



GMN | The Global
MTCC Network
A global network for energy-efficient shipping



MTCC PACIFIC
Maritime Technology Cooperation Centre

MARITIME TECHNOLOGY COOPERATION CENTRE – PACIFIC (MTCC-PACIFIC)

CAPACITY BUILDING FOR CLIMATE MITIGATION IN THE
MARITIME SHIPPING INDUSTRY
THE GLOBAL MTCC NETWORK (GMN) PROJECT

MTCC- Pacific: Regional Reflections

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EUROPEAN UNION



INTERNATIONAL
MARITIME
ORGANIZATION



Pacific
Community
Communauté
du Pacifique

HOST INSTITUTIONS
OF MTCC-PACIFIC



SPREP
Secretariat of the Pacific Regional
Environment Programme

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

Content



REGIONAL
PERSPECTIVES



BEST PRACTICES



NEEDS &
BARRIERS



OPPORTUNITIES
& LEARNING



SUCCESS
STORIES

Regional Perspectives

Long term goals:

Pacific Maritime transport have **embraced low-carbon development and innovation to reduce GHG emissions** and contribute to the Pacific Islands Countries emissions reduction targets

Inputs

- SPC expertise
- Networking & Partnerships
- Data management systems
- Training
- MEL methods
- Comms & Visibility

Outputs

- Capacity building
- Demonstration projects
- Drafted policies/laws
- Analysed data

Short – term Outcomes

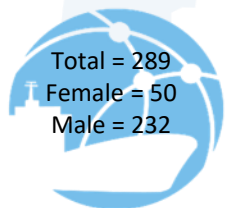
- Improved capacity
- Demonstration projects show benefits
- PICs adopted polices/laws/standards




Medium – term Outcomes

- PICs maritime industry uptakes low-carbon technologies
- PICs maritime administrations improved capacity and systems

Best Practices

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

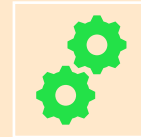

 Total = 289
 Female = 50
 Male = 232

								
Participants	27	17	33	18	17	32	33	17
Ship Operators	6	4	5	1	1	9	1	1
DC	2	1	3	1	1	1	-	-
SEEMP	9	5	8	1	1	11	4	-
Pilot Project			Solar		Solar			

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



Private sector engagement critical

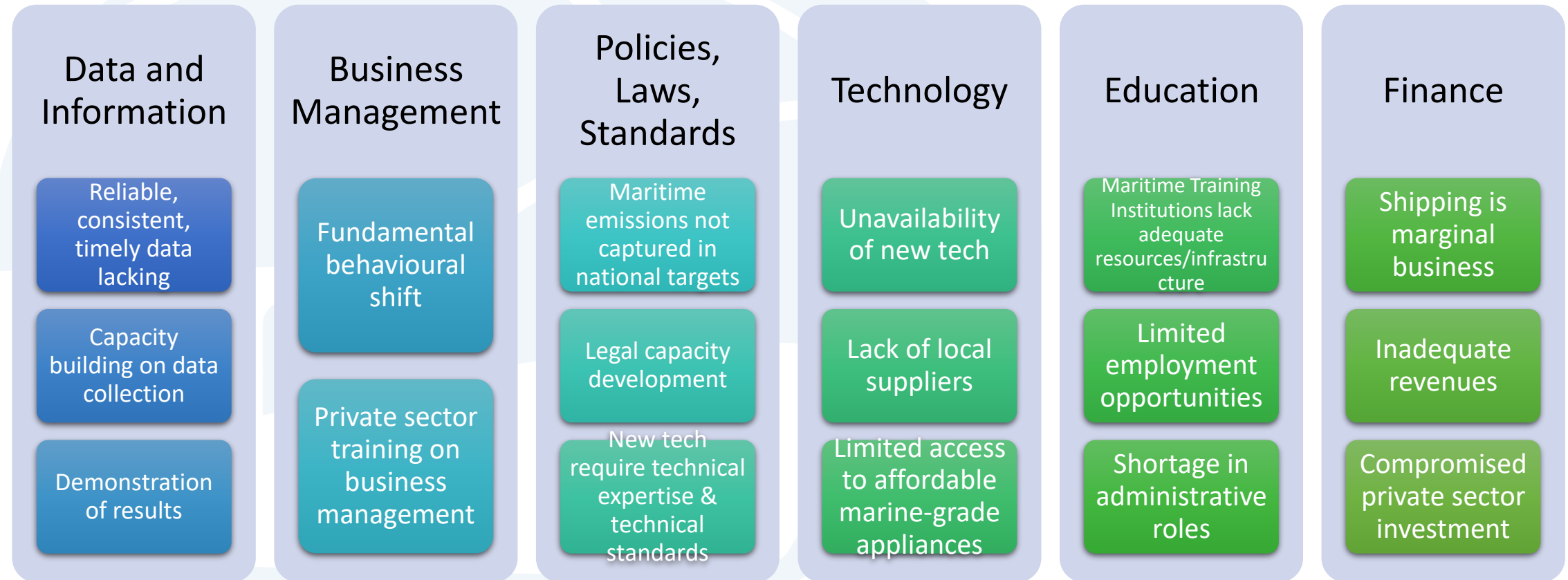


Technological & operational measures adapted to individual vessels



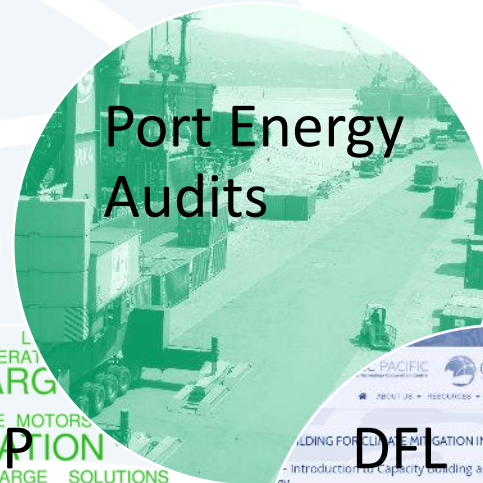
Partnership & Technical Cooperation

Need and Barriers



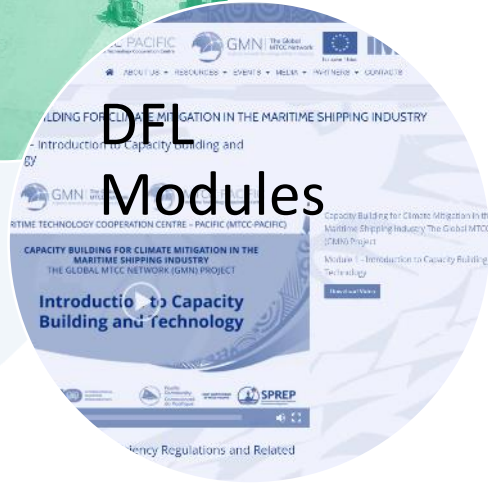
Opportunities and Learning

- Review energy efficient technologies for PIC vessel types
- Practical demonstration
- Data collection training



- Lighting upgrade to LED
- “Switch the light” new policy
- Green Pacific Ports

- Template developed through national and regional participation
- Conducted together with PIDSS (SOP)
- extensive involvement from ship owners, operators, DPA and maritime administration



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

Domestic Shipping

- 3 shipping companies: Samoa Shipping Company (Samoa), Vanuatu Ferry Limited (Vanuatu), Franjti Shipping Limited (Solomon Is.)
- 2 out of the 3 are female operators
- After commission, LC Tiwi Trader savings amounted to approximately €29,477 and 226 tons of GHGe reduction annually.
- Return of investment ~1.5 years

Success Stories

Ports

Solomon Islands Ports Authority

- 8 months Savings
 - 27% electricity emissions
 - 13% electricity and fuels.

Fiji Ports Corporation Limited

- 21% of office electricity usage.
- 19,000 FJD reduced as a result of the power factor correction.

Port of Tonga

- 6 months
- 17% electricity emissions
11% electricity and fuels.





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THANK YOU

