

1st International Forum on Shipping and Port Decarbonization

Venue: Orchid room, Westin Chosun Hotel, Busan, Republic of Korea

Date: November 9th and 10th, 2023

Host Organization: Korea Maritime Institute

Organizer: Pacific Environment

Supporter: ClimateWorks Foundation

1. Background

The Earth is suffering from global warming caused by climate change, and the recently published IPCC report strongly recommends aligning with the Paris Agreement's 1.5°C temperature-warming limit by 2040. To address the climate emergency, the shipping sector, which is critical to global trade, must reduce its greenhouse gas emissions swiftly. In July, the IMO adopted a revised strategy to reduce greenhouse gas emissions to net-zero by or around 2050, with interim goals of reducing GHG emissions by 20-30% by 2030, and 70-80% by 2040.

Asia is the world's leading maritime cargo handling center, accounting for 42% of exports and 62% of imports. It is also home to three nations that dominate world shipbuilding – Republic of Korea, China and Japan – as well as the world's top bunkering hub, Singapore. For these reasons and more, the global shipping industry can only succeed in transitioning to be zero-emissions if maritime nations in Asia embrace, shape, and adopt zero-emission technologies and fuels.

Major maritime nations in the region have stepped up in launching research, development and demonstration projects to evaluate and trial technologies but challenges remain. In order to facilitate dialogue and foster collaboration among key stakeholders in Asia and abroad, this forum brings together officials and experts to share the latest actions and policy developments to advance zero-emission shipping, discuss challenges and lessons learned from ongoing initiatives, and explore possible ways for public and private actors in Asia to join hands in accelerating the shipping sector's transition.

The Korea Maritime Institute is humbled to invite regional Asia allies and other partners together for a Chatham House Rule conversation to exchange views, share ongoing policies and efforts, and foster areas for collaboration.

2. Objectives

- Showcase policies and private sector actions introduced to date to drive the development and uptake of zero-emission shipping fuels and technologies and share lessons learned
- Provide a forum for policymakers and experts to discuss and explore potential collaborative actions to address challenges for scaling up the supply and uptake of zero-emission fuels and technologies

3. Main Schedule

8 th November	9 th November	10 th November
18:30 Welcome Reception	09:00 – 18:00 International Forum on Shipping and Port Decarbonization	09:00 – 12:00 Field Study

★ Optional Visit to Port of Ulsan (1 hr drive), including:

- Visit HD Hyundai Heavy Industries Ulsan Shipyard, world's largest shipyard
- Visit Ulsan Port, tour methanol bunkering facility if possible or

★ Optional Visit to Port of Busan port, including:

- Visit Busan's electric ferry
- Visit Busan maritime cluster stakeholders

4. Forum Agenda

Time	Topic	Speaker
9:00 - 9:30	Registration and Morning Coffee	
9:30 - 9:50	Opening Remarks	
	Secretary General of IMO	Kitack Lim
	Ministry of Oceans and Fisheries	Minister or Vice Minister
	Korea Maritime Institute	Jongdeog Kim, President
	ClimateWorks Foundation	Jason Anderson Senior Program Director
Session 1, International Regulatory Development		
09:50 - 10:10	Response to Revised IMO Strategy on Reduction of GHG Emissions from Ships	Sveinung Oftedal Chair of the IMO Intersessional Working Group on Reduction of GHG Emissions from Ships
10:10 - 10:30	EU Fit for 55 Policy Package and Implications for Asia	Vera Tax Member of European Parliament
10:30 - 10:50	California Shipping Regulation, Federal Initiatives, US Inflation Reduction Act	California State Government, or CalEPA TBD
Session 2, Strategy of Member States in Asia		
10:50 - 11:10	International Shipping Decarbonization Strategy of RoK	MOF, TBD
11:10 - 11:30	Maritime Singapore Decarbonization Blueprint	Singapore MPA, TBD
11:30 - 11:50	Shanghai Port Green Shipping Initiatives and China Electric Ship Innovation Alliance	Shanghai Municipal Transportation Commission [invited]
11:50 - 12:10	Japan's Next Generation Vessel Development Program and Roadmap for Zero Emission from International Shipping	Maritime Bureau, MLIT TBD

12:10 - 13:30	Lunch Break	
Session 3. Sourcing Renewably-derived Marine Fuels		
13:30 - 13:50	Renewable Energy for Zero-emission Ocean Shipping Corridors: Green Hydrogen Feasibility and Renewable Energy Hotspots	Xiaoli Mao International Council on Clean Transportation [invited]
13:50 - 14:10	Offshore Wind and Solar Energy: Opportunities for Shipping to be an Offtaker, and Enabler of the Shipment of Renewable fuels	YoungHo Lee Korea Maritime & Ocean University
14:10 - 14:30	Sourcing Renewably-derived Fuels from Developing Countries, Implications for Asian Countries	Dominik Englert World Bank [invited]
14:30 - 15:00	Coffee Break	
Session 4. Tools for Enabling and Accelerating Deployment of Scalable Low/Zero Emission Fuels and Technologies		
15:00 - 15:20	Green Shipping Corridors: Tools, Opportunities and Best Practices	Anne Katrine Bjerregaard Maersk Mc-Kinney Moller Center for Zero Carbon Shipping [invited]
15:20 - 15:40	Financing Green Shipping: Poseidon Principle and Financial Risks of Stranded Asset	Michael Parker Citi bank [invited]
15:40 - 16:00	First Movers Coalition: Providing Demand for Zero-emission Shipping Solutions	TBD
16:00 - 16:20	Ensuring Safe Handling of New Fuels: Ulsan Methanol Bunkering in Ulsan	UPA, TBD
Session 5. Roundtable Discussion – Public and Private Sector Joint Actions to Enable Shipping to Reach Net Zero Emission by Mid-century		
16:20 - 17:50	Moderator: Dr. Han-seon Park, Korea Maritime Institute Panelists: Ministry of Oceans and Fisheries of ROK, IMO, DNV, University College London, HD Hyundai Heavy Industries, Transport & Environment - What are the biggest challenges for shipping to convert to zero-emissions in Asia? - What public and private actions are critical for stimulating uptake and secure supply of zero-emission fuels and infrastructure in Asia? - In the next three years, what collaborative actions could public and private stakeholders in Asia take to put shipping on the path to reach the Paris Agreement targets?	
Closing Remarks		
17:50 - 17:55	Pacific Environment	Grace Healy Interim Senior Director
17:55	Networking Dinner	