



MTCC LATIN AMERICA
Maritime Technology Cooperation Centre



2ND NATIONAL WORKSHOP OF
THE GMN II PROJECT

Opportunities for Development, Innovation, and Transition Towards Maritime Decarbonization in Colombia

August 21 - 22, 2025

AGENDA



MTCC LATIN AMERICA
Maritime Technology Cooperation Centre



Dirección General Marítima
Autoridad Marítima Colombiana



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



UMIP



Global
Gateway



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

Second National Workshop: "Opportunities for Development, Innovation and Transition towards Maritime Decarbonization in Colombia", from August 21 to 22, 2025, at the Caribbean Oceanographic and Hydrographic Research Center (CIOH), Cartagena, Colombia

DAY 1: Thursday, August 21, 2025

TIME	SESSION	PRESENTERS
08:00 - 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 Maritime Directorate – John Fabio Giraldo Gallo
09:30 – 09:40	Presentation of the Global Gateway 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 Colombia – Alberto Menghini
09:45 – 09:55	GROUP PHOTO	
10:00 – 10:25	COFFEE BREAK	
10:30– 10:40	Presentation of the GMN Phase II Project - Objectives, approach, and role of member states - Connection with the 2023 IMO GHG Strategy - Global goals toward 2050	MTCC Latin America
10:45 – 10:55	The role of MTCC Latin America and the objectives of the National Workshop and future activities	MTCC Latin America
11:00 – 11:55	SESSION 1: OVERVIEW OF THE MARITIME AND PORT SECTOR IN COLOMBIA Moderator: Ervin Vargas Speakers: General Maritime Directorate – CN Alberto Luis Buelvas Multimodal Company – Carlos José González España Association of Shipowners of Colombia - (ARMCOL) – Magaly Aparicio Cartagena Port Group – Natalia Gil Betancourt Port Expert National University of Colombia – Alexander Eslava	

	• Present the current state of the maritime and port sector in Colombia. • Identify the main players, infrastructure, and key services. • Highlight the sector's challenges and opportunities in the face of climate change.	Expected Outcomes: ✚ Provide an overview of key stakeholders to address the challenges and opportunities of the maritime and port sector. ✚ Shared understanding of the current situation of the maritime and port sector. ✚ Preliminary mapping of challenges and opportunities for decarbonization.
12:00 - 13:00	LUNCH	
13:05 – 13:55	SESSION 2: USE OF SUSTAINABLE ALTERNATIVE MARINE FUELS: EXPERIENCES AND LESSONS LEARNED Moderator: Martin Rousseaux, Roussaux Speakers: Edilberto Peralta, Lloyd Register Jose Alberto Rosas, ABL Group Carlos Ovalle, Romil de Colombia Zona Franca SAS - Atlantik Bío	
	• Ammonia as a Marine Fuel • Experience with Methanol as Fuel in Merchant Ships • LNG as a Marine Fuel- Present and Perspective • Biofuel Opportunities in Colombia and the Region • Q & A	Expected Outcomes: ✚ Identification of the challenges and opportunities for the use of alternative marine fuels ✚ Identification of the most viable Alternative Marine Fuels for Colombia in the medium- and long-term implementation
14:00 – 14:40	SESSION 3: DECARBONIZATION IN ACTION – REGIONAL INITIATIVES AND LESSONS LEARNED Moderator: Capitán Marco Antonio Olier Mendoza - DIMAR Speakers: Gabriel Fuentes – NHH Javier Díaz – MTCC-LA Rafael Orjuela – PGCC LTDA	
	• Challenges and Opportunities in Maritime Education – MEDTI Project • Green Maritime Corridor Projects and Other Initiatives • Interaction with Statistical Indicators of Maritime Sustainability and Efficiency • Green Port Project Proposal	Expected Outcomes: ✚ Understanding the various methodologies of decarbonization solutions that could be implemented within Colombia and Latin America region

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14:45 – 15:30	SESSION 4: REGIONAL INDUSTRY ALLIANCE IN LATIN AMERICA (RIALA) Moderator: Javier Díaz – MTCC Latin America Speakers: Captain Michael Sánchez – COTECMAR Alexis Rodríguez – MAERSK Jaime Sánchez – Association of Shipowners of Colombia (ARMCOL) Margarita Cabrera – ASONAÚTICA Víctor Luna Barahona – UMIP	
	• Groundwork for a collaborative regional alliance. • Industry perspective on establishment of a RIA • Stakeholders' engagement • What is expected from such a RIA? • What should be the priority of a RIA? • Public-Private Partnership	Expected Outcomes: Promoting a Pathway for a Regional Industry Alliance in Latin America
15:35 – 16:00	COFFEE BREAK	
16:05 – 17:00	SESSION 5: PRACTICAL WORKSHOP – TECHNOLOGICAL SOLUTIONS – GROUP PRESENTATION Moderator: Yully Tatiana Palacio – DIMAR Speakers: Martín Rousseaux – Rousseaux Ervin Vargas – MTCC-LA	
	Maritime Decarbonization Technology Solutions Working Group Presentations / Case Studies	Expected Outcomes: • Dissemination of updated technical knowledge • Strengthening national capacities
17:05 - 17:30	Summary of Day 1	MTCC-LA
END OF DAY 1		

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DAY 2: Friday, August 22, 2025		
07:30 - 07:55	Arrival and registration	MTCC-LA
	SESSION 6: FIELD VISIT – COTECMAR	MTCC-LA / DIMAR
08:00	Departure to COTECMAR	Expected Outcomes: - Identification of opportunities for improvement in ports, shipyards and maritime energy efficiency - Exchange of experiences among key sector stakeholders
08:30 – 10:30	Arrival and Visit to COTECMAR (TBC)	
10:45	Departure from COTECMAR facilities to the CIOH	
11:30	Arrival at Venue CIOH	
11:55 – 12:20	Presentation of the GHG Emissions Reporting Program – Colombian Flag Fleet	DIMAR
12:25 – 13:25	LUNCH	
13:30 – 14:25	SESSION 7: INTERACTIVE WORKSHOP: WAY FORWARD TO DEVELOP A DECARBONIZATION STRATEGY Moderators: Ervin Vargas MTCC-LA Javier Díaz – MTCC-LA Martín Rousseaux – Rousseaux	
	- SWOT analysis of the maritime sector in the face of decarbonization ✓ Group 1: Maritime transport (cabotage, fishing, tourism) ✓ Group 2: Ports and Green Logistics ✓ Group 3: Regulation, education, and financing - Q & A Session - Feedback - Session Summary	Expected Outcomes: Understanding the measures implemented to decarbonized shipping that could be applied by Maritime Authorities, Ports and Canals
14:30 – 15:25	SESSION 8: PANEL DISCUSSION – THE ROLE OF FINANCING INSTITUTIONS AND THE BANKING SECTOR IN SUPPORTING MARITIME DECARBONIZATION PROJECTS Moderators: Carolina Herrera - ANDI Speakers: Agustina Calatayud – BID	

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	Javier Franco – Universidad Externado de Colombia	
	Financing Opportunities in the development of Sustainable Maritime Projects in Colombia and Latin America ✓ Lessons learned ✓ Challenges ✓ Opportunities ✓ Initiatives	Expected Outcomes: ✚ Exploring opportunities for mobilizing finance at national and regional levels to support sustainable maritime decarbonization projects and initiatives ✚ Understanding how to develop bankable proposals.
15:30 - 15:55	COFFEE BREAK	
	SESSION 9: ROUND TABLE – PROMOTING GENDER EQUALITY TOWARDS MARITIME DECARBONIZATION IN COLOMBIA Moderator: Aricel Arauz Speakers: ▪ Red MAMLa Colombia – Cristina Cantillo – DIMAR ▪ WISTA Colombia – Liliana Centanaro Acuña ▪ WISTA Panamá – Elvia Bustavino	
16:00 – 16:45	• Current Gender dynamics in the maritime industry in Colombia • The role of women in maritime decarbonization in Colombia • Capacity building and training • National and Regional Stakeholder Collaboration	Expected Outcomes: ✚ Enhanced understanding of gender gaps and opportunities within the Colombia Maritime sector. ✚ Identification of actionable strategies to increase women participation in Maritime Decarbonization initiatives as per SDG 5
16:50 – 17:00	FEEDBACK SESSION AND KNOWLEDGE ASSESSMENT – SURVEY	MTCC-LA
17:05 – 17:15	SUMMARY OF THE WORKSHOP	MTCC-LA

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