Report on the PIANC-IAPH Asian Seminar 2026

On October 23, 2026, the PIANC-IAPH Asian Seminar 2026 was successfully held with the support of the Ministry of Land, Infrastructure, Transport and Tourism (MILT), Fisheries Agency of the Ministry of Agriculture, Forestry and Fisheries (MAFF) and Japan International Cooperation Agency (JICA).

Since 2021, the PIANC Asian Seminar has addressed a wide range of issues related to waterborne transport infrastructure, including coastal disaster prevention, port and harbor maintenance, siltation, soft ground improvement and environmental restoration.

This year as the sixth webinar, a webinar was organized to share the latest knowledge and technologies under the theme of “Decarbonization in Ports and Harbours “. This was the first time since 2001 that the webinar was co-hosted with IAPH, a sister organization of PIANC.

Distinguished speakers from across Asia delivered lectures on a wide range of topics, including specific decarbonization measures and their effectiveness, as well as the new role of ports as energy hubs and the development of related policies. The presentations also covered perspectives on evaluating decarbonization efforts at various ports, implementation challenges, and the quantification of blue carbon and its reflection in policy.

About 180 participants from 19 countries/regions attended the seminar, about 70 of which were from overseas (Indonesia, India, the Philippines, Malaysia, Singapore, Cambodia, Vietnam and USA etc.).

Seminar Program

Date & Time: Friday, October 23, 15:30 - 17:45 (JST)

Opening Remarks from Organizers

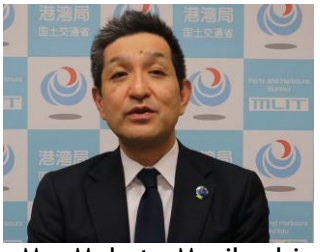
Dr. Yoshiaki Kuriyama, Vice President of PIANC
Dr. Ichio Motono, Vice President of IAPH


Dr. Yoshiaki Kuriyama


Dr. Ichio Motono

Opening Address

Mr. Makoto Morihashi, Deputy Director General for Engineering Affairs, Ports and Harbours Bureau, MLIT, Japan.


Mr. Makoto Morihashi

Video Message from PIANC HQ

Mr. Francisco Esteban Lefler, President of PIANC, gave the audience an insightful message highlighting the importance of global cooperation in achieving port decarbonization and carbon neutrality, as well as the vital role of PIANC and IAPH in supporting sustainable maritime development.



Mr. Francisco Esteban Lefler

-Lecture Session

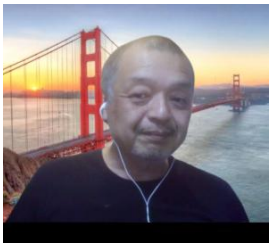
Moderator: Mr. Takeshi Nakazaki,
Member of PIANC EnviCom (Environmental Commission)


Mr. Takeshi Nakazaki

Lecture 1: **Climate Change Countermeasures in Ports: Toward Carbon Neutrality**

Dr. Yoshihisa Sugimura, Kobe University, Japan

- Port Decarbonization in the Supply Chain: Roles and Competitiveness
- Climate Action Measures & Japan's Carbon Neutral Port Initiative
- Hakata Port Case: Emission Reductions & Economic Feasibility
- Port Governance and Policy Tools for Climate Action
- Singapore's Net-Zero Roadmap and Cross-Country Comparisons of Port Emissions
- Blue Carbon and the Path to Carbon-Neutral Ports


Dr. Yoshihisa Sugimura

Lecture 2: **Navigating the Green Horizon: Redefining Port as Energy Hubs - A DPA perspective**

Mr. Nilabhra Dasgupta, IRS, Deendayal Port Authority, India

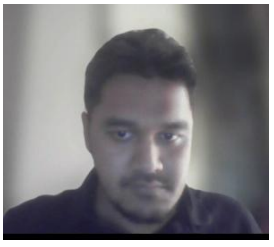
- The Global Agenda for Maritime Decarbonization
- Ports as Energy Hubs: A New Role for Ports
- Key Strategies for Port Decarbonization
- Global Best Practices in Port Energy Transition
- India's Policy Framework and Deendayal Port's Green Transformation
- International Collaboration for a Net-Zero Maritime Future


Mr. Nilabhra Dasgupta, IRS

Lecture 3: **Assessment on Port Decarbonization - Closing Decarbonization Gap in Ports (Indonesia case)**

Mr. Muhammad Raihan S., BKI (Biro Klasifikasi Indonesia)

- Indonesia's Port Sector, the Green & Smart Port Assessment Framework
- Management: Long-Term Planning, Environmental Commitment & Social Responsibility
- Technical Measures: Safe Operations, Electrification & Clean Energy
- Digitalization, Automation for Port Efficiency & Emission Reduction
- Implementation Challenges: Investment, Local Conditions, Regulation & Workforce Impacts
- Green & Smart Port Achievements and International Recognition


Mr. Muhammad Raihan S.

Lecture 4: **Harnessing Blue Carbon Ecosystems for Carbon Neutrality**

Dr. Kenta Watanabe, Port and Airport Research Institute (PARI), Japan

- Blue Carbon Ecosystems and Their Role in Climate Mitigation
- Carbon Removal and Storage Pathways in Coastal Ecosystems
- Measuring and Quantifying Blue Carbon: Habitat Mapping, Biomass & Long-Term Storage
- Blue Carbon in Japan's GHG Inventory & NDC (Nationally Determined Contribution)
- Blue Infrastructure & the Carbon Neutral Port Initiative
- J-Blue Credit & PIANC Guidelines for Blue Carbon Implementation


Dr. Kenta Watanabe

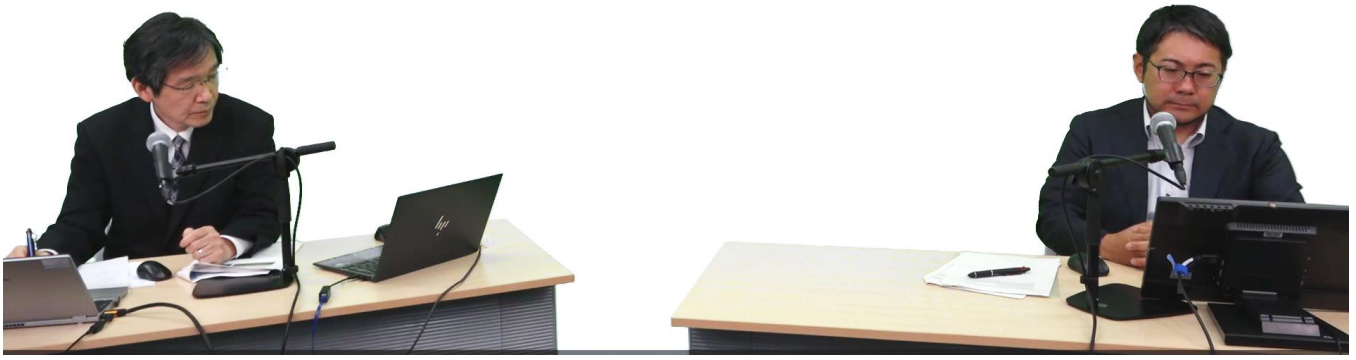
*The presentation materials will be posted on this website at a later date.

-Question and Answer Session

Questions from the audience were collected through the Chat icon of the webinar. Moderator Nakazaki summarized and introduced those questions to the lecturers.

*The Q & A summary will be posted on this website at a later date.



Closing Address

Mr. Katsuhiko Nakamura, Director of Construction Division, Fisheries Infrastructure Department, Fisheries Agency, MAFF Japan



Mr. Katsuhiko Nakamura

Acknowledgements

Our heartfelt appreciation is extended to all lecturers, MLIT, MAFF, JICA, webinar staff members from National Institute for Land Infrastructure Management (NILIM), Port and Airport Research Institute (PARI), as well as the parties concerned of IAPH, PIANC for their enormous contribution in the preparation of the seminar.