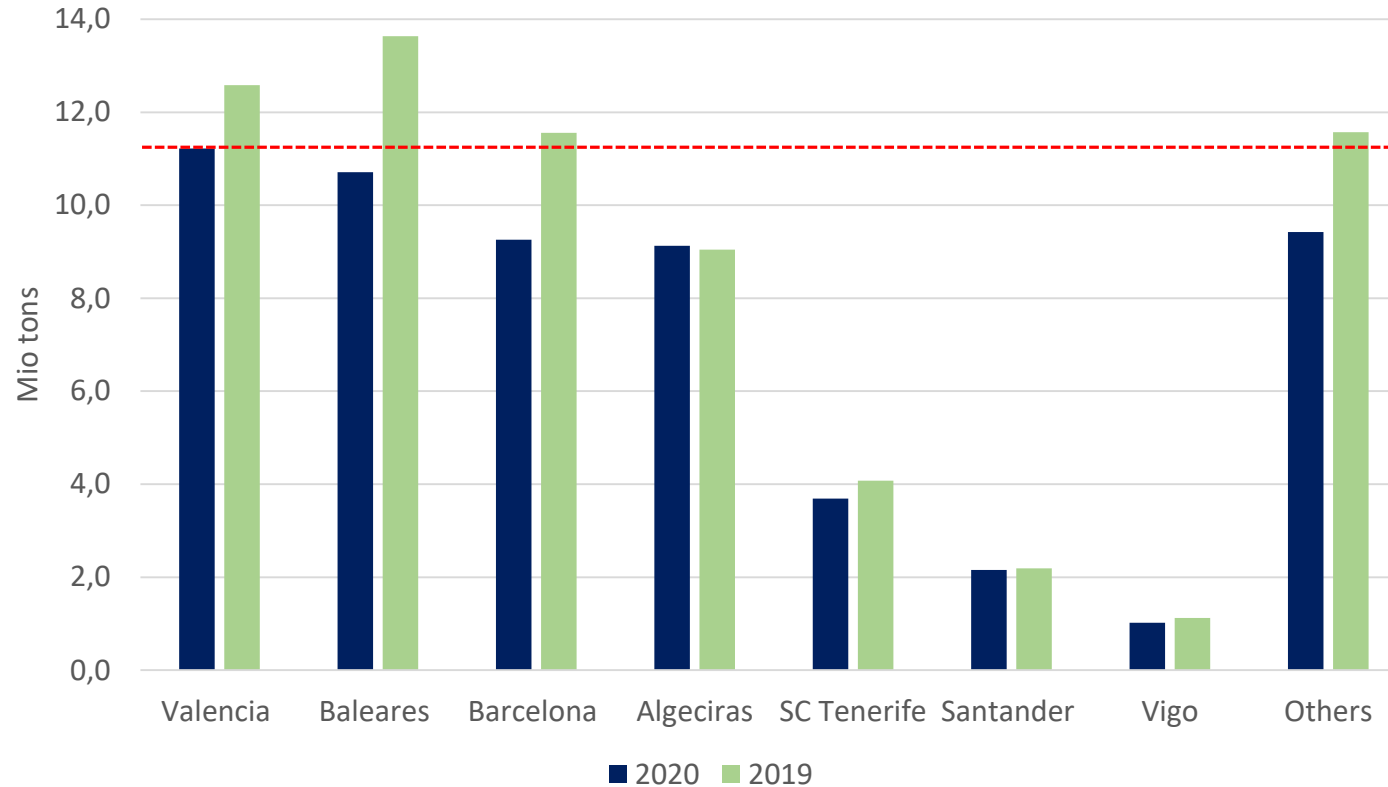
\* Incluye cargas, descargas, tránsitos y transbordos.

(\*\*) Solo turismos, autobuses y camiones.

# 1. THE ROLE OF VALENCIAPORT IN THE SPANISH PORTS SYSTEM

## Ro-Ro Cargo throughput in Spanish ports, 2020-2019

**56.6 Total**  
(Mio Tons)



**Valenciaport holds the biggest market share of Ro-Ro cargo, 20% followed by ports in the Balearic Islands combined**



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### 3. INFRASTRUCTURE: 12 Ro-Ro & MULTIPORPOSE TERMINALS

## Puerto de Valencia

**1** Ro-Ro & Passengers

**2** Ro-Ro, Passengers & Cruises

**3.a** New Vehicles

**3.b** New Vehicles

**4** Ro-Ro & New Vehicles

 Ro-Ro, Passengers & Cruises

**BALEARIA**

**Trasmed**  
Una naviera del Grupo Grimaldi



**BALEARIA**



### 3. INFRASTRUCTURE: 12 Ro-Ro & MULTIPORPOSE TERMINALS

## Puerto de Sagunto




**1** New Vehicles

**2** Ro-Ro & New Vehicles

**3** Ro-Ro, Breakbulks & Cntrs.

**4** Ro-Ro & Breakbulks

**5** Ro-Ro & Breakbulks

 Ro-Ro & Gral. Cargo  
(contest process launched  
and available online\*)



### 3. INFRASTRUCTURE: 12 Ro-Ro & MULTIPORPOSE TERMINALS

## New Multipurpose Terminal (Center Quay 2 in the port of Sagunto)

- Alternative spaces to be included in the concession contract:

	Surfaces (m <sup>2</sup> )
Stacking area	211.000
Maneuver Zona	15.000
Rail Terminal (optional)	30.000

Contest process  
launched in July 2021



### 3. INFRASTRUCTURE: 12 Ro-Ro & MULTIPORPOSE TERMINALS

## Puerto de Gandía

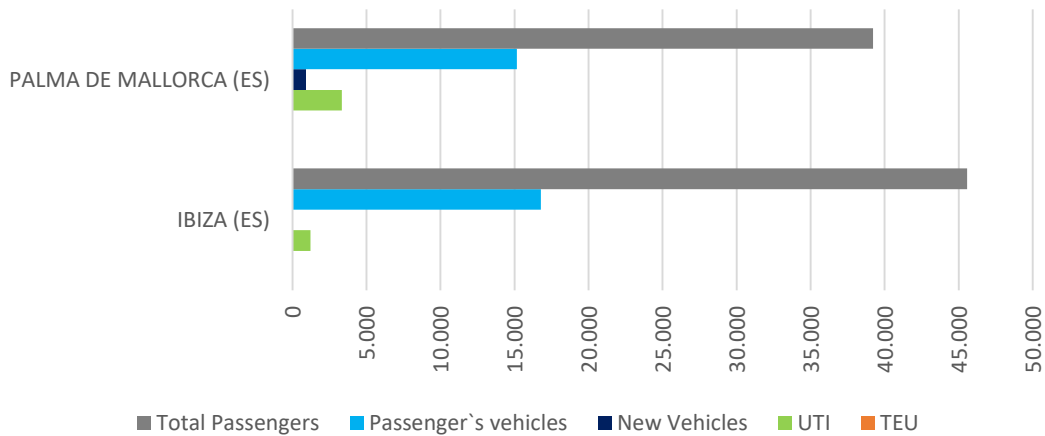
**1** Ro-Ro & Passengers\*



**2** Ro-Ro & Breakbulks



Port of Gandía: Ro-Pax Liner Service to /from Balearic Islands, 2019 (Units)



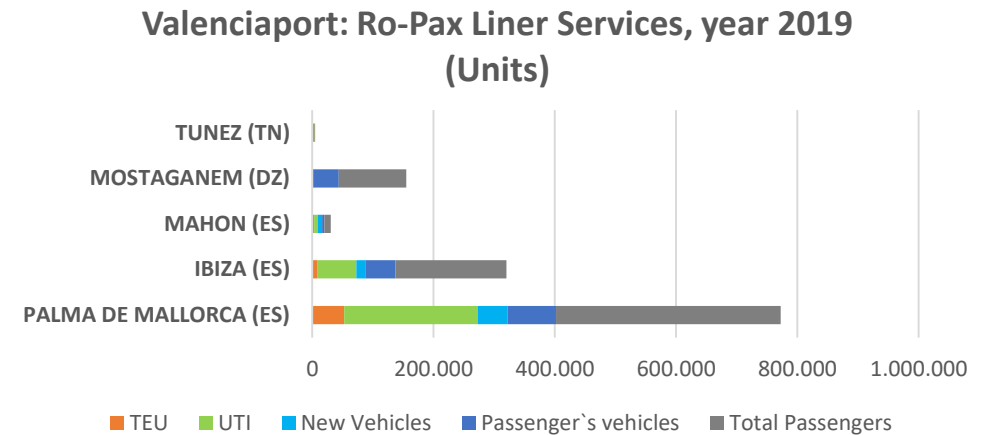
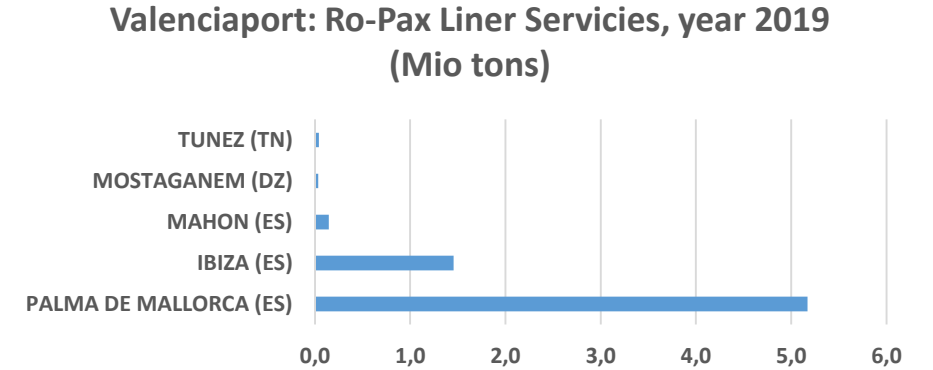
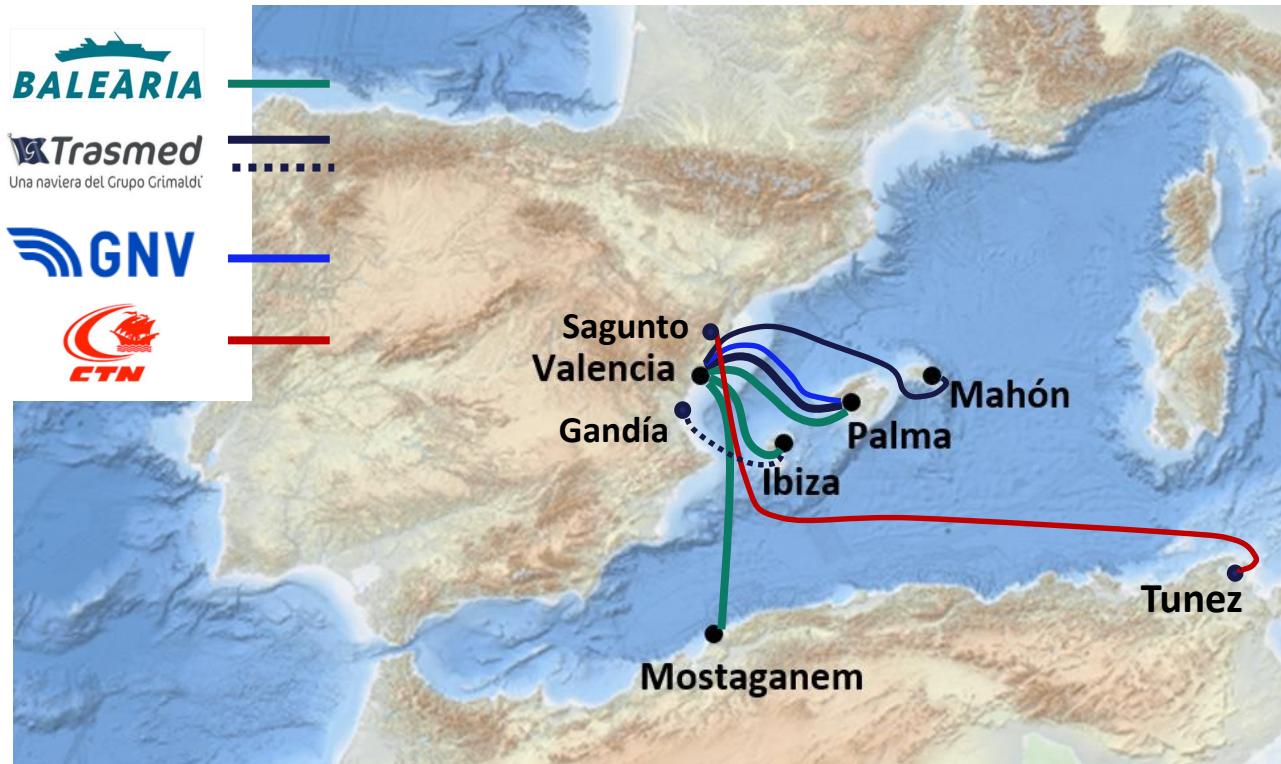
\* Summer Schedule

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## 4. Ro-Ro CONNECTIVITY & MAIN FIGURES

### Valenciaport's Ro-Pax Liner Services; Balearic I. & Third Countries



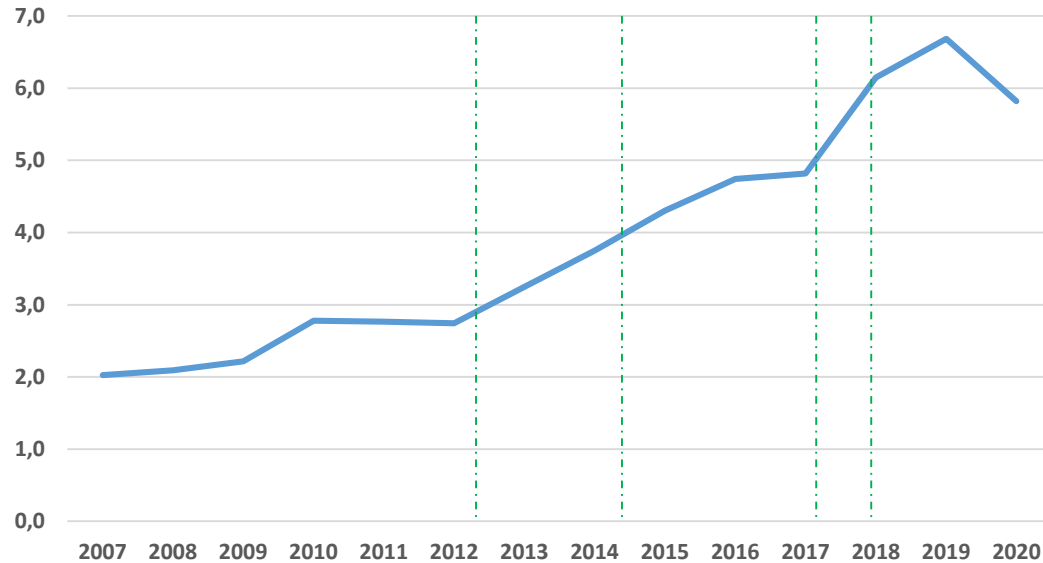
In 2019, the Ro-Pax Valenciaport to/from transported **6.8 Mio t**;  
**+292,000 Trucks** + 71,000 New Vehicles + 69,000 TEUs + 675,000 Pax



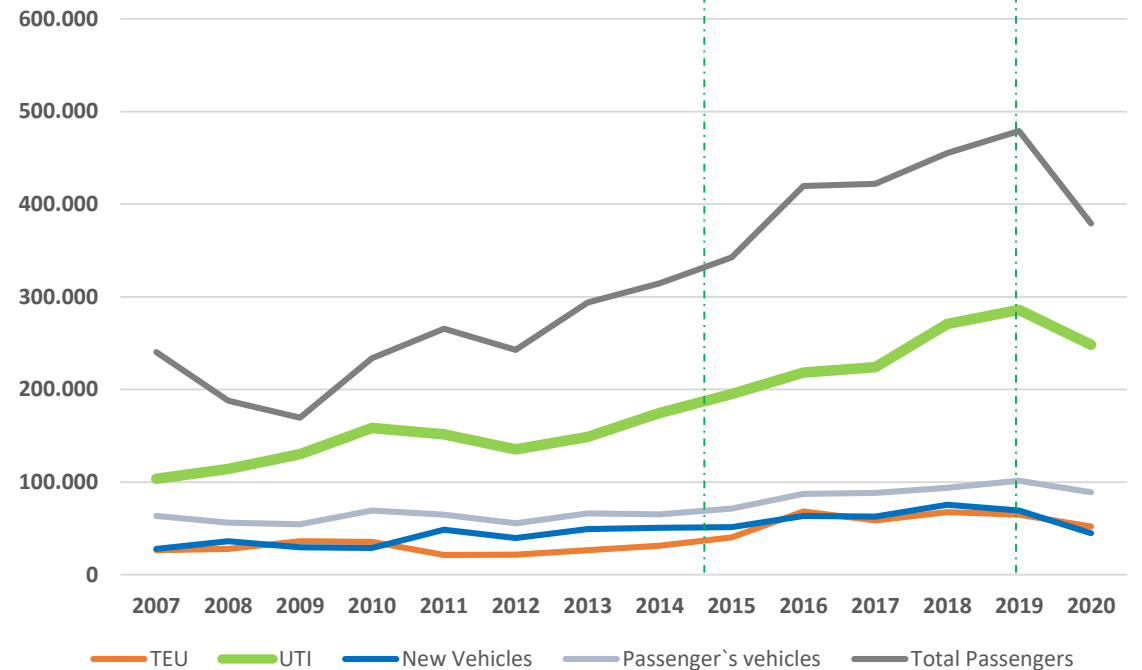
## 4. Ro-Ro CONNECTIVITY & MAIN FIGURES

### Valenciaport's Ro-Pax Liner Services; Balearic I. (Excl. Third Countries)

Port of Valencia: Evolution of Ro-Pax movs. to/from Balearic Islands (Mio tons)



Port of Valencia: Evolution of Ro-Pax movs. to/from Balearic Islands, year 2020 (Units)



In **2020**, the Ro-Pax Liner services to/from Balearic Islands transported **5.8 Mio t**;  
**+248,300 Trucks** + 45,000 New Vehicles + 52,000 TEUs + 379,000 Pax + 89,000 Pax  
 Vehicles

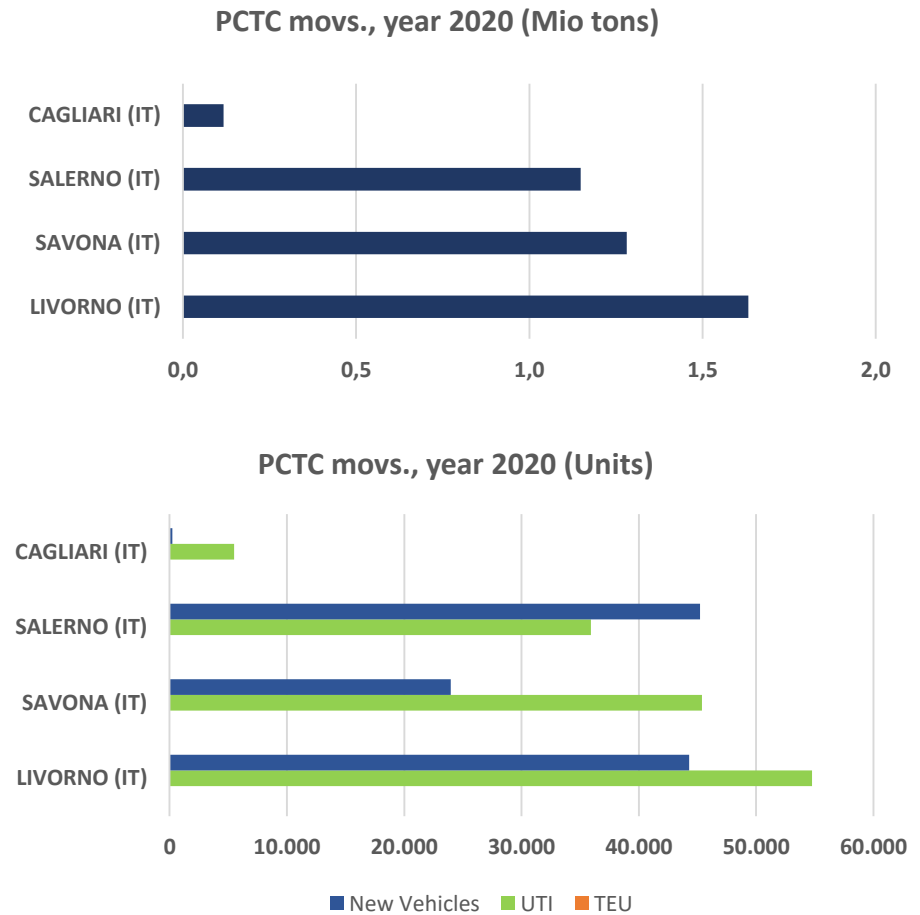
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## 5. MOS LINKS BETWEEN VALENCIAPORT AND ITALY

### Valenciaport`s 2 MoS (PCTC) Liner Services



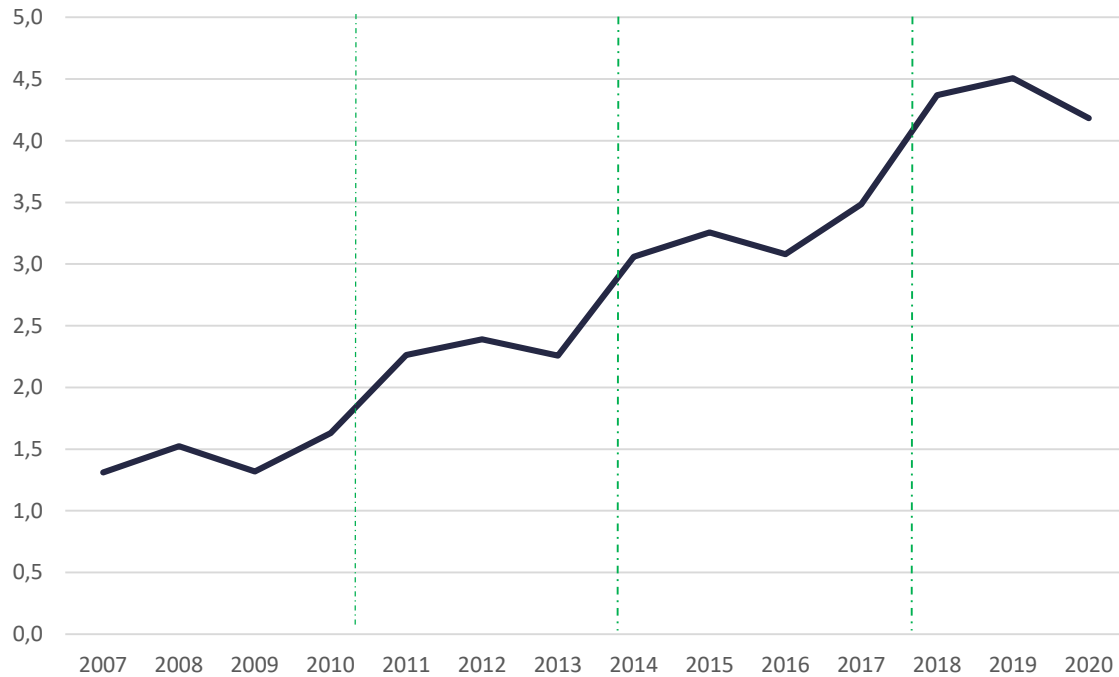
In 2020, the 2 MoS links Valenciaport-Italia transported **4,2 Mio t**;  
**+141.500 UTIs + 114.000 New Vehicles + 45 TEUs + 190 Pax**



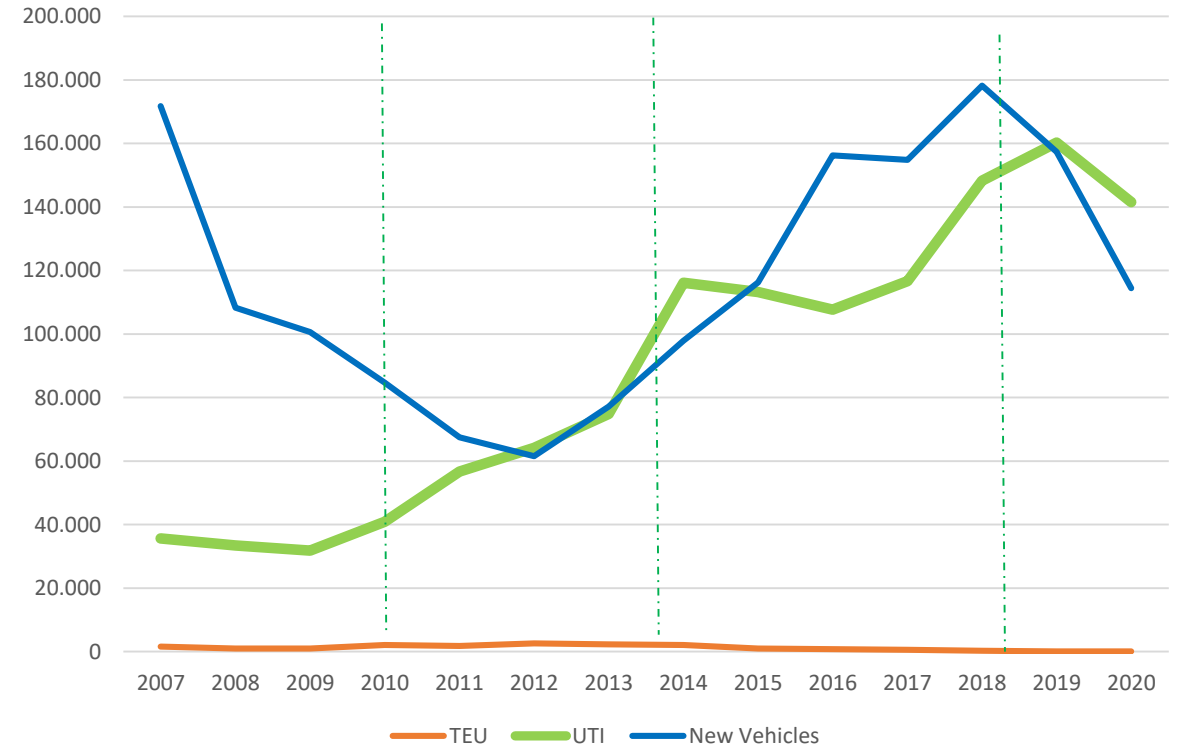
## 5. MOS LINKS BETWEEN VALENCIAPORT AND ITALY

### Valenciaport`s 2 MoS (PCTC) Liner Services

Valenciaport: Evolution of PCTC MoS links with Italy operated by Grimaldi Group (Mio tons)



Valenciaport: Evolution of PTCC MoS links with Italy operated by Grimaldi Group (Units)



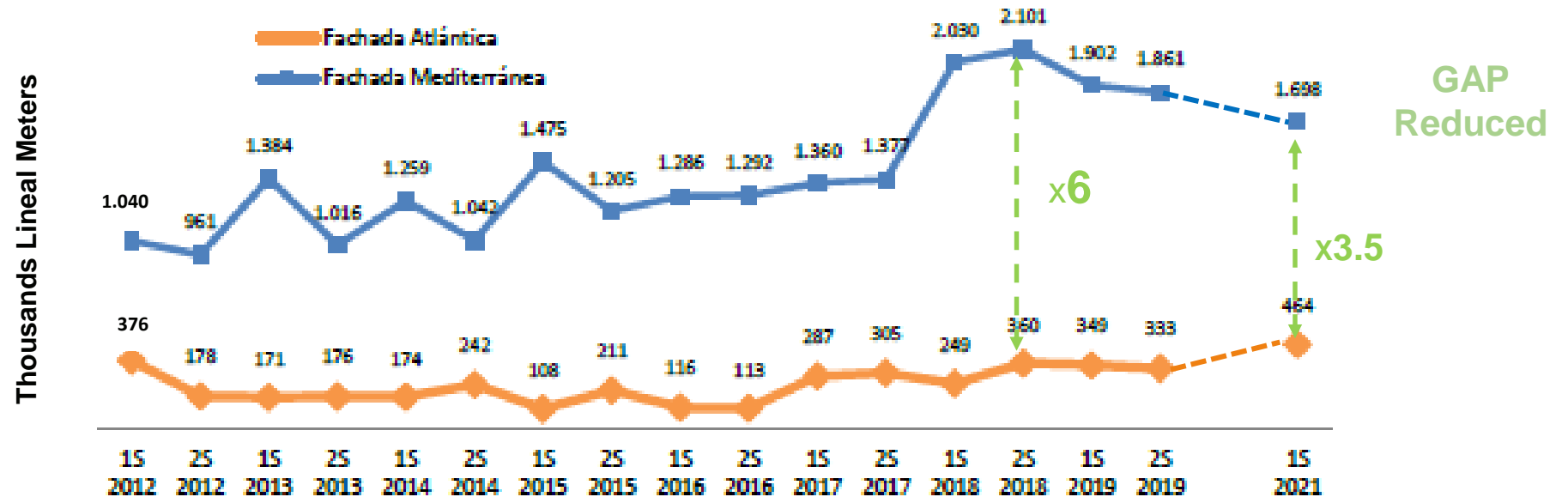
\* Valenciaport = 3 ports (Valencia + Sagunto + Gandía)

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## 6. MoS links in Spain: Mediterranean Vs the Atlantic Coasts

### Evolution of Capacity of MoS Liner Services, 2012-2021-H1

Capacity Atlantic Coast Vs Mediterranean ('000 l.m.)



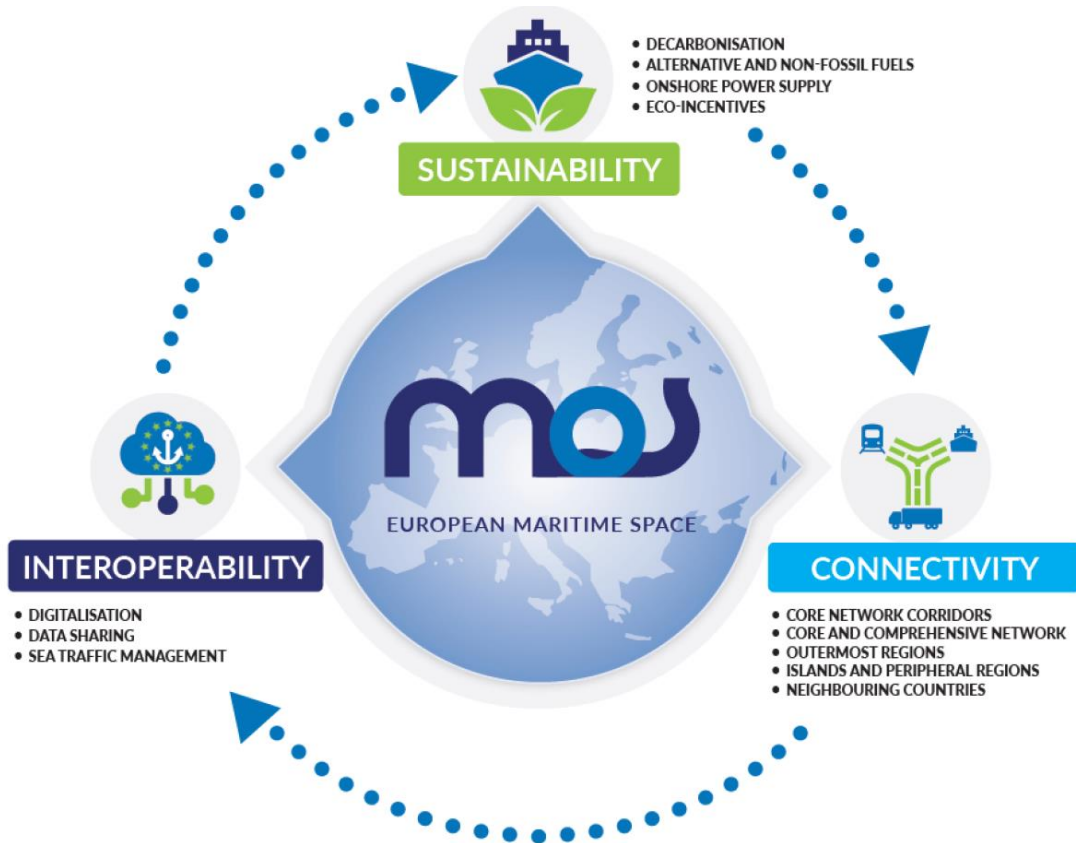
In **2021-H1**, **5 MoS links** were operative in Spain:

- **2 MoS** in Atlantic Coast (2 shipping lines + 10 vessels + 4 ports) → **+39.5%** Capacity 2021-H1
- **3 MoS** in the Mediterranean Coast (1 shipping line + 14 vessels + 6 ports) → **-8,8%** Capacity 2021-H1

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## 7. IMPROVEMENTS OF MoS

# Revision of the TEN-T Regulation (EU) 1315/2013



- Current **(MoS) project requirements** should be strongly facilitated as an equally important transport mode for **intra-European transport** (cargo and passengers).
- Short-sea links **within one Member State** that are **part of a corridor** should be incorporated.
- Enabling and supporting **new initiatives** are needed to reach the EC's objective to increase transport by **SSS** by **25% by 2030** and by **50% by 2050** (compared to 2015 levels), as set out in its **Sustainable and Smart Mobility Strategy**.
- ESPO supports the **extension** of the **TEN-T** network with neighbouring countries (diversification of flows in supply chain / near-shoring). **Maritime connectivity** should be promoted through **investments in European seaports** and further **encouragement of MoS links with third countries**.



## 7. IMPROVEMENTS OF MoS

### New Class Grimaldi Green 5th Generation (GG5G)

The Port Authority of Valencia is committed and aligned with the **European Commission's** objective to reduce by **2030** at least **55% of the emission of greenhouse gases (GHG)** compared to 1990 levels.

The PAV's Strategy towards '**Zero emissions in 2030**' has as main objectives to promote; (i) decarbonization; (ii) circular economy, and; (iii) digital transformation.

Some **iniciatives and projects** are:

- **Onshore Power Supply** (new power substations and grid intallation projected)
- Installation of **onshore wind farms** and **photovoltaic cells** (feasibility studies)
- **Hybrid and electric vehicles** fleet (replacement of current fleet)

**EALING Studies** are the first phase of the Global project "**E**uropean Flagship **A**ction for **C**old **I**roning in ports" (EALING) that aims at accelerating the effective deployment of Onshore Power Supply (**OPS**) solutions in the EU maritime ports, including the Action "**EALING Works Valenciaport**" and a further phase to implement at least **30** installations in at least **16 EU ports** of the Consortium.



## 7. IMPROVEMENTS OF MoS

### New Class Grimaldi Green 5th Generation (GG5G)



SUSTAINABILITY



24th Nov 2020 / Inaugural call of M/V: “ECO VALENCIA”

“Zero Emission in Port®” during port stay by using vessel’s electricity produced from **lithium batteries** and **photovoltaic cells** installed on board (600 m<sup>2</sup>).



classe/class **EUROCARGO VALENCIA** unità/units **1**

Lunghezza metri / Length meters	195
Stazza lorda tonn. / Gross Tonnage tonnes	29.412
Velocità di crociera nodi / Service speed knots	20
Capacità auto/van unità/ Car/van capacity units	1.000
Capacità rotabili metri lineari/ Ro-Ro capacity linear meters	2.500
Capacità container TEU / Container capacity TEU	64
Capacità rampa tonn. / Ramp capacity tonnes	65



classe/class **ECO VALENCIA** unità/units **5**

Lunghezza metri / Length meters	238
Stazza lorda tonn. / Gross Tonnage tonnes	67.311
Velocità di crociera nodi / Service speed knots	19,00
Capacità rotabili metri lineari/ Ro-Ro capacity linear meters	7.800

## 7. IMPROVEMENTS OF MoS

### Balearia & LNG



SUSTAINABILITY



**2019 Dec 29<sup>th</sup> M/V “Hypatia de Alejandria”, LNG test in Valenciaport of new bunkering system “Multi Truck To Ship” (MTTS). This system reduce time of operation (2 GNL trucks discharged in 55 minutes) and can be in use simustaneously with loading Operations of passengers and rolling cargo.**

## 7. IMPROVEMENTS OF MoS

# Extension of the TEN-T Network: Core & Comprehensive



### CONNECTIVITY

Baltic Adriatic

North Sea - Baltic

Mediterranean

Orient/East - Med

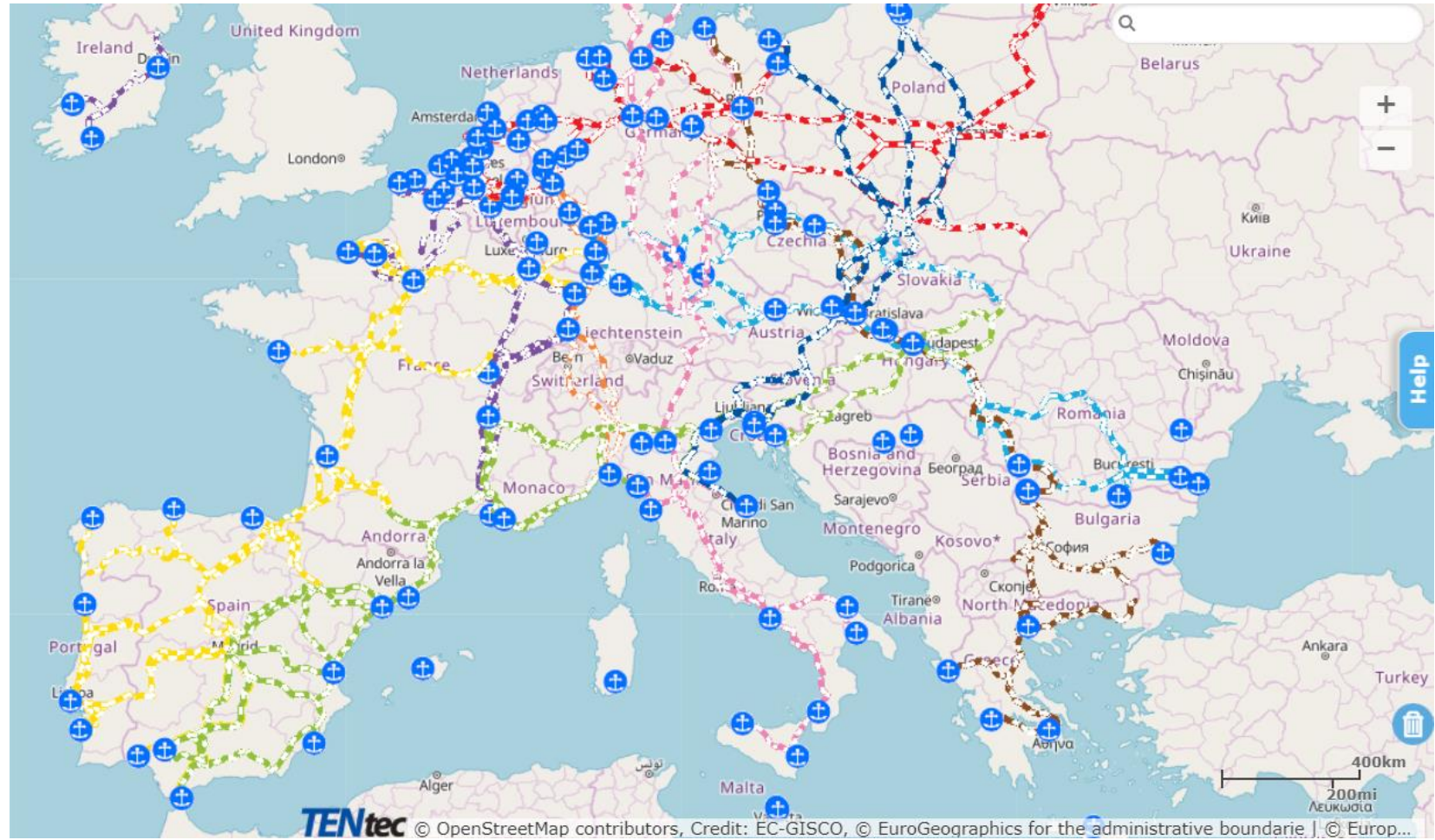
Scandinavian - Mediterranean

Rhine - Alpine

Atlantic

North Sea - Mediterranean

Rhine - Danube



## 7. IMPROVEMENTS OF MoS

# Extension of the TEN-T Network: Core & Comprehensive



CONNECTIVITY

Baltic Adriatic

North Sea - Baltic

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Orient/East - Med

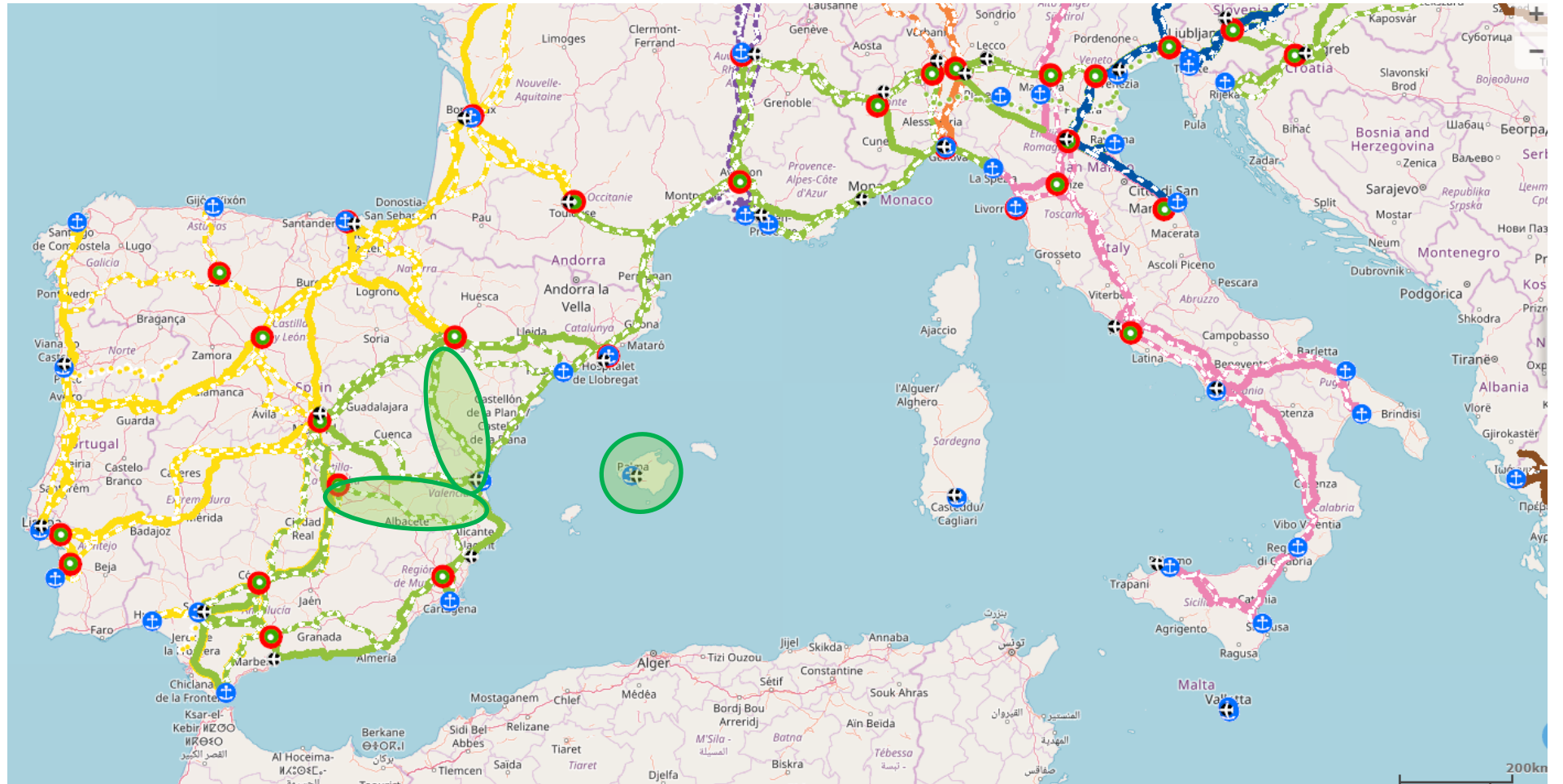
Scandinavian - Mediterranean

Rhine - Alpine

Atlantic

North Sea - Mediterranean

Rhine - Danube



## 7. IMPROVEMENTS OF MoS

# Digitalization + Data Sharing + Sea Traffic Management



INTEROPERABILITY



APP for eCMR / ASTIC

19<sup>th</sup> feb 2019

Trans Italia y Grimaldi proganists of the first eCMR used for intermodal transport in Europe

valenciaport PCS  
PORT COMMUNITY SYSTEM



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Thank you for  
your attention

Valencia, 7<sup>th</sup> October 2021

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GOBIERNO  
DE ESPAÑA

MINISTERIO  
DE TRANSPORTES, MOVILIDAD  
Y AGENDA URBANA

Puertos del Estado

