

## > 1<sup>ST</sup> NATIONAL WORKSHOP OF THE GMN PHASE II PROJECT

# EXPLORING SOLUTIONS FOR MARITIME DECARBONIZATION IN HONDURAS

*Working together to promote safer, more efficient and sustainable transport*

**For the Attention to: Maritime and Port Authority, Professionals, Organizations, Academia and Stakeholders.**



### DATE

May 29 - 30, 2025.



### VENUE

Hotel Hilton Princess  
San Pedro Sula, Honduras



### TIME

09:00 a 16:00  
(UTC - 6 Honduras Local Time).



### SPEAKERS

National and International.

## OBJECTIVES

- > Explore innovative strategies to reduce GHG emissions in line with global climate goals.
- > Advance the decarbonization of maritime transport in Honduras by focusing on practical energy efficiency technological solutions.
- > Financing opportunities for sustainable projects.
- > Promote gender equality in maritime energy efficiency initiatives.

5 GENDER  
EQUALITY



13 CLIMATE  
ACTION



## ORGANIZED BY



MTCC LATIN AMERICA  
Maritime Technology Cooperation Centre



Dirección General de  
la Marina Mercante  
Gobierno de la República



GMN | The Global  
MTCC Network  
A global network for energy-efficient shipping



UMIP




This project is financed by the  
European Union  
and implemented by the  
International Maritime Organization

**For more information, contact us at**

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## First National Workshop: Exploring Solutions for Maritime Decarbonization in Honduras, May 29-30, 2025, in San Pedro Sula, Honduras

### DAY 1: Thursday, May 29, 2025

TIME	SESSION	PRESENTERS
08:30 - 08:45	Arrival and registration	MTCC-LA
Official opening ceremony		
09:00 – 09:10	Welcome remarks	UMIP – President, Víctor Luna Barahona
09:15 – 09:25	Welcome and opening remarks	General Directorate of the Merchant Marine of Honduras – Edgar Soriano Ortiz
09:30 – 09:35	Greetings Remarks	ENP – Honduras National Port Company – Ing. Wendy Revelo
09:40- 09:50	Presentation of the <b>Global Gateway</b> Project in Latin America Promoting Connectivity, Sustainability, and Development in the Digital, Energy, and Transportation Sectors	Department of Cooperation Delegation of the European Union to Honduras – Alfredo Gadea
09:55 – 10:00	GROUP PHOTO	
10:05 – 10:30	COFFEE BREAK	
10:35 – 10:50	Presentation of the <b>GMN Phase II</b> Project  Objectives, approach, and role of member states  Connection with the 2023 IMO GHG Strategy  Global goals toward 2050	MTCC Latin America
10:55 – 11:15	The role of MTCC Latin America and the objectives of the National Workshop and future activities	MTCC Latin America

11:20 – 12:00	<p><b>SESSION 1: OVERVIEW OF THE MARITIME AND PORT SECTOR IN HONDURAS</b>  <b>Moderator:</b> Ervin Vargas  <b>Speakers:</b>  Honduras National Port Company (<b>ENP</b>) – Wendy Revelo  <b>General Directorate of the Merchant Marine of Honduras</b> – Laura Carbajal  <b>Avanza Group</b> – Roberto López Lemos</p> <div> <div> <ul style="list-style-type: none"> <li>• Present the current state of the maritime and port sector in Honduras.</li> <li>• Identify the main players, infrastructure, and key services.</li> <li>• Highlight the sector's challenges and opportunities in the face of climate change.</li> </ul> </div> <div> <p><b>Expected Outcomes:</b></p> <ul style="list-style-type: none"> <li>✚ Provide an overview of key stakeholders to address the challenges and opportunities of the maritime and port sector.</li> <li>✚ Shared understanding of the current situation of the maritime and port sector.</li> <li>✚ Preliminary mapping of challenges and opportunities for decarbonization.</li> </ul> </div> </div>
12:05 - 13:25	LUNCH BREAK
13:30 – 13:55	<p><b>SESSION 2: USE OF SUSTAINABLE ALTERNATIVE MARINE FUELS: EXPERIENCES AND LESSONS LEARNED</b>  <b>Moderator:</b> Martin Rousseaux  <b>Speakers:</b> Edilberto Peralta, <b>Lloyd Register</b>  Jose Alberto Rosas, <b>ABL Group</b>  Carlos Rivera Garín – <b>CROWLEY</b>  Italo Bonilla – <b>DGMM</b></p> <div> <div> <ul style="list-style-type: none"> <li>• Ammonia as a Marine Fuel and the Challenges of Decarbonization</li> <li>• Experience with Methanol as fuel on Merchant Ships</li> <li>• LNG as a Marine Fuel- Present and Perspective</li> <li>• Q&amp;A</li> </ul> </div> <div> <p><b>Expected Outcomes:</b></p> <ul style="list-style-type: none"> <li>✚ Identification of the challenges and opportunities on the use of alternative marine fuels</li> <li>✚ Identification of the most viable Alternative Marine Fuels for Honduras in the medium- and long-term implementation</li> </ul> </div> </div>
14:00 – 14:40	<p><b>SESSION 3: DECARBONIZATION IN ACTION – REGIONAL INITIATIVES AND LESSONS LEARNED</b>  <b>Moderator:</b> Roberto López Lemus  <b>Speakers:</b>  Gabriel Fuentes – <b>NHH</b>  Javier Díaz – <b>MTCC-LA</b>  Dhunnoo Kailash – <b>MPA</b></p>



	<ul style="list-style-type: none"> <li>Challenges and Opportunities in Maritime Education – MEDTI Project</li> <li>Green Maritime Corridor Projects and Other Initiatives</li> <li>Interaction with Statistical Indicators of Maritime Sustainability and Efficiency</li> <li>Green Port Project Proposal</li> </ul>	<b>Expected Outcomes:</b> <ul style="list-style-type: none"> <li>Understanding the various methodologies of decarbonization solutions that could be implemented within Honduras and Latin America region</li> </ul>
14:45 – 15:30	<b>SESSION 4: REGIONAL INDUSTRY ALLIANCE IN LATIN AMERICA (RIALA)</b> <b>Moderator:</b> Ervin Vargas – MTCC-Latin America <b>Speakers:</b> Alexis Rodríguez – MAERSK <b>Honduran Association of Shipping Companies and Representatives (AHCORENA)</b> – Adolfo Berrecil <b>International Maritime University of Panama (UMIP)</b> – Víctor Luna Barahona	
	<ul style="list-style-type: none"> <li>Groundwork for a collaborative regional alliance.</li> <li>Industry perspective on establishment of a RIA</li> <li>Stakeholders' engagement</li> <li>What is expected from such a RIA?</li> <li>What should be the priority of a RIA?</li> <li>Public-Private Partnership</li> </ul>	<b>Expected Outcomes:</b> <ul style="list-style-type: none"> <li>Promoting a Pathway for a Regional Industry Alliance in Latin America</li> </ul>
15:35 – 16:00	COFFEE BREAK	
16:05 – 17:00	<b>SESSION 5: PRACTICAL WORKSHOP – TECHNOLOGICAL SOLUTIONS – GROUP PRESENTATION</b> <b>Moderator:</b> José Mauricio Ávila <b>Speakers:</b> Martín Rousseaux – Rousseaux Ervin Vargas MTCC-LA	
	Maritime Decarbonization Technology Solutions Working Group Presentations / Case Studies	<b>Expected Outcomes:</b> <ul style="list-style-type: none"> <li>Dissemination of updated technical knowledge</li> <li>Strengthening national capacities</li> </ul>
17:05 - 17:30	Summary of Day 1	MTCC-LA
END OF DAY 1		

DAY 2: Friday, May 30, 2025		
07:00 - 07:05	Arrival and registration	MTCC-LA
	SESSION 6: FIELD VISIT – PUERTO CORTÉS	MTCC-LA / Dirección de Marina Mercante Honduras
07:10	Departure from the Hotel Venue to Puerto Cortes	<b>Expected Outcomes:</b>  Identification of opportunities for improvement in port and maritime energy efficiency  Exchange of experiences among key sector stakeholders
08:30 – 10:30	Arrival and field visit to <b>Puerto Cortés</b>	
10:35	Departure from <b>Puerto Cortés</b> facilities	
13:00 – 13:05	Arrival at Hotel Venue	
13:10 – 14:00	LUNCH BREAK	
14:05 – 14:55	SESSION 7: INTERACTIVE WORKSHOP: WAY FORWARD TO DEVELOP A DECARBONIZATION STRATEGY  Moderators: Ervin Vargas <b>MTCC-LA</b> Martín Rousseaux – <b>Rousseaux</b> Alexis Rodríguez – <b>MAERSK</b>	
	<ul style="list-style-type: none"><li>• SWOT analysis of the maritime sector in the face of decarbonization<ul style="list-style-type: none"><li>✓ Group 1: Maritime transport (cabotage, fishing, tourism)</li><li>✓ Group 2: Ports and Green Logistics</li><li>✓ Group 3: Regulation, education, and financing</li></ul></li><li>• Q &amp; A Session</li><li>• Feedback</li><li>• Session Summary</li></ul>	<b>Expected Outcomes:</b>  Understanding the measures implemented to decarbonized shipping that could be applied by Maritime Authorities, Ports and Canals
15:00 – 15:40	SESSION 8: PANEL DISCUSSION – THE ROLE OF FINANCING INSTITUTIONS AND THE BANKING SECTOR IN SUPPORTING MARITIME DECARBONIZATION PROJECTS <b>Moderator:</b> Yaninn Giselle Torres <b>Speakers:</b> Fausto Arroyo – <b>CAF</b>	

	<p>Financing Opportunities in the development of Sustainable Maritime Projects in Honduras and Latin America</p> <ul style="list-style-type: none"> <li>✓ Lessons learned</li> <li>✓ Challenges</li> <li>✓ Opportunities</li> <li>✓ Initiatives</li> </ul>	<p><b>Expected Outcomes:</b></p> <ul style="list-style-type: none"> <li>✚ Exploring opportunities for mobilizing finance at national and regional levels to support sustainable maritime decarbonization projects and initiatives</li> <li>✚ Understanding how to develop bankable proposals.</li> </ul>
15:45 - 16:15	<b>COFFEE BREAK</b>	
16:20 – 17:05	<p><b>SESSION 9: ROUND TABLE – PROMOTING GENDER EQUALITY TOWARDS MARITIME DECARBONIZATION IN HONDURAS</b></p> <p><b>Moderator:</b> Aricel Arauz</p> <p><b>Speakers:</b></p> <ul style="list-style-type: none"> <li>▪ <b>Red MAMLa Honduras</b> – Laura Rivera (<b>Permanent Representative of Honduras</b>) – Magdalena Santos (<b>Alternate Representative Honduras</b>) – Natalí Molina (<b>Alternate Member Honduras</b>)</li> <li>▪ <b>REMPort</b>– Laura Rivera (<b>President Protempore</b>)</li> <li>▪ <b>WISTA Honduras</b> – Neida Medina (<b>President WISTA Honduras</b>)</li> </ul>	
	<ul style="list-style-type: none"> <li>• Current Gender dynamics in the maritime industry in Honduras</li> <li>• The role of women in maritime decarbonization in Honduras</li> <li>• Capacity building and training</li> <li>• National and Regional Stakeholder Collaboration</li> </ul>	<p><b>Expected Outcomes:</b></p> <ul style="list-style-type: none"> <li>✚ Enhanced understanding of gender gaps and opportunities within the Honduras Maritime sector.</li> <li>✚ Identification of actionable strategies to increase women participation in Maritime Decarbonization initiatives as per SDG 5</li> </ul>
17:10 – 17:15	<b>FEEDBACK SESSION AND KNOWLEDGE ASSESSMENT – SURVEY</b>	<b>MTCC-LA</b>
17:20 – 17:30	<b>SUMMARY OF THE WORKSHOP</b>	<b>MTCC-LA</b>