



European flagship Action for cold ironING in ports

EALING (Studies) general overview

Workshop on the technical, legal and regulatory framework for the implementation of Onshore Power Supply in EU ports

25 February 2021



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Timeline

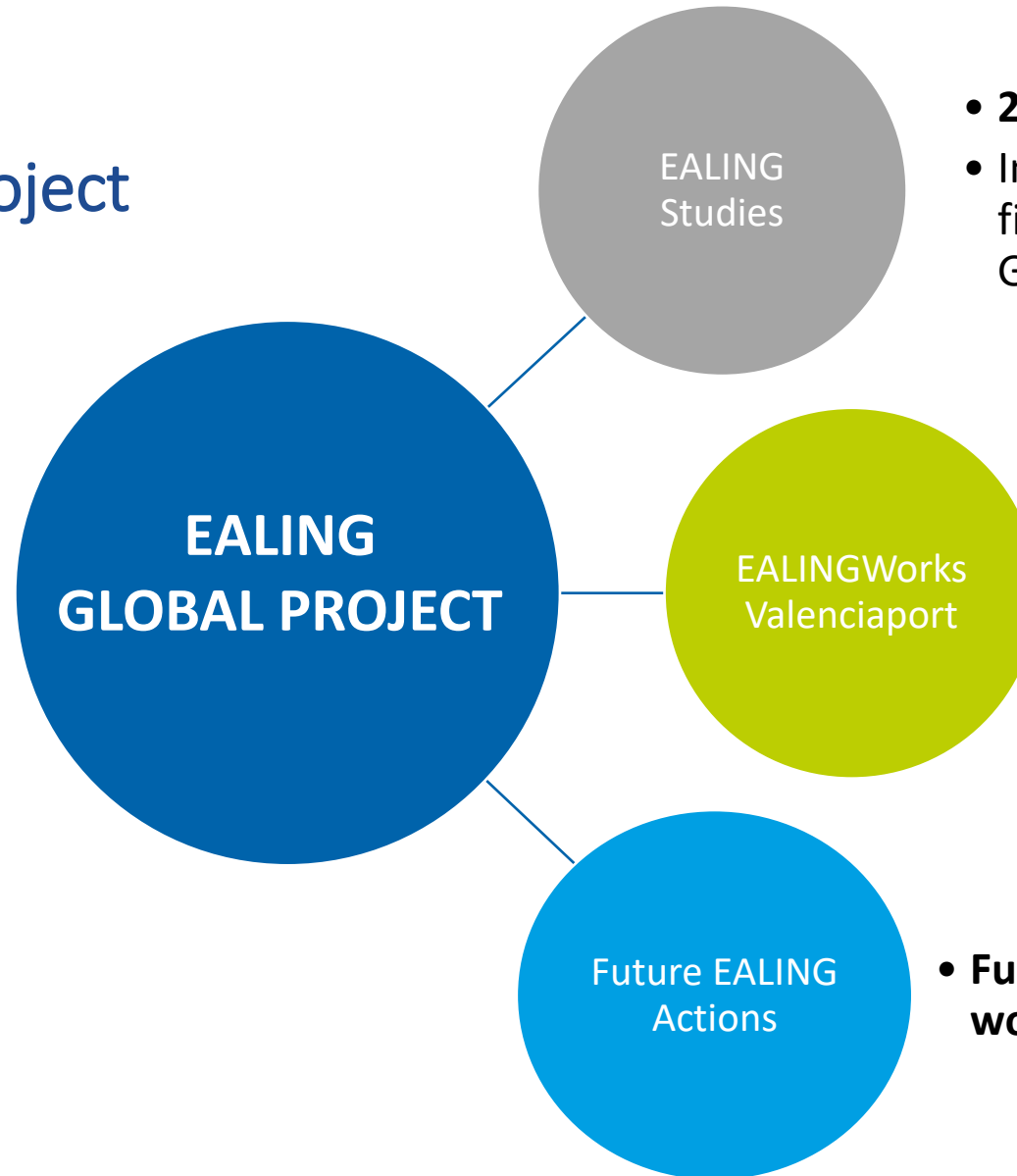
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Main expected results

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

- **2019-ES-TM-0182-W**
- Preparation of the electrical grid of the Port of Valencia for OPS

- **Future OPS pilots and works Actions**

EALING Global Project

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EALING GLOBAL PROJECT

EALING
Studies

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EALINGWorks
Valenciaport

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Future EALING
Actions

- **Future OPS pilots and works Actions**

EALING Studies Action objectives & structure

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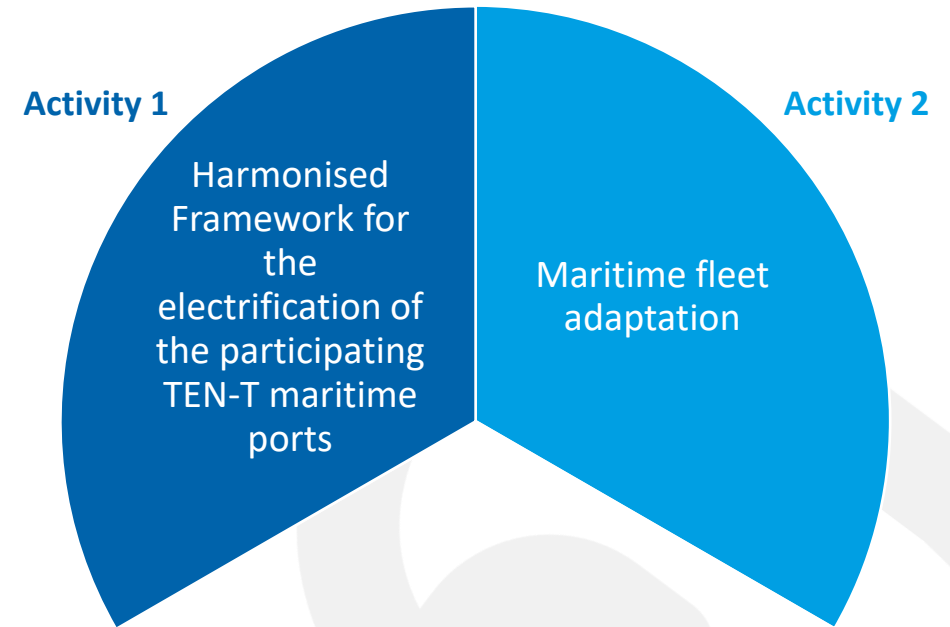
- Ensuring that a **common harmonised and interoperable framework** is brought forward, in line with the EU technical, legal and regulatory framework, in order to facilitate the implementation phase of OPS infrastructure in the ports of the consortium

Activity 1

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

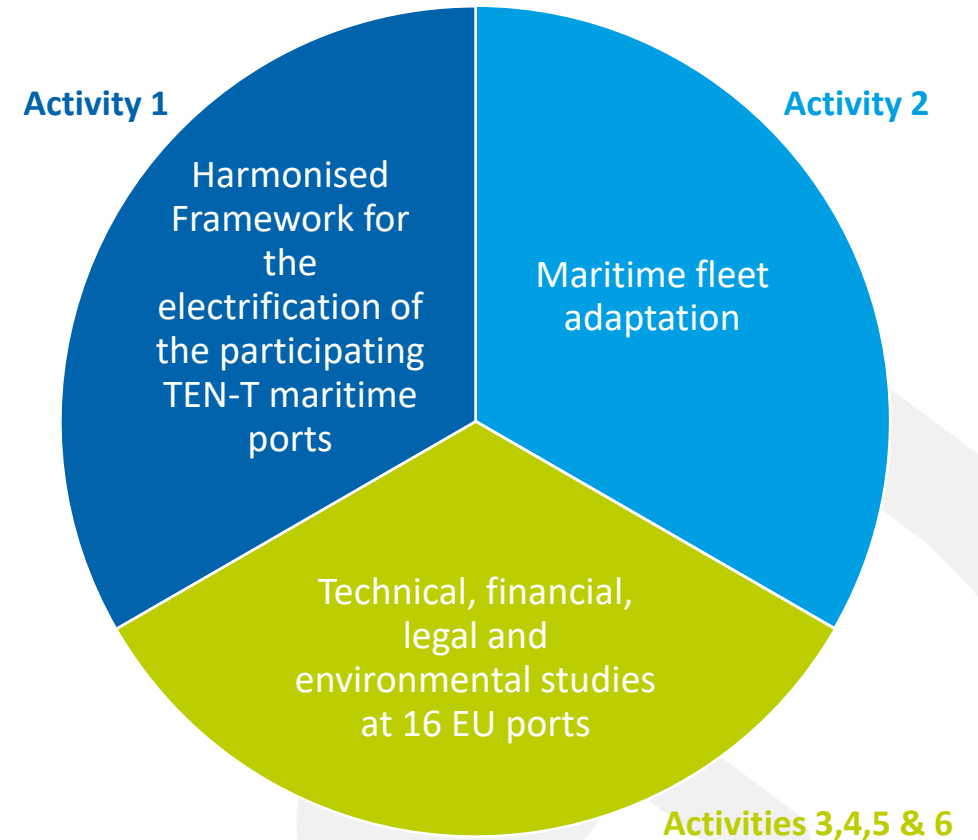
EALING Studies Action objectives & structure

- 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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- 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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Activity 7

Communication and Dissemination

Activity 1

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

Activity 2

Maritime fleet adaptation

Technical, financial, legal and environmental studies at 16 EU ports

Activity 8

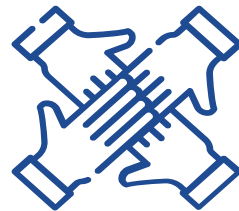
Management

Activities 3,4,5 & 6

Partners and location of the Action

22 Beneficiaries from 9 EU Member States:

- **13 Port Authorities** (Valencia, Barcelona, Huelva, Gijón, Venice&Chioggia, Trieste&Monfalcone, Ancona, Piraeus, Koper, Rafina, 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 ports:

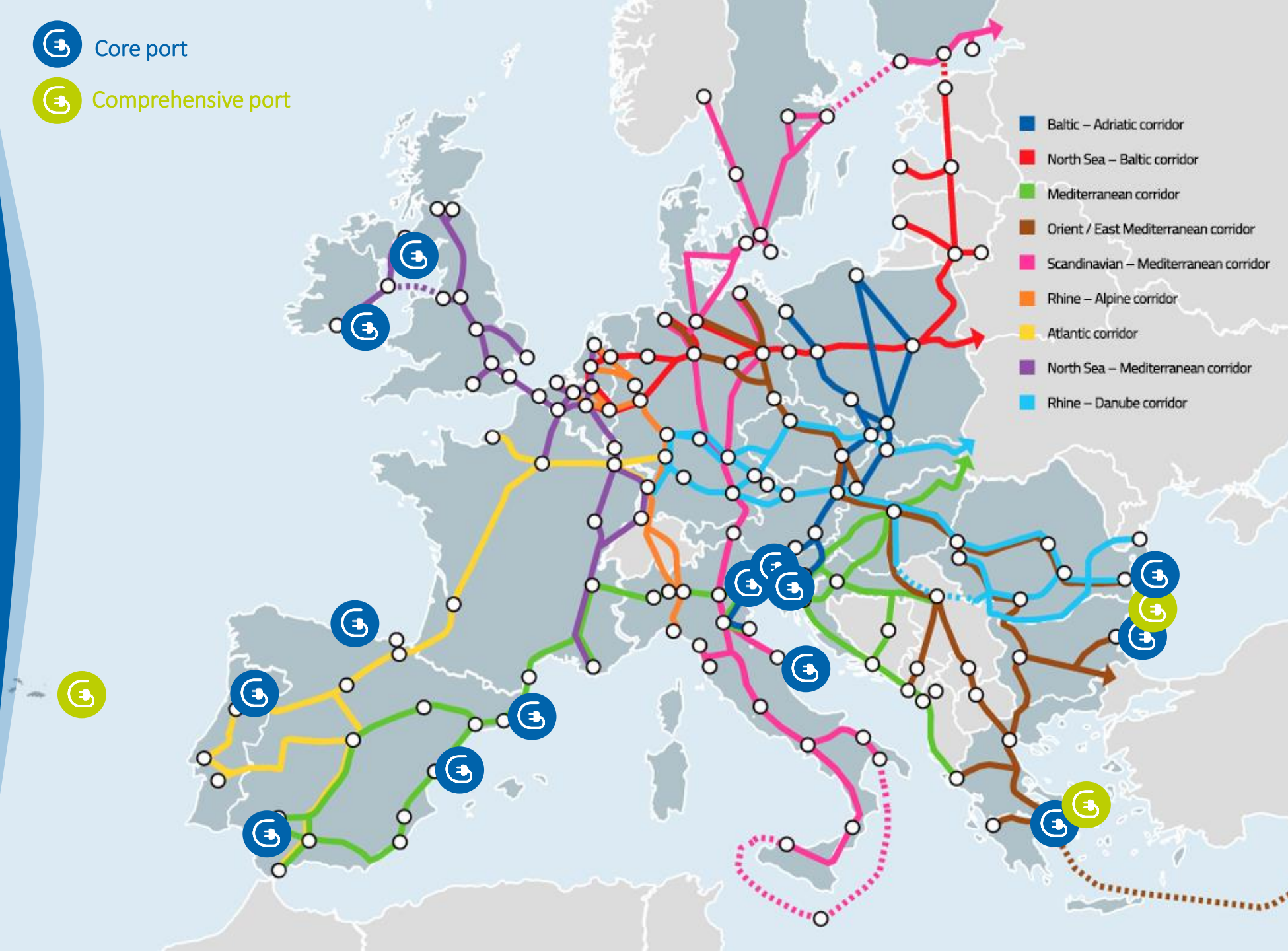
- Port of Valencia (Spain)
- Port of Barcelona (Spain)
- Port of Huelva (Spain)
- Port of Gijon (Spain)
- Port of Venice & Chioggia (Italy)
- Port of Ancona (Italy)
- Port of Trieste & Monfalcone (Italy)
- Port of Burgas (Bulgaria)
- Port of Varna (Bulgaria)
- Port of Constanta (Romania)
- Port of Piraeus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



Core port



Comprehensive port



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																																						

Main expected results

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

- Detailed Analysis on the existing national / port regulations directly or indirectly related to OPS, including elements affecting the wider aspects contributing to electrification
- Final recommendations for a harmonised framework on OPS in the EU ports, including technical, operational, legal and business related aspects

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Maritime fleet adaptation

- Analysis of the standards relevant to shipside installation for OPS for the vessels operating in the ports of the consortium
- Identification of the relevant technical and regulatory elements to facilitate adaptation / connectivity of ships to OPS

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Technical, financial, legal and environmental studies at 16 EU ports

- Development of technical studies feeding directly to the tender documents
- Implementation of environmental studies
- Elaboration or update of clean power supply plans
- Preparation of the tender documentation for all the proposed investments
- Elaboration of CBA and financial blending schemes

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Communication & Dissemination

- Organisation of 2 large communication events, 16 local public demonstrations and 3 stakeholders' workshops
- Establishment of a Stakeholders' Platform
- Organisation of a specific marketing campaign
- Development of dissemination materials: project brochure, video, executive summaries, etc

Thanks!



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Discover more at
www.ealingproject.eu



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