

SUMMARY OF DELIVERED ACTIVITIES BY MTCCS

JULY

MTCC Asia – Workshop on GHG Emissions Reduction, 15-17 July 2020



A workshop on GHG Emissions Reduction was successfully organized by Shanghai Maritime University (MTCC Asia), China Ministry of Transport and Communications, Department of Marine Administration of Myanmar, and Myanmar Maritime University from 15th to 17th July 2020 in Shanghai, China. 31 participants from Bangladesh, Cambodia, India, Myanmar, Malaysia, Thailand, and China attended the conference. Following a review of global shipping dynamics during Covid-19, the workshop was organized with the aim of covering the current needs analysis, challenges, and solutions for GHG control. This workshop was designed to help achieve several long-term goals relating to raising awareness of energy efficiency policies and technologies in the maritime industries, and implementation of IMO instruments and methodologies on Energy Efficiency to help mitigate climate change.

OCTOBER

MTCC Asia – Regional Ship Energy Efficiency Technology Promotion Campaign, 10 October 2020 – 25 February 2021

The technology promotion campaign aimed to enhance the engagement with governments on Nationally Determined Contributions (NDCs) with other Asian maritime countries, by providing a series of technological services. It aimed to disseminate and transfer knowledge of GHG technologies, conventions, and maritime standards in the respect of MARPOL Annex VI, 2020 IMO Sulphur emissions limit, and implementation of the GHG initial strategy of IMO by visiting relevant Asian countries and to help relevant Asian countries to assess and determine the Nationally Determined Contributions (NDCs) of GHG reduction by researching and consulting.

Presentations related to ship energy efficiency, theory and practice on ship speed reduction for promotion of energy efficiency, and in-situ introduction of the research projects in the SMU integrated engine room lab were delivered.

The technology promotion campaign comprised of a number of workshops with four workshops having been successfully held by MTCC Asia and its partners to date.

10th October 2020 - MTCC Asia and Malaysia

The workshop, organized by MTCC Asia, Marine Department Malaysia and Shanghai Maritime University (SMU), was attended remotely by 40 representatives from China and Malaysia's shipping industry.

26th November 2020 - MTCC Asia and Myanmar

The workshop, organized by MTCC Asia, Myanmar Maritime University (MMU) and Shanghai Maritime University (SMU), was attended remotely by 38 representatives from the shipping industry of China and Myanmar.

7th December 2020 - MTCC Asia and the Philippines

The workshop, organized by MTCC Asia, Maritime Academy of Asia & the Pacific (MAAP) and Shanghai Maritime University (SMU), was attended remotely by about 40 representatives from the shipping industry of China and the Philippines.



16th December 2020 - MTCC Asia and Bangladesh

The workshop, organized by MTCC Asia, Bangabandhu Sheikh Mujibur Rahman Maritime University (BSMRMU) and Shanghai Maritime University (SMU), was attended remotely by approximately 35 representatives from the shipping industry of China and Bangladesh.



FUTURE WORKSHOPS

The remaining 2 technology promotion campaign workshops with Indonesia and Cambodia will be delivered in the 1st quarter of 2021.

OCTOBER

MTCC Caribbean – Regional Webinar Series, 28 October – 18 November 2020

The webinar series served as a medium for the exchange of knowledge, ideas and experiences and received participation from over 100 participants across four weeks. Presentations were delivered by MTCC Caribbean as well as guest speakers. This was supplemented by panel discussions to help fuel collaboration and knowledge sharing. The webinars were attended by a mix of regional stakeholders which comprised of representatives from maritime administrations, port state inspectors, ship owners, ship operators, port authorities, regulators, ministry representatives, maritime

technology providers, green energy providers, international organizations, civil society and academics.

Valuable feedback was received and core issues on maritime climate action were discussed. The main outcomes of the webinar series included:

- An update on the level of compliance in the Caribbean region and contemporary challenges in the implementation of MARPOL Annex VI;
- The facilitation of discussions on the state of implementation of the IMO's 2020 Sulphur Limit, including approaches to achieve the IMO's initial GHG reduction strategy;



- The enhancement of the regional approach towards the implementation of MARPOL Annex VI; and
- Exchange of Perspectives on the national implementation of MARPOL Annex VI using existing legal and institutional capacity.

OCTOBER

MTCC Pacific – Women in Maritime Virtual discussion, 21 October 2020

The virtual tok-tok series focused on adaptive responses in implementing the work plan identified in the Regional Strategy for Pacific Women in Maritime (2020-2024). The meeting was organised by Pacific Community (SPC) and supported by the MTCC Pacific and Pacific Women in Maritime Association (PacWIMA).

This virtual series was centred around the impact that Covid-19 is having on the maritime sector, the increased importance of the sector, and the role women play as community users within the sector. Furthermore, the series provided an opportunity for the State Women in Maritime Associations to provide activity updates aligned to the Regional Strategy.

The participants agreed to continue the dialogue around the impacts caused by Covid-19 and sought adaptive responses that could contribute to inform the implementation of the PacWIMA Workplan 2018-2020 including the activities identified in the Regional Strategy.

OCTOBER

MTCC Africa – Role of Women in Decarbonization, 29 October 2020

MTCC Africa hosted a virtual webinar titled "Role of Women in Decarbonization" that was held on 29th October 2020. The workshop focused on climate change mitigation in the maritime and shipping industry, taking into account the 2030 United Nations Sustainable Agenda and Goals (UN SDGs) and in particular Goal 5 on gender equality.

the role women play in this issue. In her remarks, President of the World Maritime University, Ms. Doumbia-Henry highlighted that gender equality is fundamental to ensure the achievement of an efficient and effective transition to a low-carbon economy. "Decarbonization requires a complete transformation of society

from production to consumption taking into account the global supply chain and the need for the full participation of all members of society, including women" she said. Presentations on the topic were tailored to the legal, environment, innovation and technology aspects of decarbonization.

Keynote addresses were given in relation to decarbonization in the maritime and shipping industry and



MTCC Pacific – National Workshop Vanuatu, 12 November 2020

Vanuatu Virtual National Workshop for Domestic Ship Operators on MARPOL Annex VI

The second follow up National Workshop for Domestic Ship Operators on MARPOL Annex VI was held virtually by the MTCC Pacific staff based in Suva, Fiji, and Vanuatu maritime stakeholders at the Melanesian Hotel in Port Vila, Vanuatu on 12th November 2020. The meetings were attended by representatives from the newly established Office of Maritime Regulator (OMR), Ports and Marine, Ministry of Infrastructure and Public, and ship operators.

The purpose of the virtual workshop was to recall the first national workshop outcome, provide an update of the MTCC Pacific project on the solar PV system onboard Tiwi Trader and provide information to the participants on some of the progressive technical tools being deployed to drive energy efficient operation of ships. This included the knowledge of the benefits of MARPOL Annex VI with particular attention to the Sulphur limit.

MTCC Asia – Global Green Maritime Forum, 18 November 2020

The 2020 Global Green Maritime Forum, hosted by MTCC Asia on 18 November 2020, brought together interested stakeholders on discussions about the latest developments on national policies and crucial measures being taken to support decarbonization of the maritime sectors, with the key objective to facilitate the implementation of IMO Initial GHG Strategy. The forum was attended by around 100 representatives and participants from 22 countries including Denmark, Sweden, Turkey, the Philippines, India, Thailand, Myanmar, Cambodia, Sri Lanka and Malaysia.



In his welcome speech, Prof. Dr. Lu Jing, President of the Shanghai Maritime University (SMU), the Host Institute of MTCC Asia, pointed out the need for the international shipping industry to promote global governance and thereby bring about a win-win cooperation for decarbonization within the maritime sectors, and reaffirmed SMU's support for MTCC Asia to successfully fulfil its mission. Mr. Andreas Nordseth, Director General of Danish Maritime Authority, in his keynote speech, addressed major technological developments on GHG reduction from ships and praised MTCC Asia's concrete actions towards climate mitigation from the maritime shipping industry.

Speaking on behalf of IMO Department of Partnerships and Projects, Mr. Anton Rhodes, Project Manager of the Global MTCCs Network (GMN), acknowledged the tremendous achievements having been made by MTCC Asia in serving developing countries in Asia on capacity building activities and technology transfer initiatives for improving energy efficiency in ships and at ports. He then gave an update about IMO's latest developments and actions on the GHG agenda, including the launch of new major projects in respect of this endeavour.

Chaired by Prof. Xin Shi, Executive Director of MTCC Asia and Vice President of SMU, the forum was also addressed by speakers from Maritime Safety Administration of China, Directorate General of Shipping of India, Marine Department of Thailand, Shanghai Municipal Transportation Commission, and World Maritime University on their implementation strategies and operations for low-carbon shipping.

A technical panel discussion, moderated by Prof. Wei Ruan, Head of MTCC Asia, saw participation of technical experts from General Department of Waterway-Maritime Transport and Port of Cambodia, Department of Marine Administration of Myanmar, Maritime Safety Administration of Shanghai, China Classification Society, COSCO-Shipping Group, Shanghai International Port Group, Bernhard Schulte Group, and Costamare Group. There were lively discussions on the topic of Fourth IMO GHG Study Report and green actions post Covid-19.

This annual forum was the third of its kind delivered by MTCC Asia, with financial support being provided by the Shanghai local government, China. Despite the disruptions and challenges caused by the pandemic, this year's forum was delivered as planned with a modality combining virtual participation and in-person attendance on the campus of SMU.

DECEMBER

MTCC Pacific – National Workshop Samoa, 10 December 2020

Samoa Virtual National Workshop for Domestic Ship Operators on MARPOL Annex VI

The follow-up virtual National Workshop for Domestic Ship Operators on MARPOL Annex VI was held virtually by the MTCC Pacific staff based in Suva, Fiji and Samoan maritime stakeholders at the Samoa Ministry of Works, Transport, and Infrastructure (MWTI) conference room in Apia, Samoa on the 10th and 11th of December 2020. The meetings were attended by representatives from the MWTI, The Samoa Shipping Corporation (SCC) and the Samoa Ministry of Natural Resources and Environment (MNRE).

The National Virtual Workshop on MARPOL Annex VI concluded with discussions related to the specifics of both the SEEMP and EEOI implementation together with the continuity of the MTCC Pacific project where most ship owners and operators were showing interest in integrating the solar PV system onboard their vessels to reduce the operational costs and Greenhouse Gas emissions. Workshop participants commended the MTCC Pacific for engaging in such an innovative project in Samoa and also pledged their full support with any future collaborations with the MTCC Pacific and also nationally to ensure a reduction of GHG emissions from the maritime sector.

DECEMBER

MTCC Asia – E-learning Courses

MTCC Asia is in the process of developing new e-learning courses on energy efficiency. 7 e-learning courses subjects, i.e, the Implementation of IMO GHG Conventions and Regulations, Review and Researches on the IMO Forth Study Report, GHG Control Practices Onboard, Ship

Energy Efficiency Assessment, Port Energy Efficiency, Key Ship Energy Technologies, and National GHG Reduction Strategies are already finalized. MTCC Asia plans to use those course achievements and materials in capacity-building and research activities.

