



MTCC LATIN AMERICA
Maritime Technology Cooperation Centre



AGENDA

**3RD NATIONAL WORKSHOP
OF THE GMN II PROJECT**

**PROMOTING MARITIME
DECARBONIZATION
IN GUATEMALA**
THROUGH INNOVATION AND CAPACITY BUILDING

November 11-12, 2025

Third National Workshop: “Promoting Maritime Decarbonization in Guatemala through Innovation and Capacity Building” from November 11 to 12, 2025, at the General Hector Alejandro Gramajo Morales Army Conference Center, Guatemala

DAY 1: Tuesday, November 11, 2025		
TIME	SESSION	PRESENTERS
08:00 - 08:45	Arrival and registration	MTCC-LA
Official opening ceremony		
09:00 – 09:10	Welcome and opening remarks	Vice Minister of the Navy – Vice Admiral EDWIN FEDERICO LOARCA CIFUENTE
09:15 – 09:25	Welcome remarks	UMIP/MTCC-LA – Ervin Vargas
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 Guatemala –
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

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11:00 – 11:55	SESSION 1: USE OF SUSTAINABLE ALTERNATIVE MARINE FUELS: EXPERIENCES AND LESSONS LEARNED Moderator: Martin Rousseaux, Roussaux Speakers: Edilberto Peralta, Lloyd Register Jose Alberto Rosas, ABL Group	
	<ul style="list-style-type: none"> • Ammonia as a Marine Fuel • Experience with Methanol as Fuel in Merchant Ships • LNG as a Marine Fuel- Present and Perspective • Biofuel Opportunities in Guatemala and the Region • Q & A 	Expected Outcomes: <ul style="list-style-type: none"> ✚ Identification of the challenges and opportunities for the use of alternative marine fuels ✚ Identification of the most viable Alternative Marine Fuels for Guatemala in the medium- and long-term implementation
12:00 - 13:00	LUNCH	
13:05 – 13:45	SESSION 2: OVERVIEW OF THE MARITIME AND PORT SECTOR IN GUATEMALA Moderator: Ervin Vargas Speakers: DIGEMAR – Lieutenant Commander Pablo Solares Ministry of Energy and Mines – Eng. Juan Carlos Escobar Ministry of Public Health and Social Assistance – Eng. Gerardo Ortiz	
	<ul style="list-style-type: none"> • Present the current state of the maritime and port sector in Guatemala. • Identify the main players, infrastructure, and key services. • Highlight the sector's challenges and opportunities in the face of climate change. 	Expected Outcomes: <ul style="list-style-type: none"> ✚ 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.

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	SESSION 3: DECARBONIZATION IN ACTION – REGIONAL INITIATIVES AND LESSONS LEARNED Moderator: DIGEMAR – Lieutenant Commander Pablo Solares Speakers: Gabriel Fuentes – NHH Javier Díaz – MTCC-LA	
	<ul style="list-style-type: none">Challenges and Opportunities in Maritime Education – MEDTI ProjectGreen Maritime Corridor Projects and Other InitiativesInteraction with Statistical Indicators of Maritime Sustainability and EfficiencyGreen Port Project Proposal	Expected Outcomes:  Understanding the various methodologies of decarbonization solutions that could be implemented within Guatemala and Latin America region
14:25 – 14:50	SESSION 4: REGIONAL INDUSTRY ALLIANCE IN LATIN AMERICA (RIALA) Moderator: Javier Díaz – MTCC Latin America Speakers: Alexis Rodríguez – MAERSK Martín Rousseaux – Rousseaux Ervin Vargas – UMIP	
	<ul style="list-style-type: none">Groundwork for a collaborative regional alliance.Industry perspective on establishment of a RIAStakeholders’ engagementWhat 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
14:55 – 15:00	Summary of Day 1	
END OF DAY 1		

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DAY 2: Wednesday, November 12, 2025

08:30 - 08:55	Arrival and registration	MTCC-LA
09:00 - 10:15	SESSION 5: PRACTICAL WORKSHOP – TECHNOLOGICAL SOLUTIONS – GROUP PRESENTATION Moderator: DIGEMAR – Lieutenant Commander Sara Navichoc 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
10:20 - 10:45	LUNCH	
10:50 - 11:55	SESSION 6: INTERACTIVE WORKSHOP: WAY FORWARD TO DEVELOP A DECARBONIZATION STRATEGY Moderators: Ervin Vargas MTCC-LA Javier Díaz – MTCC-LA Martín Rousseaux – Rousseaux	
	<ul style="list-style-type: none"> SWOT analysis of the maritime sector in the face of decarbonization <ul style="list-style-type: none"> ✓ 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
12:00 - 13:00	LUNCH	

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13:05 – 13:45	SESSION 7: PANEL DISCUSSION – THE ROLE OF FINANCING INSTITUTIONS AND THE BANKING SECTOR IN SUPPORTING MARITIME DECARBONIZATION PROJECTS Moderators: DIGEMAR – Lieutenant Commander Sara Navichoc Speakers: Fausto Arroyo – CAF Ervin Vargas – MTCC Latn America	
	Financing Opportunities in the development of Sustainable Maritime Projects in Guatemala and Latin America <ul style="list-style-type: none"> ✓ Lessons learned ✓ Challenges ✓ Opportunities ✓ Initiatives 	Expected Outcomes: <ul style="list-style-type: none"> ✚ Exploring opportunities for mobilizing finance at national and regional levels to support sustainable maritime decarbonization projects and initiatives ✚ Understanding how to develop bankable proposals.
13:50 – 14:30	SESSION 8: ROUND TABLE – PROMOTING GENDER EQUALITY TOWARDS MARITIME DECARBONIZATION IN GUATEMALA Moderator: Aricel Arauz Speakers: <ul style="list-style-type: none"> ▪ Red MAMLa Guatemala / DIGEMAR: Lieutenant Commander Sara Navichoc / Sublieutenant Jaquelina García ▪ WISTA Panamá – Elvia Bustavino 	
	<ul style="list-style-type: none"> • Current Gender dynamics in the maritime industry in Guatemala • The role of women in maritime decarbonization in Guatemala • Capacity building and training • National and Regional Stakeholder Collaboration 	Expected Outcomes: <ul style="list-style-type: none"> ✚ Enhanced understanding of gender gaps and opportunities within the Guatemala Maritime sector. ✚ Identification of actionable strategies to increase women participation in Maritime Decarbonization initiatives as per SDG 5
14:35 – 14:45	FEEDBACK SESSION AND KNOWLEDGE ASSESSMENT – SURVEY	MTCC-LA
14:50 – 15:00	SUMMARY OF THE WORKSHOP	MTCC-LA

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