



SUSTAINABLE MARINE TRANSPORT AND THE ROLE OF PORTS IN DECARBONISING ENERGY SYSTEM

9 April 2025

18:00-19:30, Welcome session

&

10 April 2025

08:30-17:15, Workshop | San Pietro Island, Municipality of Carloforte | Sardinia region, Italy |

[Civic Center: “Ex Me”](#)

Abstract

Maritime transport plays an essential role in the EU economy and it is considered the primary means of connectivity for islands. At the EU level, it represents 3 to 4% of the EU's total CO2 emissions, surpassing 124 million tonnes in 2021. The workshop **“Sustainable Marine Transport and the Role of Ports in Decarbonizing the Energy System”**, organized by the Clean energy for EU islands secretariat, aims to build capacity and support island communities in exploring the clean energy options for maritime transport and the role that harbours can play to advance their decarbonisation plans.

For islands, ferries are their lifeline, and at the same time transport to and from the mainland constitutes a significant portion of energy consumption and carbon emissions, underscoring the need to address this issue as part of their clean energy transition. Despite its importance, citizens often feel uninvolved when decisions are taken on the mainland, emphasizing the need for localized and inclusive strategies.

Key questions to be addressed during the workshop include: How can island ports play a role in advancing their clean energy transition? How can they enhance their value within the islands' energy systems and grids? How much energy does port infrastructure consume? Is maritime transport consumption viewed as one needed to be addressed in the development of islands' clean energy transition path? Which EU directives guide their transition path? What innovative technologies and solutions should be adopted, which are relevant best practices and case studies?

In the context of these questions, lessons learned and experiences from EU islands will be shared, highlighting innovative technologies and sustainable solutions for the decarbonization of ferries and best practices.

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Insights from academics and industry professionals will also be offered. In addition, representatives from the ferry industries will share their experiences in implementing sustainable solutions, discuss ongoing challenges, and outline their progress towards decarbonization.

Agenda

DAY 1 – 9th April 2025	
18:00 – 19:30	<p>Welcome session and gathering*</p> <p><i>Moderators:</i> Enrico Giglio, <i>Clean energy for EU islands (Politecnico di Torino)</i></p> <p><i>In attendance:</i> Stefano Rombi, <i>Mayor of Carloforte, Island of San Pietro</i> Riccardo Novo, <i>Clean energy for EU islands (3E)</i> Emanuele Cani, <i>Industry Councillor of the Autonomous Region of Sardinia (tbc)</i> Barbara Manca, <i>Transport Councillor of the Autonomous Region of Sardinia</i> Rosanna Laconi, <i>Environmental Safeguard Councillor of the Autonomous Region of Sardinia (tbc)</i> Stefania Crotta, <i>Italian Ministry of Environment and Energy Security</i> Barbara Proietti, <i>Italian Ministry of Environment and Energy Security</i></p>
DAY 2 – 10th April 2025	
8:30 – 09:00	Welcome coffee and registration
09:00 – 09:15	Introduction and presentation of the agenda
09:15 – 10:15	<p>The perspective of the participating island transition teams and projects</p> <p><i>This round table brings together island transition teams and project groups to share the intention of their participation in the workshop and exchange insights and experiences from their efforts for a clean energy transition and sustainable marine transport in their island communities. Each team or group will have up to five minutes to briefly present their context and key interests related to the workshop topics, setting the stage for a collaborative discussion.</i></p>
10:15 – 10:30	Raising Awareness on Energy Consumption in Maritime Transport and Ports

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	Riccardo Novo, <i>Clean energy for EU islands (3E)</i>
10:30 – 11:00	Coffee break
11:00 – 12:30	<p>How smart port energy management can support islands</p> <p><i>This round table will explore broader energy transition strategies for islands, starting from the positive examples of San Pietro Island and the island of Samsø. Experts from both islands, involved not only in port-related projects but in the wider energy transition process, will share their insight and experience. These case studies will serve as a starting point for an open discussion, inviting participants to share their perspectives, raise questions, reveal challenges, and highlight additional examples to collectively build insights and best practices.</i></p> <p>Moderator: Alexis Chatzimpiros, <i>Clean energy for EU islands (Samsø Energy Academy)</i></p> <p>Contributors for projects on San Pietro Island: Angelo Parodo, <i>Municipality of Carloforte</i> Omar Caboni, <i>Energy Manager of San Pietro Island, Municipality of Carloforte</i> Stefano Floris, <i>Enphos-Ingegnerist, HINSPIRATION project</i></p> <p>Contributors for projects on Samsø: Michael Kristensen, <i>Municipality of Samsø</i></p>
12:30 – 13:30	Light lunch
13:30 – 15:00	<p>Point of view from ferry companies and innovation perspective</p> <p><i>This round table will bring together ferry operators to share their views on strategic energy transition plans, highlighting key challenges and opportunities in decarbonizing maritime transport. Following this, a presentation will outline the European goals for maritime decarbonization, setting the policy framework. The discussion will then move to an outlook on technological innovations, exploring emerging solutions and advancements that can support the sector's transition towards sustainability.</i></p> <p>Moderator: Marta Gandiglio, <i>Politecnico di Torino</i></p>

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	<p><i>Contributors:</i> Stefania Falfari (UNIBO), Massimo Rivarolo (UNIGE), Paolo Marocco (POLITO), <i>SOFFHICE project</i> Gaia Rum, <i>Maregiglio, Islands of Giglio and Giannutri</i> Michael Kristensen, <i>Municipality of Samsø, Denmark</i> Kristian Carøe Lind, <i>OSK Design, Denmark</i> Carsten Kruse, <i>Director of the Port of Aarhus, Denmark</i></p>
15:00 – 15:30	Coffee break
15:30 – 16:30	<p>From vision to plan: how can marine transport fit into an island's clean energy transition?</p> <p><i>Reflection - working session in groups</i></p> <p><i>Moderator: Clean energy for EU islands (Samsø Energy Academy)</i></p>
16:30 – 17:00	<p>Moving forward: Sharing and discussion from the group session</p> <p><i>Interactive session with all participants</i></p> <p><i>Moderator: Clean energy for EU islands (Samsø Energy Academy)</i></p>
17:00 – 17:15	Wrap-up and conclusion
20:00 - 20:30	Showing short documentary "SACHA" on San Pietro island

*held in Italian with real-time english translation (personal headphones required)

tbc: to be confirmed