



# EALING (Studies) general overview

Workshop on the technical, legal and regulatory framework for maritime fleet adaptation

6 May 2021



# 1 2

**EALING Global Project** 

**EALING Studies Action:** 

- Objectives & Structure
- Partners, Location & Timeline
- Main Tasks & Expected Results

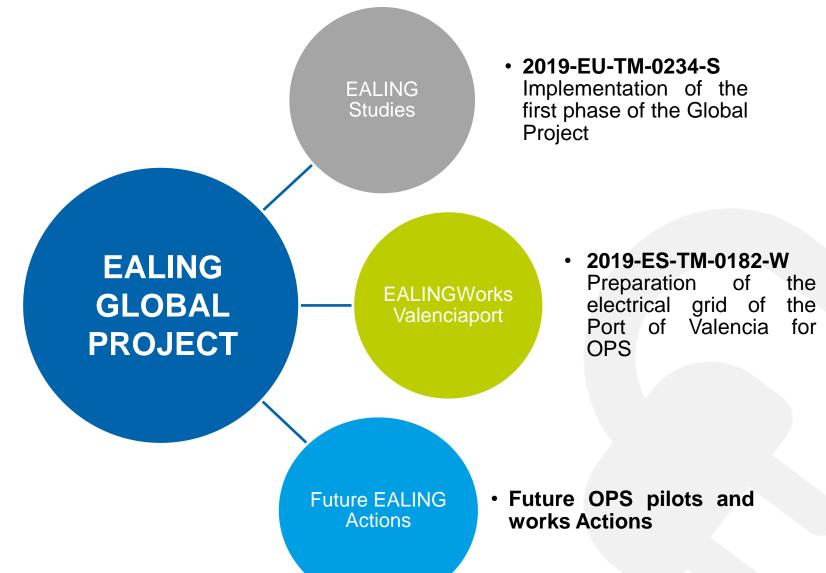
# 1. EALING Global Project



"European flagship action for onshore power supply (OPS) in ports"

Accelerate the effective deployment of OPS solutions in EU maritime ports

www.ealingproject.eu

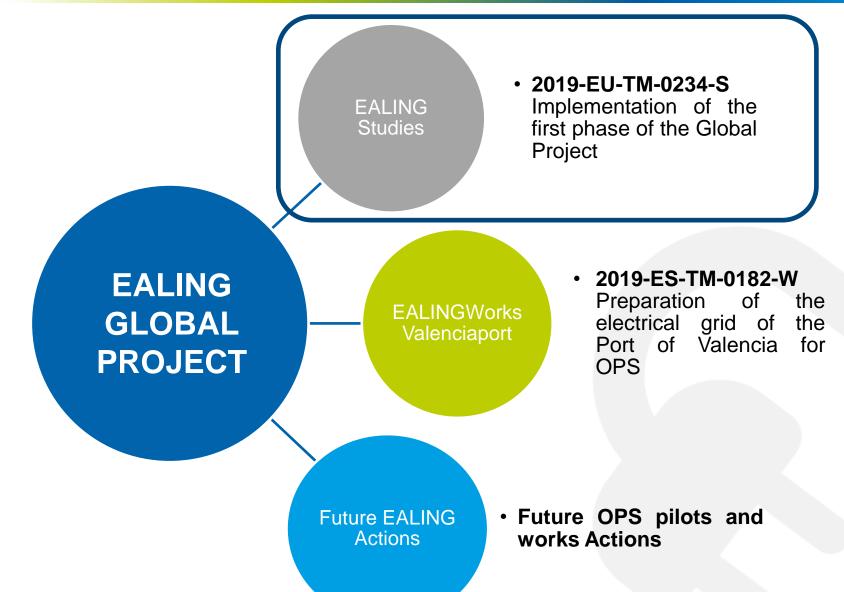


# 1. EALING Global Project



"European flagship action for onshore power supply (OPS) in ports"

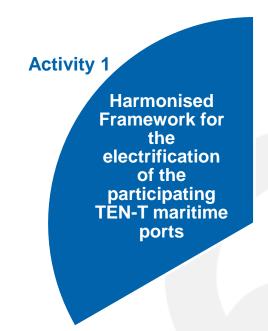
Accelerate the effective deployment of OPS solutions in EU maritime ports





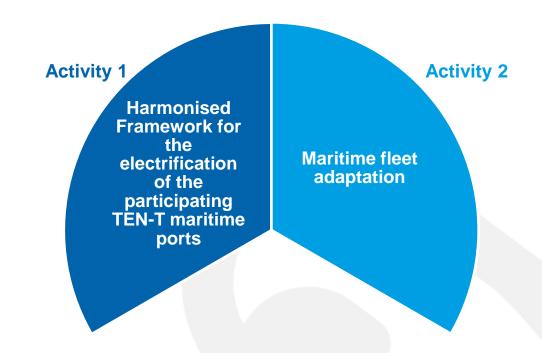
www.ealingproject.eu

 Ensuring that a common harmonised and interoperable framework is brought forward, in line with the EU technical, legal and regulatory framework, in order to facilitate the implementation phase of OPS infrastructure in the ports of the consortium



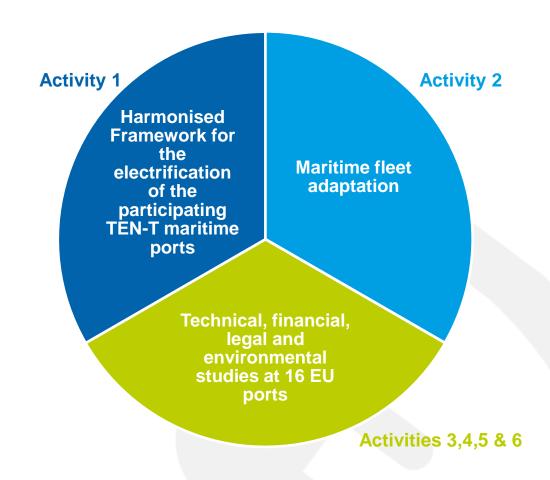


- Ensuring that a common harmonised and interoperable framework is brought forward, in line with the EU technical, legal and regulatory framework, in order to facilitate the implementation phase of OPS infrastructure in the ports of the consortium
- Ensuring the port to vessel compatibility in the TEN-T Maritime Network, for vessels calling at the ports of the consortium



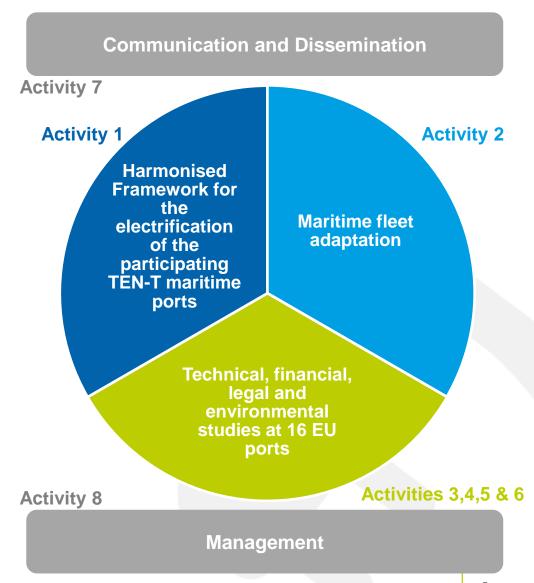


- Ensuring that a common harmonised and interoperable framework is brought forward, in line with the EU technical, legal and regulatory framework, in order to facilitate the implementation phase of OPS infrastructure in the ports of the consortium
- Ensuring the port to vessel compatibility in the TEN-T Maritime Network, for vessels calling at the ports of the consortium
- Leading all the technical, financial, legal and environmental studies necessary to launch the works for OPS equipment and infrastructure after the end of the Action





- Ensuring that a common harmonised and interoperable framework is brought forward, in line with the EU technical, legal and regulatory framework, in order to facilitate the implementation phase of OPS infrastructure in the ports of the consortium
- Ensuring the port to vessel compatibility in the TEN-T Maritime Network, for vessels calling at the ports of the consortium
- Leading all the technical, financial, legal and environmental studies necessary to launch the works for OPS equipment and infrastructure after the end of the Action



## 2. EALING Studies Action: Partners, Location & Timeline



# 22 partners







































www.ealingproject.eu





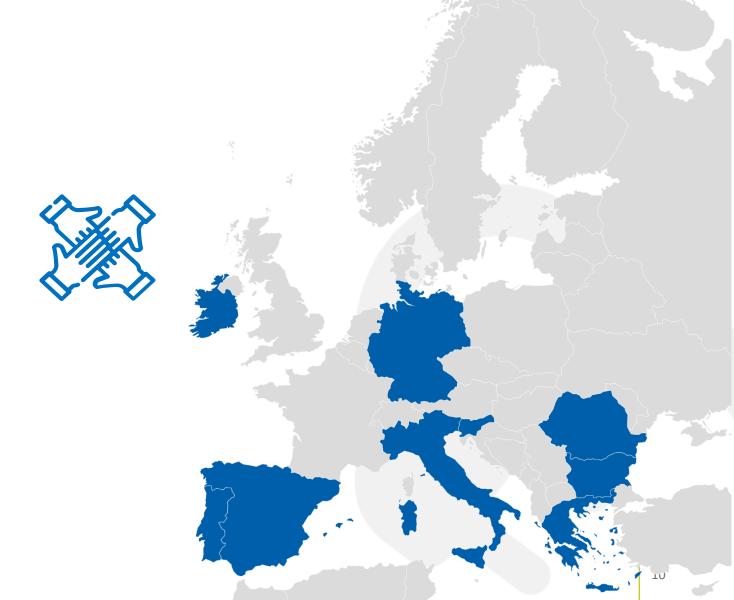


### 2. EALING Studies Action: Partners, Location & Timeline



#### 22 Beneficiaries from 9 EU Member States:

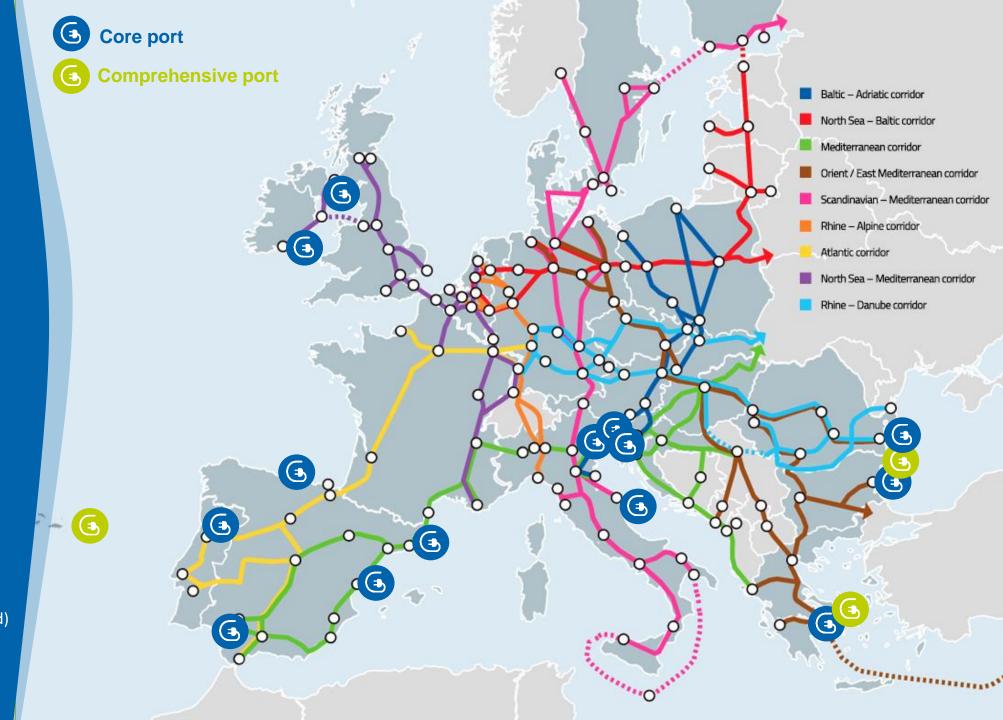
- O 13 Port Authorities (Valencia, Barcelona, Huelva, Gijón, Venice&Chioggia, Trieste&Monfalcone, Ancona, Piraeus, Rafina, Koper, Constanta, Leixoes, Açores)
- 2 Port & Maritime Public Institutions (Bulgarian Ports Infrastructure Company; Marine Institute)
- 7 Port & Shipping related entities (Fundación Valenciaport, Circle, Ocean Finance, Symbios Funding & Consulting, Protasis, Hydrus Engineering, Fincantieri SI)





#### 16 EU ports:

- Port of Valencia (Spain)
- Port of Barcelona (Spain)
- Port of Huelva (Spain)
- Port of Gijon (Spain)
- Port of Venice and Chioggia (Italy)
- Port of Ancona (Italy)
- Port of Trieste & Monfalcone (Italy)
- Port of Burgas (Bulgaria)
- Port of Constanta (Romania)
- Port of Piraeus (Greece)
- Port of Rafina (Greece)
- Port of Varna (Bulgaria)
- Port of Koper (Slovenia)
- Port of Leixoes (Portugal)
- Ports of Açores (Portugal)
- Port of Dublin and / or Cork (Ireland)



# 2. EALING Studies Action: Partners, Location & Timeline





# 3-year project

Year	2020	2021	2022	2023
Activity \Month	6 7 8 9 10 11 12	1 2 3 4 5 6 7 8 9 10 11 12	1 2 3 4 5 6 7 8 9 10 11 12	1 2 3 4 5 6
Activity 1: Harmonised Framework for the electrification of the participating TEN-T maritime ports				
Activity 2: Maritime fleet adaptation				
Activity 3: Technical studies for the electrification infrastructure of the participating TEN-T maritime ports				
Activity 4: Environmental studies				
Activity 5: Clean power supply plans and tender documents				
Activity 6: Cost-benefit analysis and Financial blending schemes				
Activity 7: Communication and dissemination				
Activity 8: Management of the Action				



#### **ACTIVITY 1: Harmonised Framework for the electrification of the participating TEN-T maritime ports**

**OBJECTIVE 1** 

To implement a detailed analysis on the current status of:

The technical, legal and regulatory framework in the Member States concerned at national level

 The EU legislation as well as policy initiatives, standards and guidelines in relation to the implementation of OPS in EU ports, focusing on the ports of the consortium Identification of shortcomings and obstacles

**OBJECTIVE 2** 

To report with recommendations on how to bring forward and implement a harmonised framework boosting the development of OPS in ports of the TEN-T Network, taking into account the technical, legal and regulatory framework in place and under development at EU level



#### **ACTIVITY 1: Harmonised Framework for the electrification of the participating TEN-T maritime ports**

Analysis on the existing national/ port regulations

Benchmark analysis for the identification of best practices from other EU Member States that have already developed the respective regulatory framework monitoring the state of OPS implementation

Detailed analysis of permitting process for the installation of OPS infrastructure, in accordance with Directive 2014/94/EU

Stakeholders Platform

Tools (desk analysis, questionnaires, interviews, workshops, etc.)



Recommendations for a harmonised framework in ports, including business, legal and technical aspects

Recommendations for a harmonised commercial (tariff pricing) framework

Recommendations for the introduction of incentives

Detailed Analysis on the existing national / port regulations related to OPS

Final recommendations for a harmonised framework on OPS in the EU ports



#### **ACTIVITY 2: Maritime fleet adaptation**

Internal work performed by the consortium

Questionnaires & Interviews

Workshops

Stakeholders Platform

Identification of the relevant technical and regulatory elements to facilitate adaptation / connection of ships to OPS

Analysis of the standards relevant to shipside installation for OPS for the vessels operating in the ports of the consortium





#### **ACTIVITY 3**

Technical studies for the electrification infrastructure of the participating TEN-T maritime ports

Front-end engineering design studies and other necessary technical studies feeding directly the tender specifications in the ports of the consortium





#### **ACTIVITY 3**

Technical studies for the electrification infrastructure of the participating TEN-T maritime ports

#### **ACTIVITY 4**

**Environmental studies** 

Front-end engineering design studies and other necessary technical studies feeding directly the tender specifications in the ports of the consortium

Environmental studies.

The scope will depend on the final needs of each port (e.g. necessary to obtain the permits on the projected works)





#### **ACTIVITY 3**

Technical studies for the electrification infrastructure of the participating TEN-T maritime ports

#### **ACTIVITY 4**

**Environmental studies** 

#### **ACTIVITY 5**

Clean power supply plans and tender documents

Front-end engineering design studies and other necessary technical studies feeding directly the tender specifications in the ports of the consortium

www.ealingproject.eu

Environmental studies.

The scope will depend on the final needs of each port (e.g. necessary to obtain the permits on the projected works)

Clean Power Supply Plans (new elaboration or update) → OPS included in the internal strategy of the port

Ŏ.

Tender documentation for the projected works



#### ACTIVITIES 3, 4, 5 AND 6: Technical, financial, legal and environmental studies at 16 EU ports

#### **ACTIVITY 3**

Technical studies for the electrification infrastructure of the participating TEN-T maritime ports

#### **ACTIVITY 4**

**Environmental studies** 

#### **ACTIVITY 5**

Clean power supply plans and tender documents

#### **ACTIVITY 6**

Cost-benefit analysis and Financial blending schemes

Front-end engineering design studies and other necessary technical studies feeding directly the tender specifications in the ports of the consortium

www.ealingproject.eu

Environmental studies.

The scope will depend on the final needs of each port (e.g. necessary to obtain the permits on the projected works)

Clean Power Supply Plans (new elaboration or update)

→ OPS included in the internal strategy of the port

Tender documentation for the projected works

CBA for the necessary electrification infrastructures &

Financial blending schemes

→ Final Investment Decisions





#### **ACTIVITY 3**

Technical studies for the electrification infrastructure of the participating TEN-T maritime ports

#### **ACTIVITY 4**

**Environmental studies** 

#### **ACTIVITY 5**

Clean power supply pl and tender documen

> Ready to launch the works on OPS equipment and infrastructure

Front-end engineering design studies and other necessary technical studies feeding directly the tender specifications in the ports of the consortium

www.ealingproject.eu

The scope will depend on the final needs of each port (e.g. necessary to obtain the permits on the projected works)

(new elaboration of upon
→ OPS included in the internal strategy of the &

Tender documentation for

nemes

Decisions



#### **ACTIVITY 7: Communication & Dissemination**

Large-scale communication events

Local public demonstrations

Stakeholders workshops

Dissemination tools & materials

- Mid-term event (beginning of 2022)
- Final event (beginning of 2023)

16 local public demonstrations in the participating ports in 2023

- 3 Stakeholders workshops:
- Mid-2021
- Beginning of 2022
- Beginning of 2023

- Stakeholders Platform
- Project website
- Social networks & other dissemination channels
- Project Brochure & Video
- Executive summaries
- Specific marketing campaign (shipping)





#### **Contacts**

Ms. Rocío García rgarcia@fundacion.valenciaport.com

Discover more at

www.ealingproject.eu

