



European flagship Action for coLd ironING in ports



Co-financed by the Connecting Europe
Facility of the European Union

EALING Studies overview

SEAFUTURE – EALING West Med Macro Regional Workshop

30 September 2021



1

EALING Global Project

2

EALING Studies Action:

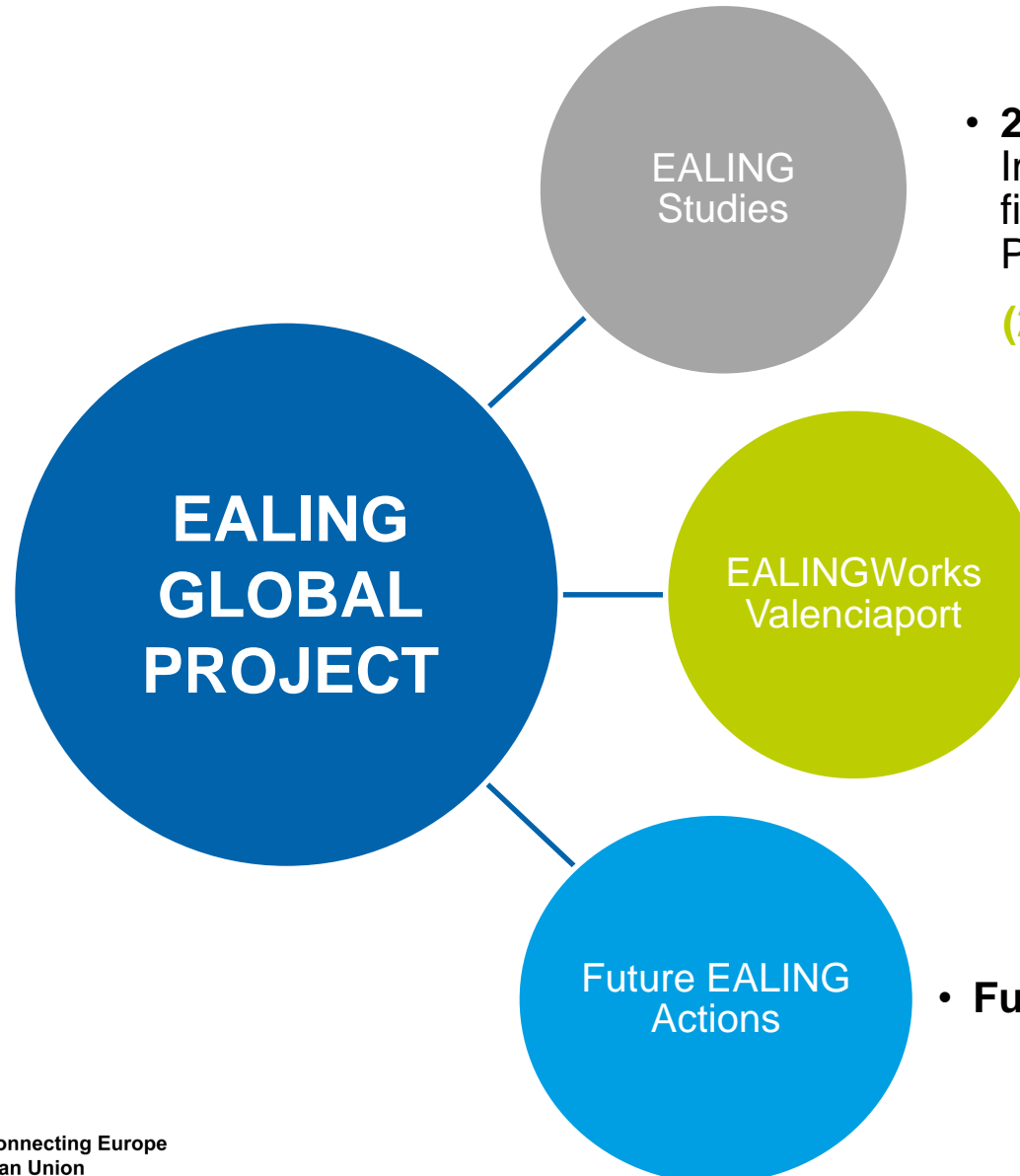
- **Objectives & structure**
- **Partners & location**
- **Main tasks and expected results**

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



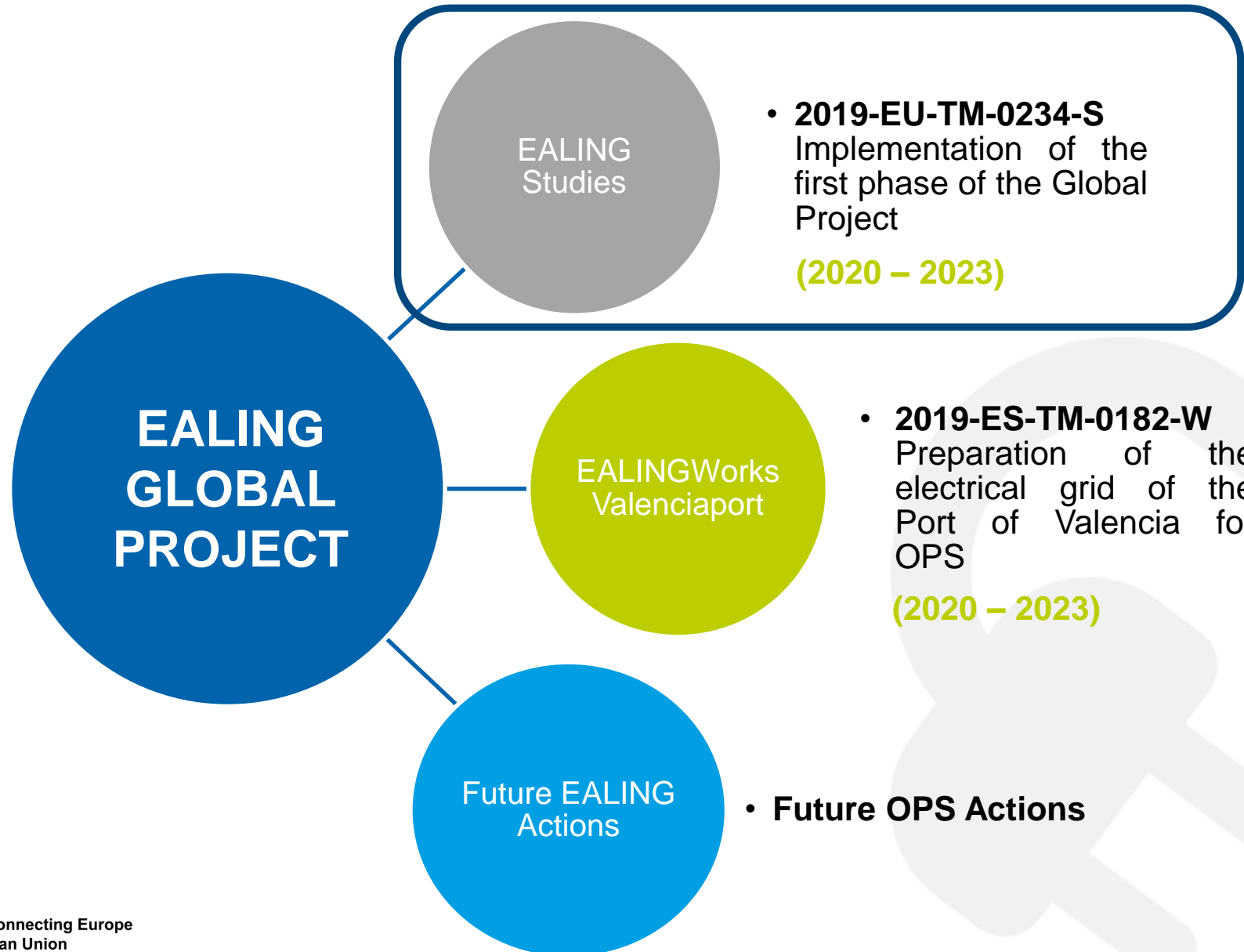
- **2019-EU-TM-0234-S**
Implementation of the
first phase of the Global
Project
(2020 – 2023)

- **2019-ES-TM-0182-W**
Preparation of the
electrical grid of the
Port of Valencia for
OPS
(2020 – 2023)

- **Future OPS Actions**

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

Accelerate the
effective deployment
of OPS solutions in EU
maritime ports



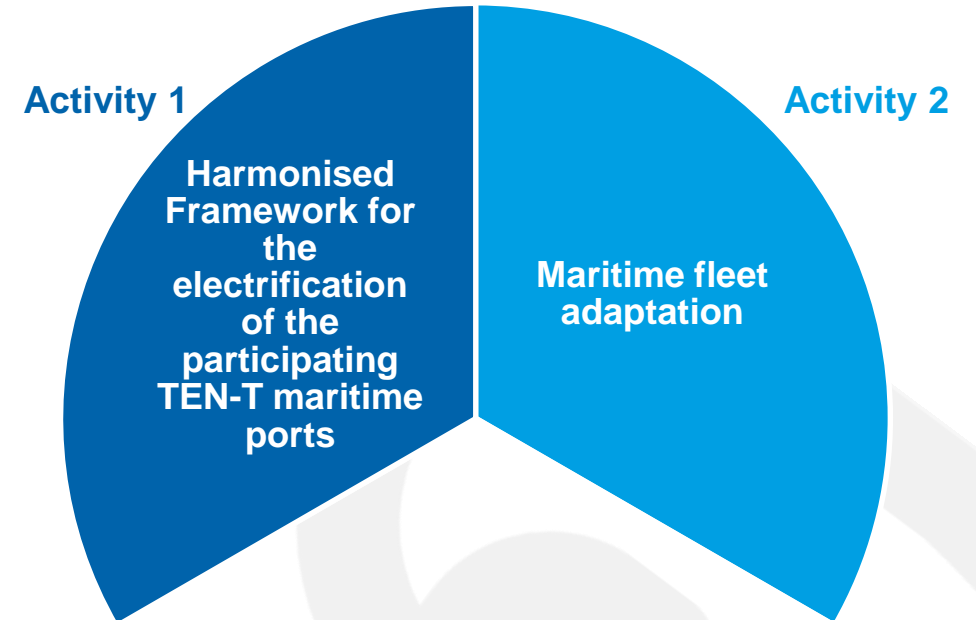
2 EALING Studies Action

- 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

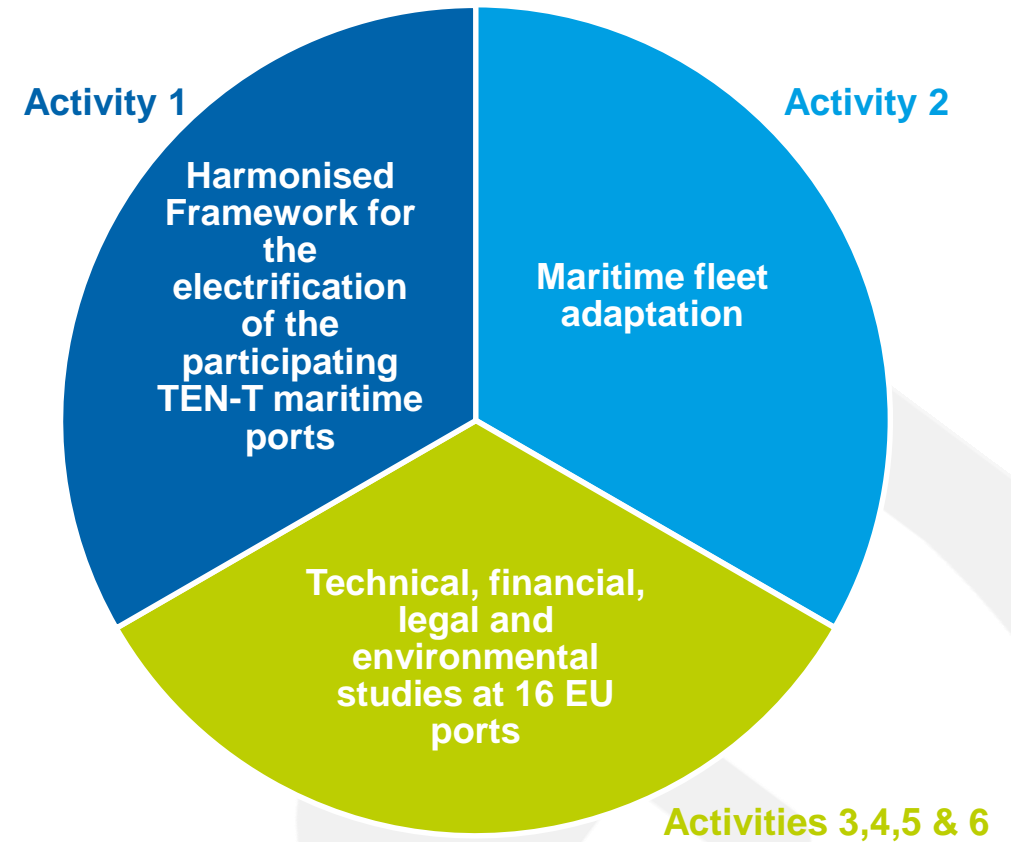
Activity 1

Harmonised
Framework for
the
electrification
of the
participating
TEN-T maritime
ports

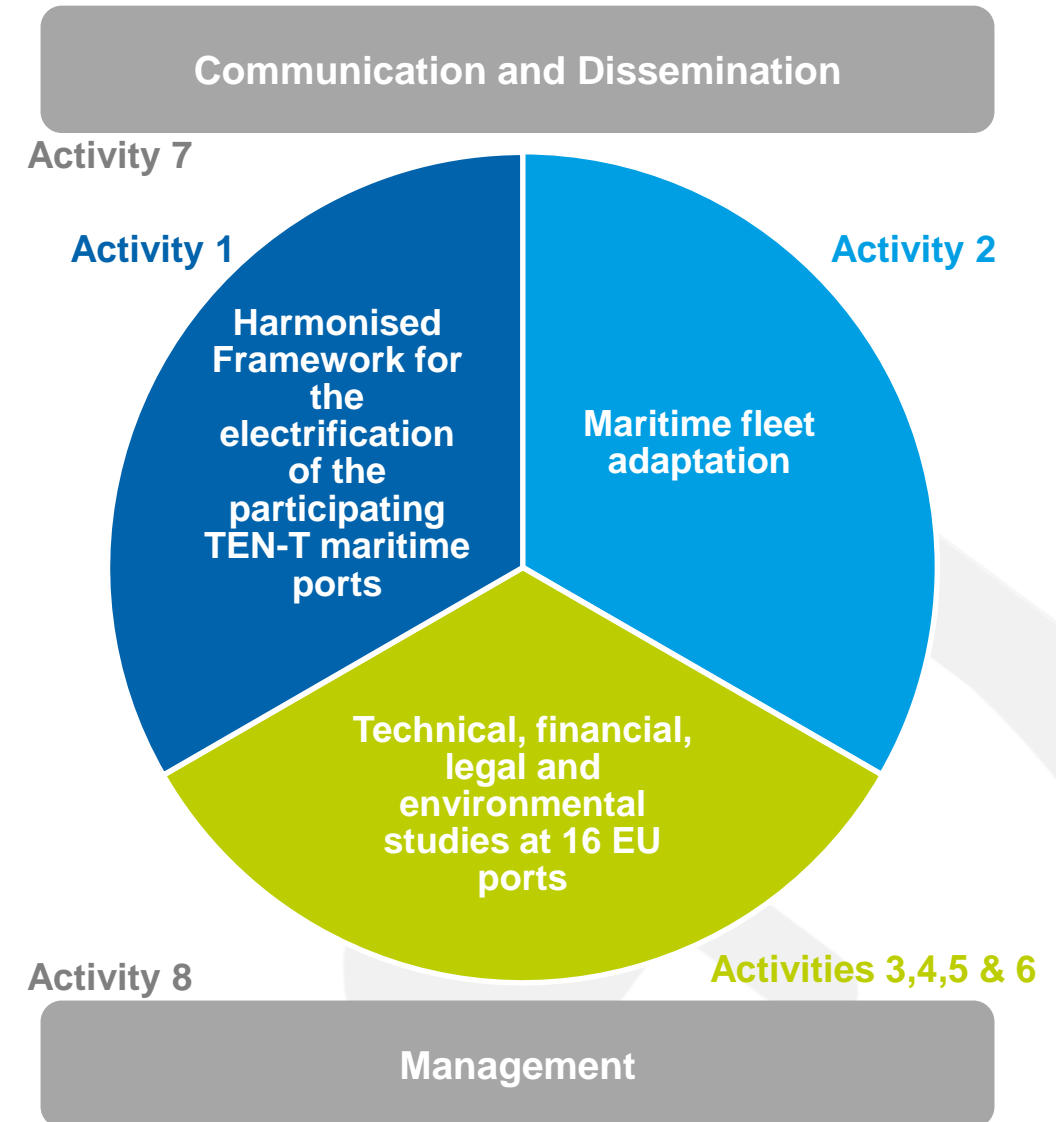
- Ensuring that a **common harmonised and interoperable framework** is brought forward, in line with the EU technical, legal and regulatory framework, in order to facilitate the implementation phase of OPS infrastructure in the ports of the consortium
- Ensuring the **port to vessel compatibility in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



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- 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

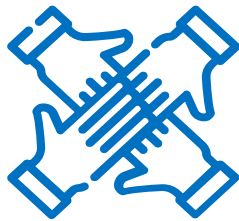


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22 Beneficiaries from 9 EU Member States:

- **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)





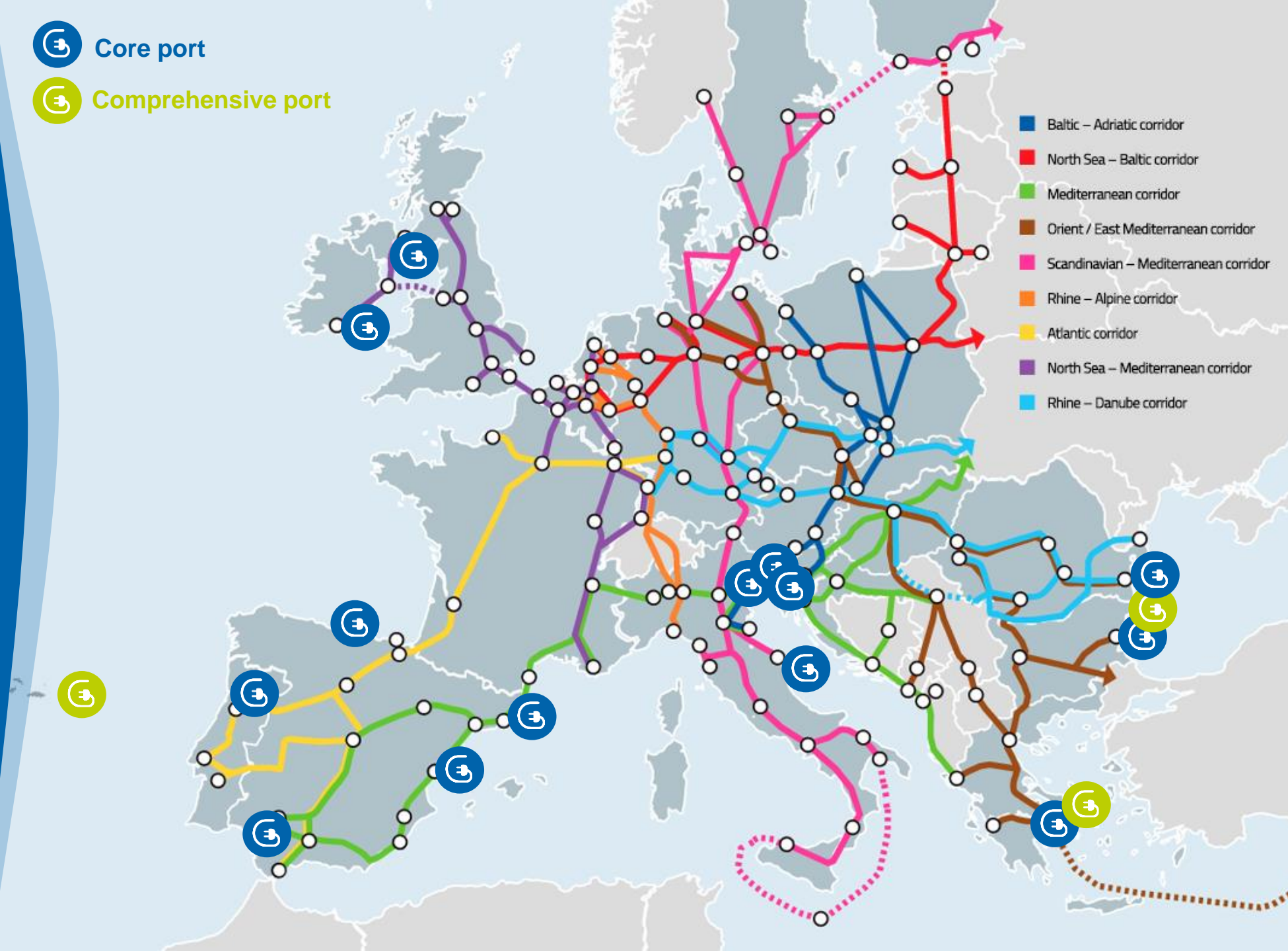
Core port



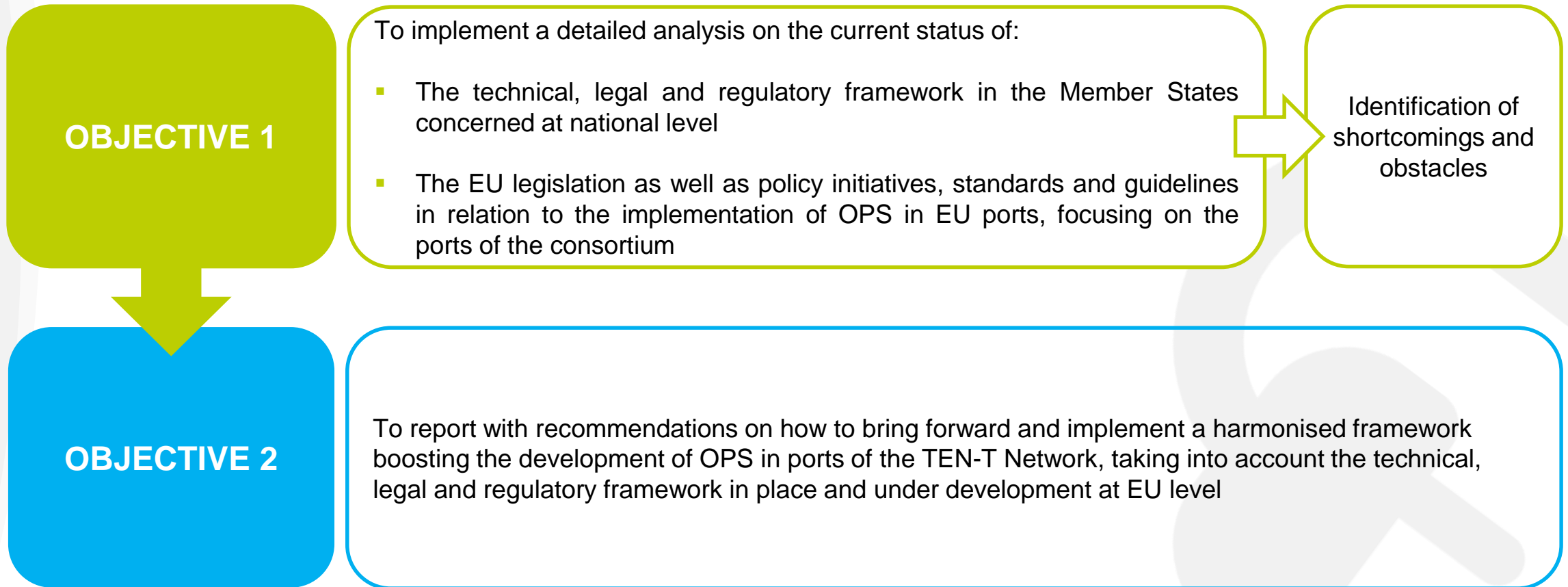
Comprehensive port

16 EU ports:

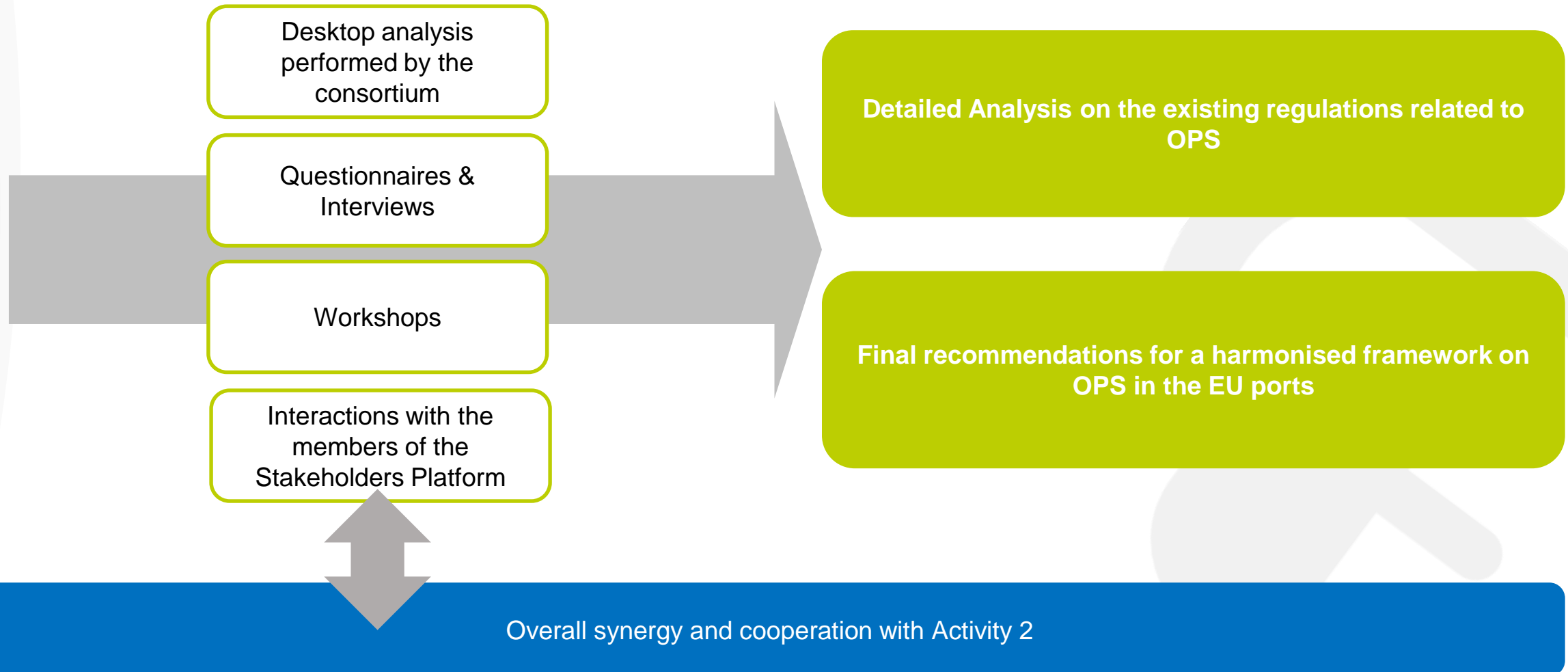
- Port of Valencia (Spain)
- Port of Barcelona (Spain)
- Port of Huelva (Spain)
- Port of Gijón (Spain)
- Port of Venice and Chioggia (Italy)
- Port of Ancona (Italy)
- Port of Trieste & Monfalcone (Italy)
- Port of Burgas (Bulgaria)
- Port of Varna (Bulgaria)
- Port of Constanta (Romania)
- Port of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



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



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



EALING Project

139 seguidores
4 meses • Editado •

As part of the Activity 1 "*Harmonised Framework for the Electrification of the participating TEN-T maritime ports*", EALING Action is carrying out an Online Consultation dedicated to Ports and Terminals. ... ver más

Ver traducción



EALING

Co-financed by the Connecting Europe Facility of the European Union

EALING Questionnaire for Ports & Terminals

CONTEXT - In the context of the European Green Deal, the "EALING" Motorways of the Sea Action contributes to the Global Project aiming to accelerate the transition to electrification and deployment of Onshore Power Supply (OPS) solutions in at least 16 EU maritime ports. (More info: <https://ealingproject.eu>)

EALING Project

139 seguidores
7 meses •

EALING Workshop with Associations "Towards a harmonised onshore power supply development in Europe" was held on 25th February

... ver más

Ver traducción



EALING

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TOWARDS A HARMONISED ONSHORE POWER SUPPLY DEVELOPMENT IN EUROPE

EALING Workshop with Associations
25 February 2021

EALING Project

139 seguidores
1 mes • Editado •

Best Practices exchange – EALING joins forces with Four Ports

1 day joint workshop on 10th September | Restricted event

... ver más

Ver traducción



ONSHORE POWER IN BALTIC SEAPORTS

Co-financed by the Connecting Europe Facility of the European Union

CEF Proposal Project Number: 2019-EU-TM-0125-W

European flagship Action for cold ironing in ports

ACTIVITY 2: Maritime fleet adaptation

OBJECTIVE 1

To analyse the standards relevant to shipside installation for OPS for the vessels operating in the ports of the consortium.

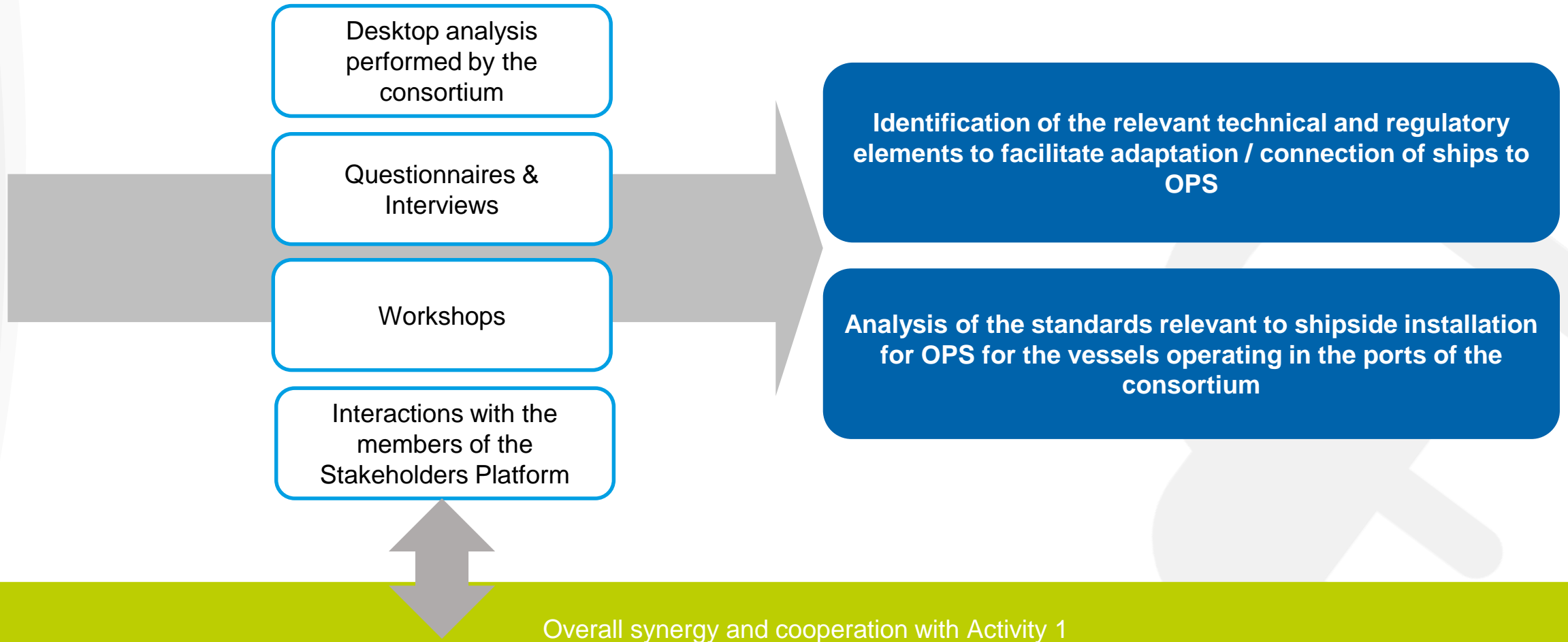
To harmonise the port to vessel compatibility in each of the ports of the consortium

OBJECTIVE 2

To identify technical and regulatory elements to facilitate the connection of ships to OPS

To provide operational recommendations, taking IMO guidelines as a reference, for a harmonized framework on fleet electrification adaptation, leading to a final proposal to IMO.

ACTIVITY 2: Maritime fleet adaptation



EALING Project

139 seguidores
3 meses •

As part of the Activity 2 "**Maritime Fleet adaptation**", EALING Action is carrying out an Online Consultation dedicated to Shipping Companies.

... ver más

Ver traducción



"EALING QUESTIONNAIRE FOR SHIPPING COMPANIES"

1. ACT 2 – QUESTIONNAIRE FOR SHIPPING COMPANIES



Co-financed by the Connecting Europe Facility of the European Union

CONTEXT - In the context of the European Green Deal, the "EALING" Motorways of the Sea Action contributes to the Global Project aiming to accelerate the transition to electrification and deployment of Onshore Power Supply (OPS) solutions by 2025 in at least 16 EU maritime ports belonging to three different sea basins: Mediterranean, Atlantic and Black Sea. The Action aims to establish a suitable technical framework based on EU and national legislations, and to lead all the necessary preparatory studies for effective implementation of OPS infrastructure in the ports of the EALING consortium. The specific objectives of the Action are:

1. Analysing the technical standards and obstacles, and proposing a harmonised approach for deployment of OPS infrastructure and equipment in the ports and maritime fleet adaptation;
2. Implementing all the required studies for the future works in the ports: front-end engineering studies and other technical studies, environmental studies, clean power supply plans, CBA and Financial blending schemes.

The Action will result in further development of a common framework for electrification of the ports and maritime fleet adaptation, and delivery of all the necessary technical and design studies on OPS solutions so that the Port Authorities will be ready to launch the construction and equipment phase.

OBJECTIVES OF THE QUESTIONNAIRE - This consultation is framed within the framework of Activity 2 of the project: Maritime Fleet adaptation. The questionnaire is divided into 3 main parts with specific objectives to collect information from the shipowners/shipping companies that have/plan/study possible adaptations for OPS at ports. The parts are the following:

- **A - General information** - Static information to know the type of fleet under study. Elements such as type of ships, new shipbuildings, profile of the person filling in the form, etc. that serve to classify ships based on their characteristics.
- **B - Technical questions** - The aim is to understand how OPS solutions are or will be proposed from the ship point of view. It also collects statistical data on the number of ships with this option per type of traffic, key characteristics and aspects related to potential offer, average vessel turnaround times, technical solutions identified, etc.
- **C - Specific regulatory and administrative aspects** - It collects the associated administrative procedures with classification societies, the constraints and barriers at regulatory level that sway in the adoption of this solution and building peculiarities to install OPS-ready solution at ships.

EALING Project

139 seguidores
4 meses •

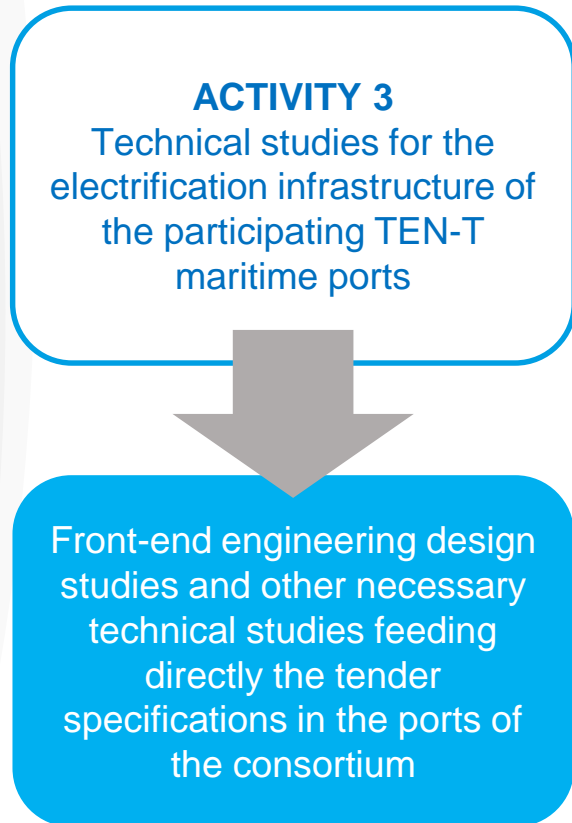
EALING Workshop with Shipping Lines "Towards a harmonised onshore power supply development in Europe" was held on 6th May

... ver más

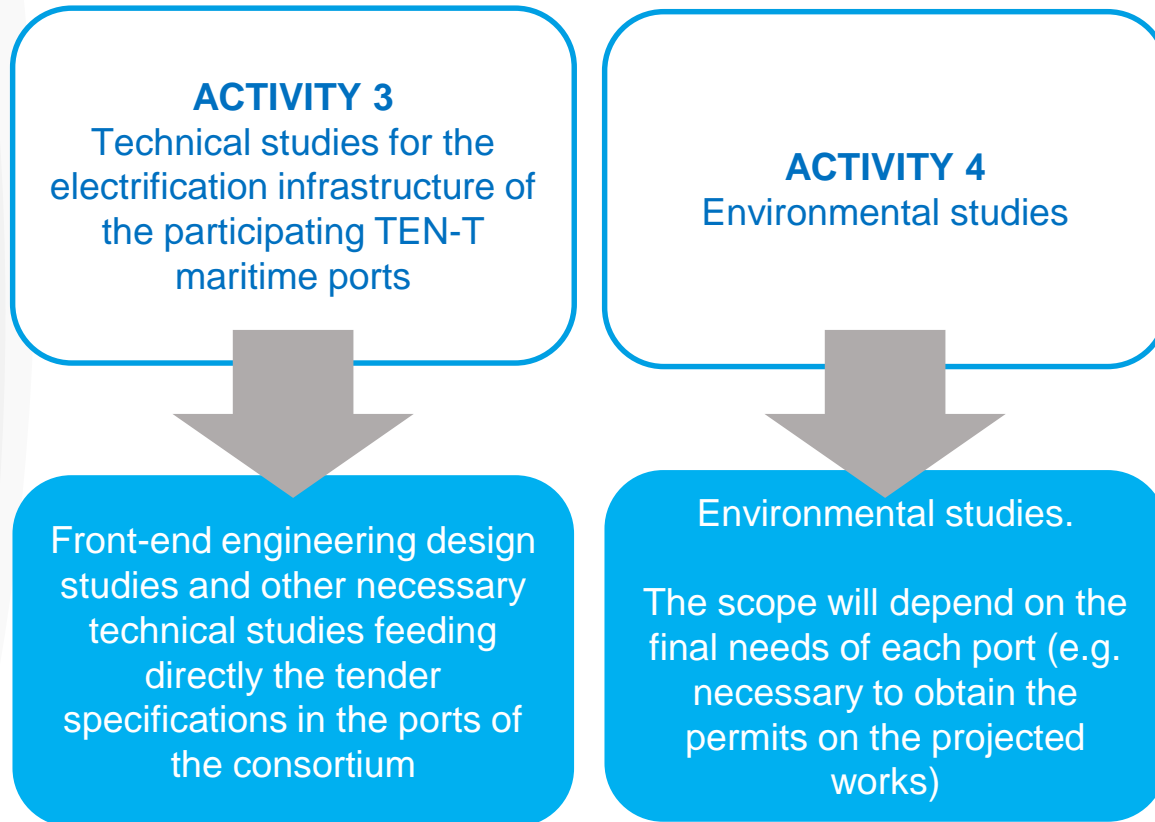
Ver traducción



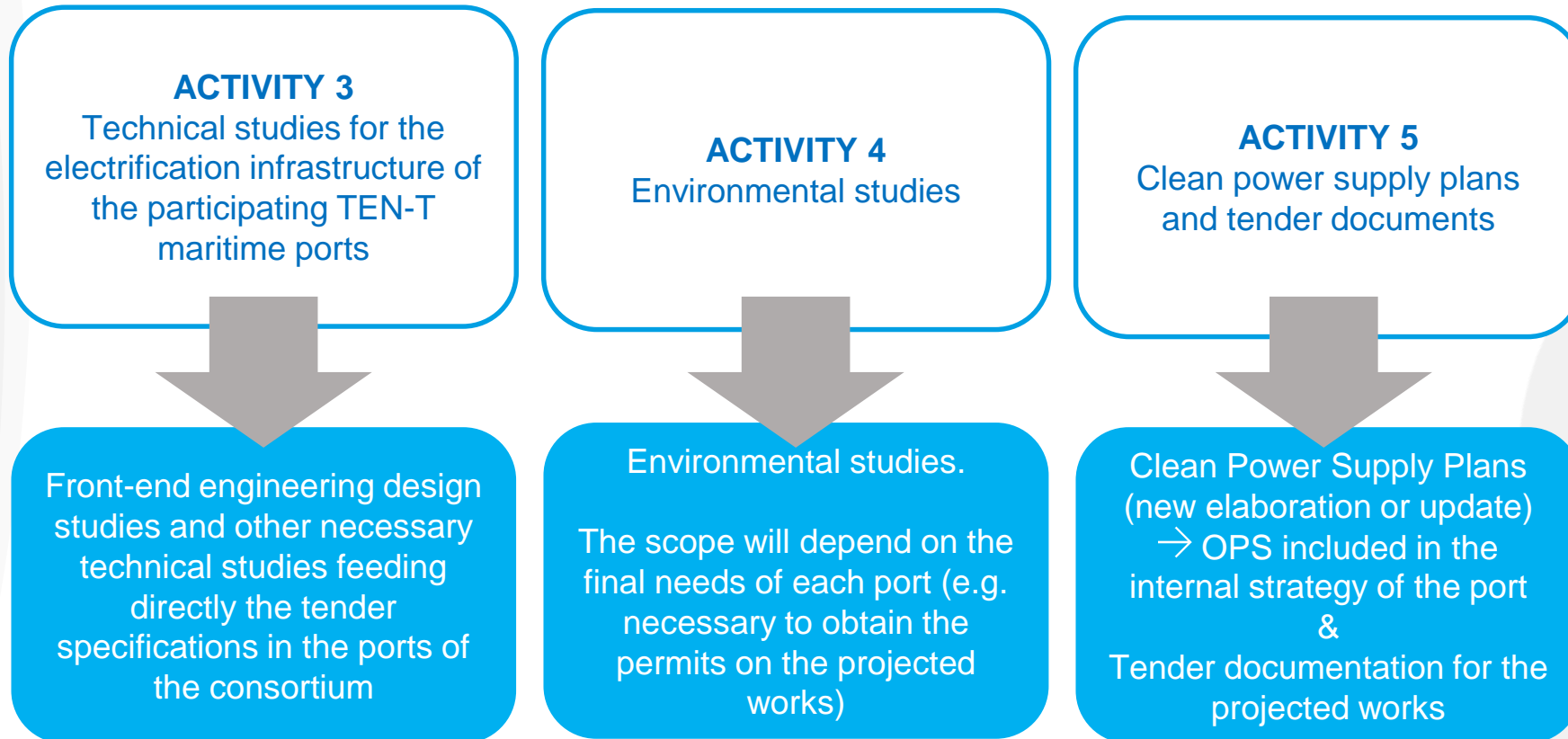
ACTIVITIES 3, 4, 5 and 6: Technical, financial, legal and environmental studies at 16 EU ports



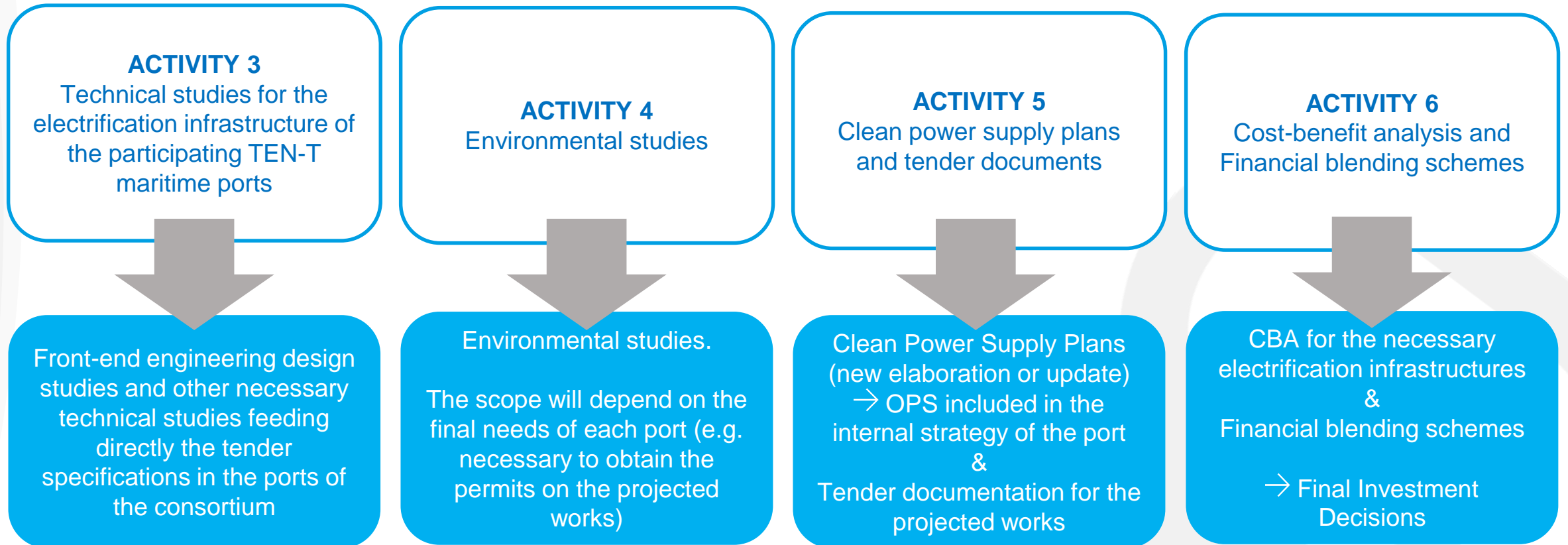
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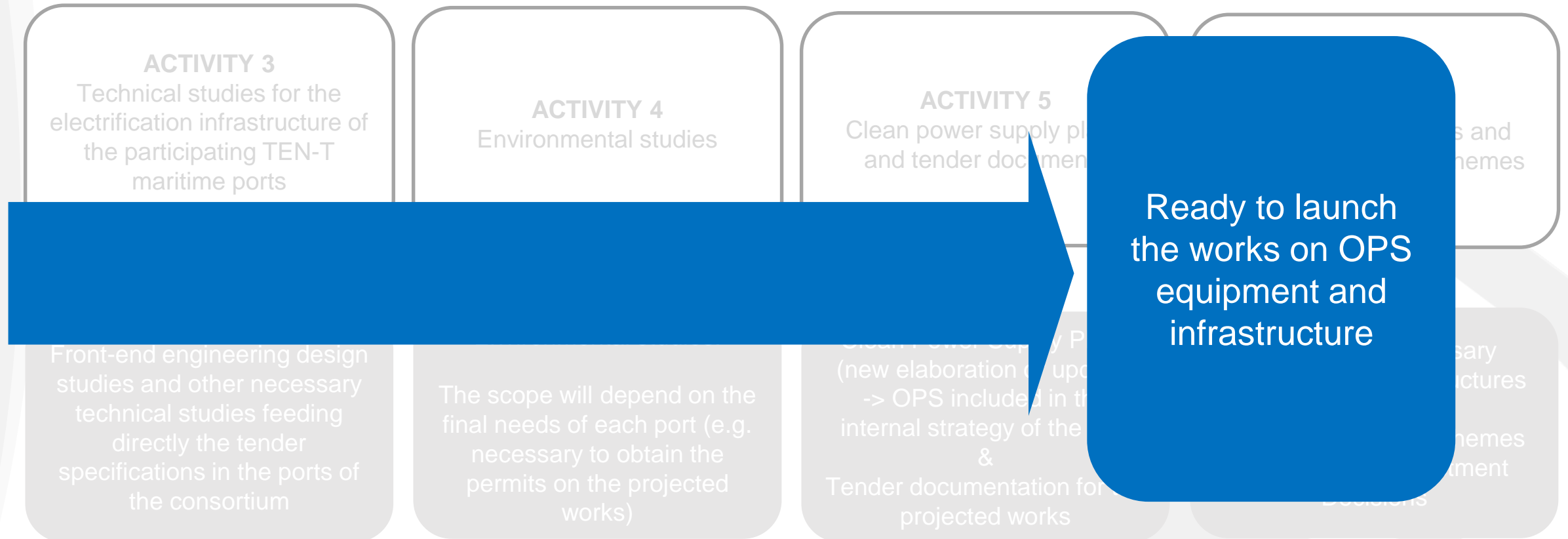
ACTIVITIES 3, 4, 5 and 6: Technical, financial, legal and environmental studies at 16 EU ports



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

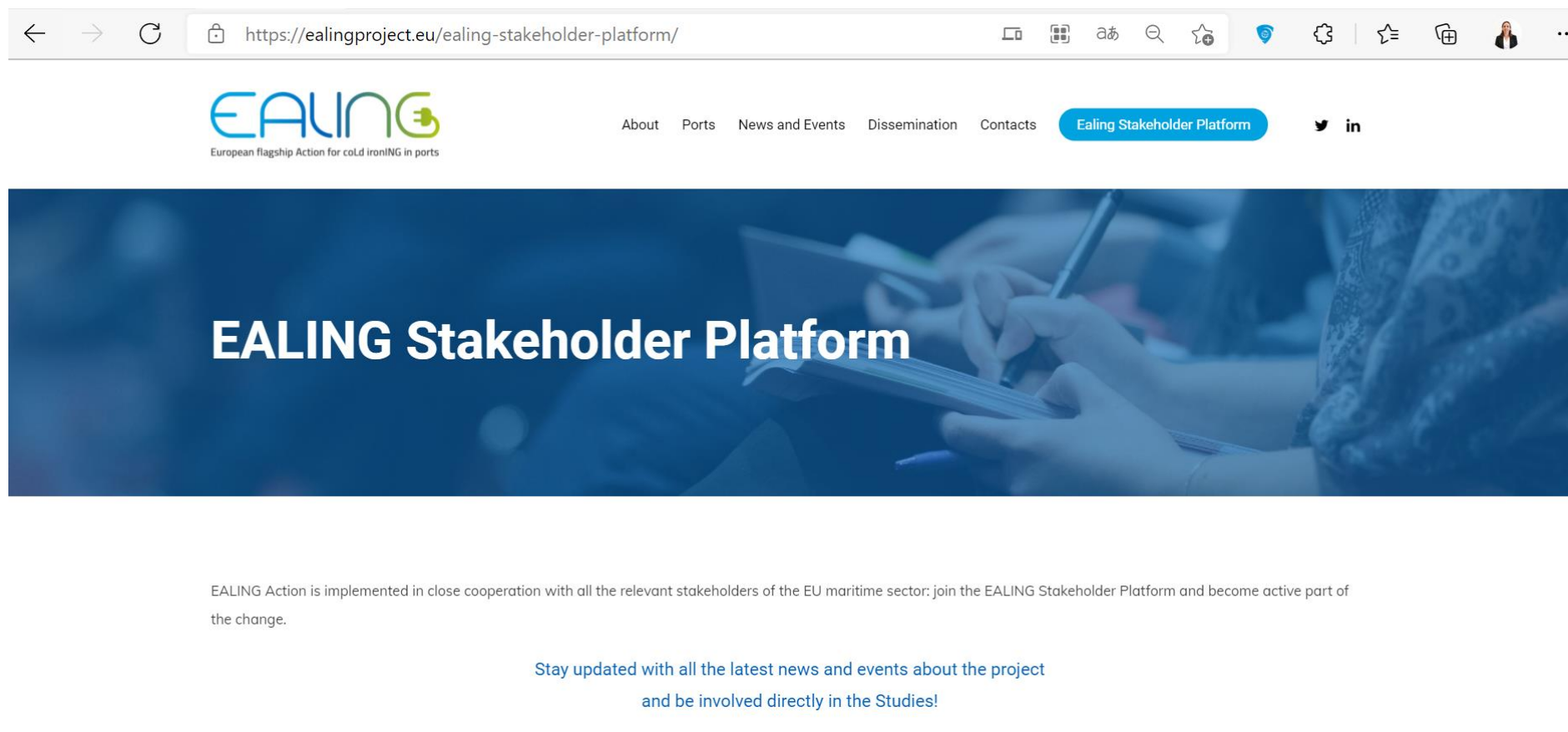


ACTIVITIES 3, 4, 5 and 6: Technical, financial, legal and environmental studies at 16 EU ports



ACTIVITY 7: Communication & Dissemination





[Ealing Stakeholder Platform – Ealing Project](#)

Thanks!



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Contacts

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Discover more at

www.ealingproject.eu



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