



### MARITIME TECHNOLOGY COOPERATION CENTRE – PACIFIC (MTCC-PACIFIC)



THE GLOBAL MTCC NETWORK (GMN) PROJECT

MTCC- Pacific Update

Presenter: M. A. Zullah

**Maritime Energy & Safety Adviser** 

zullahm@spc.int











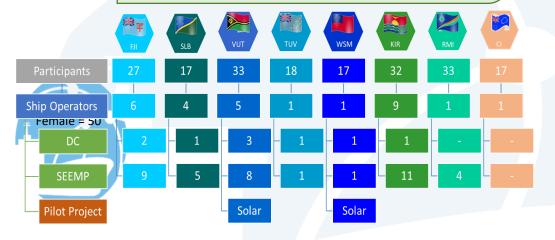
The Global MTCC Network (GMN) project is funded by the European Union and implemented by the IMO.

## IN-COUNTRY TECHNICAL ASSISTANCE





National Workshops: Information and capacity building on EE measures/ operations, management and data collection.



Port Energy Audits: Identify energy reduction opportunities and guidance on implementation



Private sector engagement critical



Technological & operational measures adapted to individual vessels



Partnership & Technical Cooperation

Ports Energy Audit

Lev. 1

Lev. 2

Lev. 1

Lev. 1

Lev. 1

Lev. 1

Lev. 1

## **NATIONAL WORKSHOPS**





- Overall good attendance in NW
- Group discussion on issues relating SEEO
- Discussion on CC, GHGE and P/SEM measures
- Interactive knowledge transfer on EEDI, EEOI, SEEMP, and PIDSS
- Interactive sessions on IMO GMN technology transfer and technical cooperation- SEET
  - PBCF, LED, WHRS, SG, and PV
- Discussion on the climate mitigation in the maritime industry: To reduce fuel oil consumption and GHG emission.
  - What are the drivers?
  - What are the <u>needs</u>?
  - What are the <u>barriers</u>?
  - What are the <u>relevant actions</u>?





#### FIRST NATIONAL WORKSHOP ON ENERGY EFFICIENT OPERATION OF SHIPS

Honiara, Solomon Islands, 13-15 February 2018

#### OUTCOMES

- 1. The First National Workshop on Energy Efficient Operations of Ships held in Honiara, Solomon Islands from 13 to 15 February 2018. The workshop was coordinated and facilitated by the Maritime Technology Cooperation Centre in the Pacific (MTCC-Pacific) and attended by representatives from the Ministry of Infrastructure & Development, Solomon Islands Maritime Safety Administration (SIMSA), Islands Marine & Mechanical Engineering Contractor, Small Malaita Shipping Company Ltd, LD.C Shipping, Franjti Shipping, Lauru Shipping Ltd, Nofokava Transportation and Anolpha Enterprises. The list of participants is attached in Annex 1.
- 2. MTCC-Pacific is hosted by the Pacific Community (SPC) in collaboration with the Secretariat of the Pacific Regional Environment Programme (SPREP) that form part of the Global MTCC Network (GMN), a project implemented by the International Maritime Organization (IMO) and funded by the European Union (EU) with the aim of building capacity of small island developing states (SIDS) and least developed countries (LOC) for climate mitigation in the maritime industry.
- The welcoming speech was delivered by the Solomon Islands Acting Permanent Secretary for the Ministry of Infrastructure and Development (MID), Jimmy Nuake, and highlighted the commitment of Solomon Islands saying, "Increasing the energy efficiency of the Moritime Transport Industry (MTI) is a priority for our nation and for our region. The Solomon Islands Government is committed to lead by example and we are calling on leaders in every sector of our MTI to join us in making energy efficient operations a priority."
- The opening remarks were delivered by the Director of SIMSA, Capt. Timothy Whiteford Harris, who
  welcomed the participants and recalled the ongoing process of changing from the Government
  Maritime Safety Administration (SIMSA) to an independent self-governing Maritime Authority
  (SIMA).
- 5. In his opening address, MTCC-Pacific (Maritime) Transport Greenhouse Gas Advisor reiterated the commitments from MTCC-Pacific host institutions (SPC & SPREP) and its partners to assist the Pacific region in climate mitigation in the maritime transport industry and support the uptake of new technologies and operations.
- The purpose of the meeting was to gather the relevant maritime transport industry stakeholders, government and administration, and ship operators to agree on measures to improve energy efficiency of shipping in the Solomon Islands and provide them with technical tools to progress towards ship energy efficient operations.











- Agreed to take relevant action to mitigate greenhouse gas emissions (GHGE) and create awareness
  amongst the ship owners/operators in Solomon Islands on the benefits of ship energy efficient ship
  operations (SEEO) toward reduction of fuel oil consumption and reduction of GHGE.
- 8. Recognize the drivers, needs, barriers and relevant actions stated in Annex 2 that include:
  - . Capacity Building (C-B) e.g. HR Development and awareness of training opportunities
  - Improve profitability of ships, reliability and efficiency of domestic shipping;
  - Legislation, regulations and standards for domestic ships including safety, training pollution prevention and efficiency:
  - iv. Acknowledging challenges of the pacific by the international community;
  - Non-signatory to International Conventions;
  - vi. Availability of cost affordable spare parts and technologies;
  - ii. Insufficient specialized staff;
  - viii. Inconsistent purchase of vessels under grant; and
  - x. Cost of Energy.
- Agreed to participate and be involved in MTCC-Pacific pilot-projects on energy efficient operations
  of ships and data collection that will assist in implementing immediate actions adapted to Solomon
  Islands registered vessels and ports.
- Agreed to collect and share relevant data on fuel oil consumption through an Agreement between SIMSA and MTCC-Pacific and request MTCC-Pacific to provide templates and assist in collection and reporting, ensuring confidentiality and accessibility of information.
- Recognized existing traditional shipping methods with available technology capabilities and future opportunities in Solomon Islands to build and maintain safe, energy efficient vessels.
- Requested MTCC-Pacific to coordinate and facilitate a follow-up workshop with the Pacific Island
  Development Ship Safety Programme (PIDSS) to present and discuss progress on measures
  implemented in 2017-2018 related to energy efficiency and data collection in the Solomon Islands
  maritime transport industry.

## Opportunities and Learning





- Review energy efficient technologies for PIC vessel types
- Practical demonstration
- Data collection training
- Template developed through national and regional participation
- Conducted together with safety procedures with extensive involvement from ship operators and maritime administration



- Lighting upgrade to LED
- "Switch the light" new policy
- **Green Pacific Ports**

- Capacity building for climate mitigation in shipping industry
- Range of topics
- complete in own time/own pace





# The Global MTCC Network (GMN) project is funded by the European Union and is implemented by IMO

## THANK YOU



