

# KIRIBATI TRAINING ON PACIFIC ISLAND DOMESTIC SAFETY PROGRAMME (PIDSS) & NATIONAL WORKSHOP ON ENERGY EFFICIENT OPERATIONS OF SHIPS (SEEO)

Tarawa, Kiribati, 19-22 June 2018

## OUTCOME

1. The Training on Pacific Island Domestic Ship Safety (PIDSS) programme followed by the Workshop on Energy Efficient Operations of Ships (SEEO) were held at the magnificent Marine Training Centre (MTC), from 19 to 22 June 2018. The capacity building training was organized by the Geoscience, Energy and Maritime Division (GEMD) of the Pacific Community (SPC) in collaboration with the Ministry of Information, Communications, Transport and Tourism Development. The workshop was attended by representatives from Ministry of Information, Communications, Transport and Tourism Development, Kiribati Port Authority (KPA), Kiribati Police Maritime Unit, Kiribati Oil Company Limited (KOIL), Communications Commission of Kiribati (CCK) and private shipping companies, including the Chair and Vice Chair of the Kiribati Island Ship Owners Association (KISOA). The participants list is attached in Annex A.
2. The Workshop on Energy Efficient Operations of Ships (SEEO) was delivered by the Maritime Technology Cooperation Centre in the Pacific (MTCC-Pacific). MTCC-Pacific is hosted by SPC and the Secretariat of the Pacific Regional Environment Programme (SPREP) and forms part of the Global MTCC Network (GMN), a project implemented by the International Maritime Organization (IMO) and funded by the European Union with the aim of building the capacity of developing countries for climate mitigation in the maritime industry.
3. The opening address was delivered by the Acting Officer in Charge of MICTTD and Director of Marine, Capt. Ruoikabuti Tioon who welcomed the participants and recalled that maritime safety is an absolute priority for Kiribati after the mv Butiraoi disaster earlier this year where nearly 100 people perished and therefore this national workshop is a great opportunity to discuss a number of priority areas including challenges and opportunities in the domestic maritime transport sector, nurturing a safe and sustainable shipping culture in Kiribati by implementing the PIDSS and MTCC-Pacific programs and contributing to safe maritime transport and Green Port Initiatives.
4. Team leader of SPC GEMD team in this mission, Mr. Omirete Tabureka, gave thanks to the Marine Division and MICTTD for facilitating these trainings/workshops, and to the participants for making the time and efforts to attend these trainings/workshops. He further reiterated on the need for ship operators to implement Safe Operational Plans integrated with Ship Energy Efficiency Management Plans (SEEMP) for safe and efficient sea transportation. The PIDSS programme was actually inceptioned in 2010, following the tragic accidents which happened in Kiribati and Tonga almost simultaneously, with the ultimate goal of strengthening maritime safety on domestic vessels and establishing safety culture in the region.
5. The purpose of the training was to bring together representatives from the maritime transport sector to discuss and agree on a common approach to improve domestic shipping safety and energy efficiency e.g. lower fuel oil consumption, save money and reduce greenhouse gas (GHG) emissions in the Kiribati maritime transport sector. The objective was also to agree on measures to improve SEEOs and provide participants with technical tools and methods to progress toward SEEO measures.

**The Participants:**

6. Acknowledged the formation of the Kiribati Women in Maritime Association (KWIMA), the appointment of the interim Executive Committee members that are committed to facilitate women and youth's contribution to the maritime transport sector in Kiribati. The KWIMA Executive Committee and members are listed in Annex B.
7. Recognised that KWIMA has resources and stakeholder partners to progress and encourage women's employment opportunities in maritime and by extension, our communities.
8. Agreed to participate in the MTCC-Pacific pilot-project on uptake of energy efficient technologies in conjunction with the PIDSS Programme;
9. Agreed to continue efforts to implement Safety Management Systems (SMS), Safe Operation Plans (SOP) and Ship Energy Efficiency Management Plans (SEEMP) on board domestic ships in Kiribati under the PIDSS and MTCC-Pacific Programmes;
10. Agreed to strengthen activities of Kiribati Islands Ship Owners Association (KISOA) to lead the maritime sector toward safe and efficient operations in collaboration with the Marine Division;
11. Agreed to collect fuel oil consumption data to inform further action on SEEOs in Kiribati.

22 June 2018

## ANNEX A – PARTICIPANTS LIST OF MTCC-PACIFIC WORKSHOP

	First Name / Surname	Organization/Agency	Position / Email Address	Gender M/F
1.	Timau Kaikai	Te Matau Shipping Company	Manager <a href="mailto:guadaupelimau@gmail.com">guadaupelimau@gmail.com</a> Mobile: (676) 7205 0359	M
2.	Tetoma U	Timeon Beta Shipping	VSL Master Mobile: ( 676) 7301 4330	M
3.	Ekeniman	Te Matau Shipping Company	VSL Operator <a href="mailto:ribononnanon@gmail.com">ribononnanon@gmail.com</a> Mobile: (676) 7205 0359	M
4.	Marianna Torua	Koli Kiribati Oil	L/ Clerk <a href="mailto:Pco.koil@gmail.com">Pco.koil@gmail.com</a> Mobile: (676) 7305 9795	F
5.	Tirovma Tekabu	Koli Kiribati Oil	Buyer <a href="mailto:Lubesmck.koli89@gmail.com">Lubesmck.koli89@gmail.com</a>	F
6.	Rikitaake Buebwetaaka	TACL	Operation Manager <a href="mailto:oem@tacl.com.ki">oem@tacl.com.ki</a> Mobile: (676) 7512 6341	M
7.	Tamawatau Karserei	Oceanic Shipping Line	2 <sup>nd</sup> Engineer Mobile: (676) 7307 7087	M
8.	Kalatiti	Codial. Sea	RW/CM Mobile: (676) 7204 1100	M

9.	Elsone	Kiribati Port Authority (KPA)	Port Terminal & Superintendent Mobile: (676) 7309 9298 Email: <a href="mailto:kaitael@gmail.com">kaitael@gmail.com</a>	M
10.	Tiemi. B	Oceanic Shipping Services	VSL Master Mobile: (676) 7512 5050 Email: <a href="mailto:oceanicshipping03@gmail.com">oceanicshipping03@gmail.com</a>	M
11.	Rooti.Bateniki	MICTTD	VSL Chief Mate Oceanic Shipping Mobile: (676) 7305 1151 Email: <a href="mailto:oceanic.shipping@gmail.com">oceanic.shipping@gmail.com</a>	M
12.	Tienimintang Reue	MICTDD	Assistant Secretary Mobile: (676) 7402 6004/ 7402 6003	F
13.	Meretin. Kareba	MICTTD	Human Resource Officer Mobile: (676) 7307 7472 Email <a href="mailto:hro@mcttd.gov.ki">hro@mcttd.gov.ki</a>	F
14.	Tokaruru Kabane	Coral Ace Shipping Line	Master Mobile : (676) 7303 4396 Email : <a href="mailto:tokaruru.btab@gmail.com">tokaruru.btab@gmail.com</a>	M
15.	Taraia Boutu	MICTTD	Leading Hand Mobile : (676) 7300 5735 Email : <a href="mailto:batbok@gmail.com">batbok@gmail.com</a>	M
16.	Tauatea. Teketia	PMIL	Maritime Operations Officer Mobile: (676) 7301 3887 Email: <a href="mailto:tauatekehi@gmail.com">tauatekehi@gmail.com</a>	M
17.	Tamaro. Twaia	CPPL	E/ Supervisor Mobile: (676) 7301 5883 Email: <a href="mailto:teikaueat@gmail.com">teikaueat@gmail.com</a>	M
18.	Bwebweteiti Tongaiaba	Marine Division	AtoN Unit Mobile: (676) 7301 5883	M

19.	Tioti Bateirki	MICTTD Marine Division	AtoN Supervisor Mobile: (676) 7402 6003 Email: <a href="mailto:aton.super@mcttd.gov.ki">aton.super@mcttd.gov.ki</a>	M
20.	Tebuaua Itibwinnang	Kiribati Shipping Services Ltd (KSSL)	Second Officer Mobile: (676) 7305 8264 Email: <a href="mailto:zikiiru.itinikau@gmail.com">zikiiru.itinikau@gmail.com</a>	M
21.	Kireata. Ruteru	Mauri Marine Shipping	HR Mobile: (676) 7301 3456 Email: <a href="mailto:kireata.rb2555@gmail.com">kireata.rb2555@gmail.com</a>	M
22.	Teretia Ioane	Seanan Shipping	DPA Mobile: (676) 7512 6126 Email: <a href="mailto:seasan@hanaji.ki">seasan@hanaji.ki</a>	F
23.	Kautoa Tonganibeia	Seanan Shipping	Admin Mobile: (676) Email: <a href="mailto:kautoa@hananjik.com">kautoa@hananjik.com</a>	M
24.	Brarate. Teuriari	MICTTD	Marine Surveyor Mobile: (676) 7301 7602 Email: <a href="mailto:marine.surveyor@micttd.gov.ki">marine.surveyor@micttd.gov.ki</a>	M
25.	Riennang. Iaone	MICTTD	SAR Coordinator Mobile: (676) 7309 7992 Email: <a href="mailto:ricnnang.ioane@mcttd.gov.ki">ricnnang.ioane@mcttd.gov.ki</a>	M
26.	Iosefa Atanimakin	Marine Division	Marine Officer Mobile: (676) 7303 4943 Email: <a href="mailto:marine.officer@mcttd.gov.ki">marine.officer@mcttd.gov.ki</a>	M
27.	Ioane Beia	Oceanic Shipping	Engineer Mobile: (676) 7512 5050 Email: <a href="mailto:ioanebeia@gmail.com">ioanebeia@gmail.com</a>	M

28.	Teatai Ngaua	Coral Ace	Engineer	M
29.	Tetabo Baie	Keang Nimakin Shipping	Master Email: <a href="mailto:tokintekaiemeri@gmail.com">tokintekaiemeri@gmail.com</a>	M
30.	Tio Temura	Butaributari Shipping	Manager Mobile: (676) 7307 5139 Email: <a href="mailto:tanuestio@gmail.com">tanuestio@gmail.com</a>	M
31.	Kabeia Ataniraoui	Marine Division	Marine Officer Mobile (676) 7304 6046 Email: <a href="mailto:marine.officer@mcttd.gov.ki">marine.officer@mcttd.gov.ki</a>	M
32.	Kiraiti Rio	Coral Sea Shipping	Chief Mate Mobile: (676) 7340 1100	M
33.	Mark Davis	The Pacific Community (679) 3370733	Transport Green House Gas Advisor	M
34.	O mirete Tabureka	The Pacific Community (679) 3370733	Ship Safety Audit Adviser <a href="mailto:omiretet@spc.int">omiretet@spc.int</a>	M
35.	Ore Taua	The Pacific Community (679) 3370733	Maritime Training Adviser	F
36.	Zullah M.A.	The Pacific Community Private Mail Bag, Suva, Fiji (679) 3370733	Maritime Industry Energy Efficiency Officer <a href="mailto:zullahm@spc.int">zullahm@spc.int</a>	M

## **ANNEX B – PARTICIPANTS LIST OF WOMEN IN MARITIME CONSULTATION MEETING**

First Name / Surname		Position/Organization/Agency	Telephone and Email Contacts	Gender M/F
01	Anna Titaa	Finance Manager TE Matau Shipping Tarawa, Kiribati	Office : (+686) 720 50359 Mobile : (+686) 730 69694	F
02	Tarabweruru Kaburenga	Officer Christopher Columbus Pilot Service Betio, Kiribati	Email : <a href="mailto:mariarenga@gmail.com">mariarenga@gmail.com</a>	F
03	Meretin Kareba	Human Resource Officer MICTTD P. O. Box 487, Betio, Kiribati	Email : <a href="mailto:hro@mcttd.gov.ki">hro@mcttd.gov.ki</a>	F
04	Marion. Tekautu – Namina	Executive Assistant Reitinraoi Shipping Company	Office : (+679) 7306 5711 Mobile : (+679) 7304 4995 Email : <a href="mailto:tekautum@gmail.com">tekautum@gmail.com</a>	F
05	Maaba Katirite	Tourism Officer Kiribati National Tourism Officer Beito	Office : (+626) 7402 6004 Mobile : (+626) 7301 8287 Email : <a href="mailto:mkatirite@kiribatitourism.gov.ki">mkatirite@kiribatitourism.gov.ki</a>	F
06	Teren Aata	Catering Instructor Marine Training Centre P O Box 511, Betio, Tarawa, Kiribati	Email : <a href="mailto:catering.instructor@mtc-tarawa.edu.ki">catering.instructor@mtc-tarawa.edu.ki</a>	F
07	Tina Ritati	First Aid Instructor Marine Training Centre P O Box 511, Betio, Tarawa, Kiribati	Office : (+676) 7512 6086 Mobile : (+676) 6300 4121 Email : <a href="mailto:cnaritati83@gmail.com">cnaritati83@gmail.com</a>	F
08	Eme Mikaere	Seafarer Clerk Marine Division, MICTTD	Mobile : (+676) 7307 4013 Email : <a href="mailto:co@mcttd.gov.ki">co@mcttd.gov.ki</a>	F
09	Bwaenfata.Kaioka	Accounts Officer Kiribati National Shipping Ltd	Office : (+676) 7512 6195 Mobile : (+676) 7300 6928 Email : <a href="mailto:karokaia2012@gmail.com">karokaia2012@gmail.com</a>	F

10	Tiura Jacob	VMS Officer MFMRD	Office : (+676) 7502 1099 Mobile : (+675) 7300 6928 Email : <a href="mailto:tiura.jacob@gmail.com">tiura.jacob@gmail.com</a>	F
11	Kiarake Karuaki	Product Development Officer KNTD, MICTTD	Office : (+676) 7402 6003 Mobile : (+676) 7304 9655 Email : <a href="mailto:kkaruaki@kiribatitourism.gov.ki">kkaruaki@kiribatitourism.gov.ki</a>	F
12	Tiantaake Mariana	HR Manager Kiribati Port Authority	Office : (+676) 7512 6973 Mobile : (+676) 7305 0506 Email : <a href="mailto:ttaabuaka@gmail.com">ttaabuaka@gmail.com</a>	F
13	Tuhiwai Titaake	Seafarer & Ship Clerk Marine Division	Office : (+676) 74026003 Email : <a href="mailto:tuhitaake007@gmail.com">tuhitaake007@gmail.com</a>	F
14	Baroo Buren	Laundress Marine Training Centre P O Box 511, Betio, Tarawa, Kiribati	Office : (+676) 7512 6080 Mobile : (+676) 7309 2321 Email : <a href="mailto:barooburen@gmail.com">barooburen@gmail.com</a>	F
15	Teebora Baie Bokai	Senior Accountant Kiribati Coconut Development Ltd	Office : (+676) 7512 5256 Mobile : (+676) 7305 0700 Email : <a href="mailto:teeborabaie@gmail.com">teeborabaie@gmail.com</a>	F
16	Kaboterenga.romatoa	IT Officer Communications Commission of Kiribati Tarawa, Kiribati	Office : (+676) 7512 5431 Mobile : (+676) 7301 2424 Email : <a href="mailto:kaboterenga.romatoa@cck.ki">kaboterenga.romatoa@cck.ki</a>	F
17	Tene Bonteman	General Manager Christopher Columbus Shipping , Betio	Office : (+676) 7512 5322 Mobile : (+676) 7300 5065 Email : <a href="mailto:cbline@gmail.com">cbline@gmail.com</a>	F
18	Tienimatang.Reue	Assistant Secretary MICTTD	Office : (+676) 7402 6003 Mobile : (+676) 7301 1577 Email : <a href="mailto:as@mcttd.gov.ki">as@mcttd.gov.ki</a>	F



## ANNEX C – DNBA MATRIX GROUP DISCUSSIONS

Drivers	Needs	Barriers	Relevant action
<i>Kiribati National Workshop on Energy Efficient Operations of Ships, Tarawa, Kiribati, 21-22 June 2018</i>			
Costs of fuel	<ul style="list-style-type: none"> <li>• Baseline data collection (DC) to show GHG emissions.</li> <li>• Consistent logging of fuel, weight, distance and time.</li> <li>• Responsible person appointed.</li> <li>• Logs (MTCC templates) collected by Marine Department.</li> </ul>	<ul style="list-style-type: none"> <li>• Data collection system (DCS) database.</li> <li>• Lack of enforcement by operators.</li> <li>• Lack of staff awareness of the benefits of data logging.</li> <li>• Proper voyage* log- FOC, weight (cargo, pax &amp; BW), time (hr) and distance (nm).</li> <li>• *point to point.</li> </ul>	<ul style="list-style-type: none"> <li>• Captain conduct tool box meeting prior to departure.</li> <li>• Implement safety &amp; energy management with the support of SPC (PIDSS and MTCC-Pacific)</li> <li>• Improve practices &amp; implement SOP &amp; SEEMP under the PIDSS program.</li> </ul>
Maintenance	<ul style="list-style-type: none"> <li>• Reduce costs associated with unplanned maintenance.</li> </ul>	<ul style="list-style-type: none"> <li>• Lack of knowledge on engineering principles</li> <li>• Lack of awareness of the equipment's design life</li> </ul>	<ul style="list-style-type: none"> <li>• Create sustainable business environment for dealers</li> <li>• Develop proper maintenance plan and implement accurately</li> </ul>
Legislation, Regulations and standards for domestic ships including safety, training, pollution prevention and efficiency	<ul style="list-style-type: none"> <li>• Awareness of compliance issues through the Maritime Department</li> </ul>	Lack of interest/motivation/commitment.	<ul style="list-style-type: none"> <li>• Develop maintenance and hull inspection/cleaning plan.</li> <li>• Technical support and capacity building provided by PIDSS &amp; MTCC-Pacific, and other teams from SPC-SPREP to implement measures</li> <li>• Incentives for SEE e.g. end of year bonus.</li> </ul>
Capacity Building (C-B) e.g. HR Development and Awareness of Training opportunities	<ul style="list-style-type: none"> <li>• HR development- Training</li> </ul>	<ul style="list-style-type: none"> <li>• Budget/financial support</li> </ul>	<ul style="list-style-type: none"> <li>• Building an adaptive capacity that will ensure application of PIDSS (SOP) &amp; SEEMP measures on board domestic vessels.</li> <li>• Government support for increasing trained personnel.</li> </ul>
Availability of affordable (\$), clean (QA) and sufficient quantity of fuel.	<ul style="list-style-type: none"> <li>• Support a Pacific regional purchasing mechanism.</li> <li>• Appoint a Pacific Petroleum 'Person'</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>• Lack of integrated approach and support for maritime transport improvement</li> </ul>	<ul style="list-style-type: none"> <li>• Consultation with other ministries that provides economic driver</li> </ul>
Industry consultation (KSOA) with Marine Department to steadily improve reliability, safety and efficiency of domestic shipping.	<ul style="list-style-type: none"> <li>• Appropriate/relevant legal, regulatory and technical measures adapted to the size of the vessels and the capacity and resources of Kiribati (currently undergoing regulatory review by Maritime NZ and PIDSS team).</li> <li>• Training on safety, efficiency including SEEMP.</li> </ul>	<ul style="list-style-type: none"> <li>• Under-regulated &amp; not locally adapted</li> </ul>	<ul style="list-style-type: none"> <li>• Implementation of measures adapted to the Pacific domestic fleet (transition time to implement higher standards).</li> <li>• Control domestic fleet cargo &amp; pax loading and pre-inspection /limitation based on load lines.</li> <li>• Capacity building of ship operators and crews on SEE measures and practises.</li> <li>• Combined enforcement activities e.g. Maritime institutions for marine pollution.</li> </ul>