

Medports Training course

# DECARBONIZATION

Ports towards  
transformation to  
new international  
standards.



Ports towards transformation to new international standards.

UCA-SEA Innovation Center, Algeciras. Spain

14<sup>th</sup> October

## PORTS TOWARDS TRANSFORMATION TO NEW INTERNATIONAL STANDARDS.

- 09.00** Opening.  
*Algeciras Bay Port Authority / University of Cádiz*
- 09.45** Topic 1: International Maritime Organization.  
*Federico Navarro. Sustainability & Maritime Pollution Coordinator. Spanish Maritime Administration Authority (DG Marina Mercante).*
- 10.30** **Coffee break.**
- 11.00** Topic 2: OPS & Energy Transition.  
*José María Reyes Sarmiento. ENDESA*
- 11.45** Topic 3: Alternative fuels and public transport.  
*Juan Pablo Pérez. Algeciras Bay Port Authority*
- 12.30** Topic 4: Port competitiveness and the Impact of decarbonization.  
*M<sup>a</sup> del Mar Cerbán. University of Cádiz*
- 13.15** Topic 5: Algeciras Port.  
*Luis Núñez. Algeciras Bay Port Authority*
- 14.00** **Lunch.**
- 15.00** Visit to Total Terminal International Algeciras.
- 15.30** Visit to APM Terminals Algeciras.

15<sup>th</sup> October

## DECARBONIZATION & GREEN TRANSITION.

- 09.00** Topic 6: EU sustainability strategies.  
*Miguel Núñez. Permanent Representation of Spain in the European Union*
- 09.45** Topic 7: Positive Motion Strategy.  
*Nuria Bargeño. CEPSA*
- 10.30** **Coffee break.**
- 11.00** Topic 8: Hydrogen and decarbonization policies.  
*José Manuel Pérez Rodríguez. EDP*
- 11.45** Topic 9: Green Corridors & new fuels logistics.  
*Pablo Mendoza Villafuerte. European Commission DG International Partnerships*
- 12.30** Topic 10: Success stories in Malta Transport Center.  
*David Bujega. Malta Transport Center*
- 13.15** Topic 11: Standards for sustainable ports.  
*Alaa Morsy. Arab Academy for Science, Technology, and Maritime Transport*
- 14.00** **Lunch.**
- 16.00** PORT VISIT. Algeciras Port Facilities.  
*(Port tour depends on the weather conditions)*

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## Course:

This course will provide participants with a comprehensive understanding of international regulations set by the **International Maritime Organization (IMO)** regarding the maritime sector's energy transition, as well as **European Union policies** related to maritime transport, including sustainable practices, emission reduction, and port integration. Participants will gain specific knowledge about the management and operation of the Port of Algeciras, including infrastructure, services, and development strategies. Additionally, the course will cover various **alternative fuels for maritime transport, sustainable port operations, and emerging technologies like hydrogen, examining their potential for decarbonizing maritime transport and addressing challenges and opportunities associated with the energy transition.** Competence in transport corridors and logistics for new fuels will also be developed, focusing on established strategies for "green corridors" and logistics for new fuels.

## About the training:

*This course will be taught entirely in English.*

- Understanding of international maritime regulations and standards: This course will provide a comprehensive understanding of the regulations set by the International Maritime Organization (IMO) related to the maritime sector's energy transition.
- Understanding of European Union policies and guidelines regarding maritime transport: European Union policies related to maritime transport will be explored, such as the promotion of sustainable practices, emission reduction, and the integration of ports into the European transport network.
- Familiarity with the management and operation of the Port of Algeciras: Participants will gain knowledge about the specific management and operation of the Port of Algeciras, including its infrastructure, services, and development strategies.
- Understanding of different types of alternative fuels and their application in maritime transport: Various alternative fuels available for maritime transport, such as liquefied natural gas (LNG), biofuels, and hydrogen, will be examined, along with their advantages, challenges, and practical applications.
- Skills in sustainable port operations and energy transition: Participants will learn about sustainable practices in ports, as well as understand the challenges and opportunities associated with the energy transition in the maritime sector.
- Knowledge of emerging technologies, such as hydrogen, and their potential in the maritime sector: The potential of hydrogen and other emerging technologies to decarbonize maritime transport will be explored, including their technical, economic, and regulatory viability.
- Competence in transport corridors and logistics for new fuels: Participants will learn about established strategies around so-called "green corridors" and logistics for new fuels.

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## 6 MAIN GOALS

### ACHIEVE



A well balanced association between the northern and southern borders of med

### EXAMINE



issues related to port activities and maritime sector

### INFORM



its Members and seek common positions

### PROMOTE



MED interests on the international scene

### FACILITATE



The creation of maritime trade links in MED area

### IMPROVE



The global visibility of the MEDports

## 29 PORT AUTHORITIES

70% of freight and 90% of passenger traffic in the Mediterranean



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## What's SEA-EU?

### EU Initiative

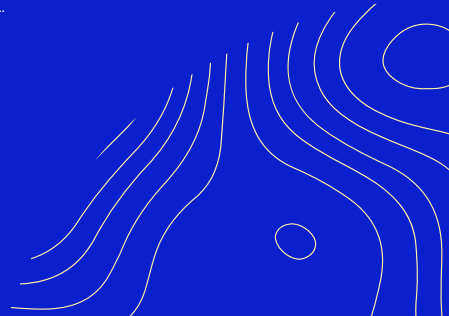
The European Universities alliances are a flagship initiative of the European strategy for universities...

### The Project

The European Commission provides financial support for the SEA-EU Alliance under the project "SEA-EU For All," which spans from 2023 to 2027. This funding framework is organized into a series of work packages and deliverables...

### The European University of the Seas

SEA-EU's commitment to excellence and sustainability is clearly reflected in our mission statement, our declaration on the Sustainable Development Goals (SDGs), and a dedicated transparency page that displays our carbon footprint...



## SEA-EU: The European Coastal SUPERCAMPUS

SEA-EU is an Alliance of 9 European Coastal Universities (Cadiz, Bretagne Occidentale, Kiel, Gdansk, Split, Malta, Naples, Algarve and NORD) dedicated to the creation of a European Coastal Campus where all students and staff could experience Europe through a rich and varied offer of activities and cooperation.

SEA-EU is one of the pioneers in the European Universities Initiative, which started in 2019 and that, after the renewal achieved, is working towards ambitious objectives such as the European Degree Label for joint programmes, the Legal Status or the goal of 50% of mobilities.