



Clean Pacific Roundtable 2018 Executive Summary

Suva, Fiji

SPREP
8/20/2018

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- Government of the Republic of Fiji
- Japan International Cooperation Agency
- European Union
- Fonds Pacifique
- UN Environment
- Swire Shipping Co Ltd
- The Secretariat of the Pacific Regional Environment Programme
- The Pacific Islands Forum Secretariat

The members of the ad hoc Clean Pacific Roundtable Organising Committee:

- Hon Andrew Yatilman, Government of Federated States of Micronesia
- Ms Sandeep Singh, Government of Fiji
- Mr Afele Faiilagi, Government of Samoa
- Mr Adrian Nicolae and Ms Ileana Mirutescu, Delegation of the European Union for the Pacific
- Mr Andrew Irvin, IUCN, Oceania Regional Office
- Mr Faafetai Sagapolutele, JICA-JPRISM II Office
- Mr David Hebblethwaite, Pacific Community
- Mr John Townend, Pacific Islands Forum Secretariat
- Ms Alisi Tuqa, Pacific Islands Private Sector Organisation
- Ms Marina Keil, Samoa Recycling and Waste Management Association
- Ms Christina Leala-Gale, South Pacific Tourism Organisation
- Dr Vincent Lal, University of the South Pacific.

The success of the Roundtable belongs to the more than one hundred and seventy participants from throughout the region, with representation from Pacific island government waste management and pollution control focal points, national and sub-national government staff, key stakeholders including civil society, non-government organisations, private sector, academic institutions, intergovernmental organisations, Council of Regional Organisations of the Pacific (CROP) and those integrated in cross-cutting sectors, to drive progress towards the Clean Pacific 2025 vision of 'a cleaner Pacific environment'.

Introduction

The Clean Pacific Roundtable 2018 was held at the Pacific Islands Forum Secretariat in Suva, Fiji from 20 to 22 August with associated events through to 25 August. The key note address was delivered by the Hon. Josaia Voreqe Bainimarama, Prime Minister of the Republic of Fiji. This was the second Roundtable of its kind with the inaugural Clean Pacific Roundtable held in Suva, Fiji in July 2016.

The purpose of the Clean Pacific Roundtable 2018 was to:

- Enable the monitoring of actions and progress reporting of Cleaner Pacific 2025;
- Facilitate dialogue and networking in the region on waste issues and initiatives and explore additional investments and funding opportunities towards a safer and sustainable waste management systems; and
- Coordinate donor mechanisms in the region and optimise use of investment and funding allocation for the waste and pollution sector.

The outcomes to be achieved included the:

- Timely delivery of actions under the agreed four year implementation plan for Cleaner Pacific 2025.
- Better understanding of gaps and opportunities, and mobilisation of technical and financial resources to fill the gaps.
- Establishment and facilitation of specific regional networks in the waste and pollution sector for more coordinated actions.
- Formal organisation of the Clean Pacific Roundtable with supporting technical working groups.
- Outcome statement of future prioritised activities based on information from the Roundtable.

There were more than 170 participants that attended the Clean Pacific Roundtable 2018 from throughout the Pacific including American Samoa, Australia, Cook Islands, Federated States of Micronesia, Fiji, French Polynesia, Guam, New Caledonia, New Zealand, Niue, Kiribati, Marshall Islands, Nauru, Palau, Papua New Guinea, Samoa, Solomon Islands, Timor Leste, Tokelau, Tonga, Tuvalu, United Kingdom, Vanuatu, and Wallis and Futuna.

Executive Summary

1. The Clean Pacific Roundtable was hosted at the Pacific Islands Forum Secretariat in Suva, Fiji from 20 to 22 August 2018. Ms. Safaira Tagivuni blessed the meeting with an opening prayer followed by welcoming remarks from Dame Meg Taylor, Secretary General of the Pacific Islands Forum Secretariat. The Clean Pacific Roundtable key note address to open this event was delivered by the Honourable Voreqe Bainimarama, Prime Minister of the Republic of Fiji. Mr. Kosi Latu, Director General of SPREP provided the formal response to the key note address followed by remarks from key partners, Mr. Corrado Pampaloni, Acting Head of Delegation of the European Union for the Pacific and Ms. Yukari Ono, Resident Representative for the JICA, Fiji Office. Mr. Joshua Wycliffe, Permanent Secretary of Housing and Community Development, Local Government, Waterways and Environment for the Government of Fiji served as Chair for the Clean Pacific Roundtable 2018.

Key highlights

2. In 2017 Pacific Leaders committed to fast track the development of policies to ban the use of single-use plastic, plastic and styrofoam packaging and also called on Pacific Rim partners to join and commit to action on addressing marine pollution and marine debris. Studies show that 40 percent of all the marine plastics that end up in the Pacific comes from Asia. A study by the Ellen MacArthur Foundation predicted that on current trends, there will be more micro-plastics in the ocean by 2050 than fish.
3. Pacific island governments such as Fiji have instituted a levy on single-use plastic bags, as part of their commitment to completely phase out the use of plastic bags in Fiji by 2020. A UN Ocean Conference voluntary commitment to prevent plastic pollution, led by government in partnership with the private sector and key stakeholders, used innovative approaches for outreach with the public to ensure its successful implementation.
4. The Pacific region is one of the least polluters at a global scale but is adversely affected by the impacts of pollution to the environment from greenhouse gas emissions and plastic. Plastics are no longer considered just a waste issue but also a food security and climate issue as well. It is estimated that by 2050 plastic manufactures will use 20 percent of the world's fossil fuels. Currently only 30 percent of plastics are recycled; 39 percent incinerated; and 31 percent go to landfills. Plastics production and the incineration of plastic waste gives rise globally to approximately 400 million tonnes of carbon dioxide a year, adding to the generation of greenhouse gases. With respect to food security, a study on fish ingestion with samples from New Zealand, Samoa, Tahiti and Rapa Nui showed that 97 percent of all fish species sampled contained micro-plastics in their digestive systems. This is 30 percent higher than the global average.
5. Preparedness, through advanced planning and coordination, is required to foster resilience in communities for all manner of disasters, whether as a result of climate change such as more frequent and intense tropic cyclones or through natural events such as earthquakes. There is a need to look at coordination before, during and after disaster events, learning from past experiences within and beyond the region. While humanitarian assistance is often the priority there is a gap with disaster waste management. The Framework for Resilient Development in the Pacific, the Clean Pacific 2025, and Disaster Waste Management Guidelines in Asia and the Pacific provide tangible links for stakeholders to work together in a standardised and coordinated approach for a resilient future to address this critical need.
6. The importance of private sector involvement and the consideration of innovation to challenge current ways of doing business was recognised as crucial in shifting from a

dependence on plastics and addressing waste management and pollution. The Clean Pacific Roundtable demonstrated many positive examples of working with the private sector: the Raka Rugby Sevens tournament held in 2017 with various partners including 'Mission Pacific' of Coca-Cola Amatil Fiji; and the Moana Taka Partnership between Swire Shipping and SPREP in 2018. It was recognised that innovations that can be monitored for their compliance, effectiveness and impact must also be appropriately resourced or have opportunities to access support.

7. The importance of information sharing on legislation, best practice and national efforts between countries was acknowledged as an essential part of progressing waste and pollution management.. Accessibility of such information as the Container Deposit Legislation for Palau and the plastic bag levy in Fiji are tangible examples where Pacific island countries and territories can learn from each other. Furthermore, it was observed that the development of policies and regulations to address such issues at the national level requires technical and financial assistance.
8. Waste and pollution management is a major issue for many Pacific Island countries and territories often highlighting the current state of poor and inadequate waste management practices. These challenges not only pose a threat for sustainable development at the national level but also carry negative impacts of a transboundary nature. The issue of plastic pollution requires not only a national response but also a combination of regional and global targeted actions.
9. Clean ups are often the first step for community engagement and a means for scientific data collection and analysis to help track the debris at source. Based on the collection of data and building of evidence, this can help inform and conceptualise the development of interventions such as policies and frameworks that support effective waste management interventions. To be successful, the policy development needs to be consultative to foster ownership and include the various stakeholders from the community including women and youth, academia, public and private sectors.
10. The role of JICA, working in partnership with SPREP, to address waste management and technical capacity in the Pacific through J-PRISM and J-PRISM II, was acknowledged with sincere appreciation as a model of genuine and enduring partnership for the benefit of the region. The importance of ensuring sustainability of training through "Pacific People to Pacific People" cooperation, that is retained within the region and provides for island based solutions to address the challenges of waste was highlighted. A key challenge noted was the high turn-over of staff in the Pacific and the continued need for training and capacity building.
11. There are currently no accredited programmes on waste management being delivered through any Pacific island universities, which the EDF 11 funded PacWaste Plus project to be led by SPREP will aim to address with the University of the South Pacific, as a delivery partner. This will enable the building of capacity and provide opportunities for existing practitioners to obtain a qualification in waste management. This will complement what already exists in the region and recognises the important role of all stakeholders to address effective waste management through training
12. The importance of including children and youth in waste management and pollution awareness and education programmes was recognised as important, to ensure a cultural shift in behaviour in future generations. Pacific youth involved in climate change action was shared as an example of leadership for global ambition on climate change.

13. Pacific island countries and territories have many challenges with respect to waste management and pollution control, particularly low lying atolls. Challenges include limited land available for landfills to dispose of waste, remoteness of islands with limited transportation links, small and dispersed populations and limited access to sufficient resources for recycling nationally, exacerbated by limited human capacity.
14. Many Pacific island countries and territories are unable to recycle their waste as they do not have access to necessary equipment and facilities. As a result this material tends to accumulate and add to the waste issue. Financing to support appropriate investment in national recycling infrastructure is often a gap which the Pacific Regional Infrastructure Facility hopes to address with a pre-feasibility study. The aim of the study is to identify and quantify the opportunity to improve the resource recovery of 15 recyclable commodities present in the solid waste stream of 15 Pacific islands. The potential partnership of this regional initiative, will explore opportunities to enhance the capacity and support to the Pacific.
15. It was recognised that tourism provides critical economic opportunities for development of many Pacific island countries and territories, but can also create environmental challenges with respect to land use to provide infrastructure capacity for utilities, including waste management and use of natural resources for tourism development. The importance of working with the various stakeholders to build awareness on sustainable tourism including the role of environmental impact assessments in the development process was highlighted. The role of regional agencies such as CROP to support sustainable tourism initiatives was acknowledged as important to supplement the technical capacity within the tourism industry.
16. Capacity building has assisted in the increase of awareness raising on hazardous waste, where outcomes have been positive and helped countries to be more vigilant in how they manage and monitor used oil storage, collection and disposal. Addressing used oil management, especially from a legislative framework perspective, is crucial for providing direction on the management and process to action ways to prevent negative impacts.
17. The GEF 7 'Implementing Sustainable, Low and Non-chemical Development in Small Island Developing States' is being jointly developed by the UN Environment and SPREP. The project aims to prevent the build-up of materials and chemicals in the environment that contain persistent organic pollutants (POPs), mercury and other harmful chemicals; to manage and dispose of existing harmful chemicals and materials; and promote knowledge exchange across SIDS. The project will learn from past projects such as GEFPAS in terms of what has worked and not worked and what was identified as a priority at the GEF Assembly in July 2018.

Governance arrangements and next steps

18. The Clean Pacific Roundtable discussed the governance arrangements and endorsed the terms of reference for the establishment of a formal Steering Committee and appointment of members by specific sub-groupings. Members of the Steering Committee included representatives from: Fiji and Papua New Guinea for the first two years with alternate New Caledonia for Melanesia; Federated States of Micronesia and Kiribati for Micronesia; Cook Islands and Samoa for Polynesia; Ignite4Change and alternate Grace Trifan for Civil Society Organisations; International Union for Conservation of Nature (IUCN) for Non-Government Organisations; the Pacific Island Private Sector Organisation and Samoa Recycling and Waste Management Association for the private sector; the University of Newcastle for academic institutions; the European Union and JICA for development partners; the Pacific Islands Forum Secretariat for CROP; and SPREP.

19. The Clean Pacific Roundtable Outcome Statement 2018 was endorsed in principle. Appreciation was conveyed to all of the participants who attended from American Samoa, Australia, Cook Islands, Federated States of Micronesia, Fiji, French Polynesia, Guam, New Caledonia, New Zealand, Niue, Kiribati, Marshall Islands, Nauru, Palau, Papua New Guinea, Samoa, Solomon Islands, Timor Leste, Tokelau, Tonga, Tuvalu, United Kingdom, Vanuatu, and Wallis and Futuna. Special acknowledgement was extended to the Chair Mr. Joshua Wycliffe, Permanent Secretary who provided clear guidance and direction throughout the proceedings of the Clean Pacific Roundtable 2018.

Annex 1: Clean Pacific Roundtable Outcome Statement



OUTCOME STATEMENT

The Clean Pacific Roundtable 2018:

Understanding the challenges that Pacific island national and local governments are facing with regard to the handling, treatment and disposal of all categories of waste;

Recognising our commitment to managing hazardous waste and chemicals through the global frameworks such as the Basel, Minamata, Rotterdam and Stockholm Convention and the regional frameworks namely the Noumea and Waigani Conventions;

Acknowledging that aspects of waste minimisation and pollution prevention are embedded in the United Nations Sustainable Development Goals 3, 6, 11, 12 and 14 as well as the UN SIDS blueprint for development, the SAMOA Pathway;

Recalling our vision and values for the Pacific under the Framework for Pacific Regionalism, as a region of 'peace, harmony, security, social inclusion and prosperity so that all Pacific people can lead free, healthy and productive lives';

Recognising our endorsement of the 'Blue Pacific', of Pacific people the custodians of an ocean of islands, who in understanding their needs and potential, plan and own their development agenda, and drive collective action in support of our vision under the Framework for Pacific Regionalism;

Recalling that in 2017 Forum Leaders made a commitment to fast track the development of policies to ban the use of single-use plastic bags, plastic and styrofoam packaging. The Forum Leaders also called upon Pacific Rim partners to join and commit to action on addressing marine pollution and marine debris, to maintain the environmental integrity of the Pacific Ocean for people, planet and prosperity;

Acknowledging the importance of Public and Private Partnerships in addressing effective waste management in the Pacific through innovative and creative solutions exemplified by the Moana Taka Partnership;

Recalling our vision and values for the Cleaner Pacific 2025, and its associated Implementation Plan, adopted by the Twenty-sixth SPREP Meeting of Officials;

Recognising the successful outcomes of the inaugural Clean Pacific Roundtable in 2016 held at the Holiday Inn in Suva, Fiji; and the subsequent endorsement by the Twenty-seventh SPREP Meeting of the roundtable to be held every two years under the direction of a Cleaner Pacific Steering Committee;

We hereby declare as follows:

1. *Encourage* Pacific island countries and territories to adopt and enforce a robust legislative framework dealing with waste and pollution issues and *promote* legal frameworks that use economic tools to minimise waste generation;
2. *Recognise* the important role of Public Private Partnerships to address the challenges of waste management and pollution in the Pacific;
3. *Recognise* the vulnerability and impacts of marine debris, plastics and microplastics, as a priority issue for the region noting that the main source is from outside the region;
4. *Recognise* that the issue of marine debris, plastics and microplastics is not just a waste and material management issue, but also has strong linkages to biodiversity, food security and climate change;
5. *Recognise* SPREP as the *UN Environment Global Partnership on Marine Litter (GPML) Regional Node* for the Pacific region, and endorse, in principle, the *Pacific Marine Litter Action Plan* that will be presented to the upcoming SPREP Executive Board Meeting to be considered for endorsement;
6. *Endorse* the role of SPREP as the lead agency of the Council of Regional Organisations of the Pacific (CROP), working with Pacific island Members and partners to coordinate and implement regional action across the Pacific to address marine debris, plastics and microplastics and that the regional approach be complemented by national efforts of information sharing on legislation, best practice and national approaches, between Pacific island countries and territories;
7. *Support* SPREP's lead role in assisting countries address marine debris, plastics and micro-plastics as a transboundary issue as part of its Regional Seas Programme at the international negotiations for a legal binding framework as well as commit to exploring a regional legal binding framework, possibly under the Noumea Convention;
8. *Develop* the regional action plan on disaster waste management in alignment with the Framework for the Resilient Development in the Pacific, the Cleaner Pacific 2025, the Disaster Waste Management Guideline in Asia and the Pacific and other relevant documents including national disaster plans;
9. *Recognise* the importance of disaster preparedness, response and recovery in reducing loss of human life , whilst minimising the adverse consequences to economic, social and environmental systems;
10. *Support* the full implementation of the Paris Agreement to minimise the increase of climate induced disasters;
11. *Develop* a standardised and coordinated regional response for a disaster waste mechanism that will attend to affected Pacific island countries and territories in a timely manner;
12. *Develop* a standardised estimation tool for the amount of disaster waste and related cost to be incorporated into the Post Disaster Needs Assessment processes;
13. *Commit* to managing hazardous waste and chemicals in an environmentally sound manner through the *development* of a regional work plan to address the challenges that Pacific island countries and territories are facing in the management of hazardous waste at the national level;

14. *Encourage* all Pacific island countries and territories to evaluate their national situations in hazardous waste management and consider becoming party to the relevant global and regional multilateral environmental agreements to help address their challenges;
15. *Note* the progress on the proposed GEF 7 Global 'ISLANDS' programme which was well received by Pacific island Members and donors and supported for continued development by the UN Environment and SPREP. *Welcome* the opportunity to benefit from closer cooperation with SIDS from other regions under the GEF7 proposal. *Note* the new programme will build upon lessons learnt from past projects and will consider careful integration of partner-funded activities across the region;
16. *Commit* to progress best practice in solid waste management through prevention, reduction, recovery, treatment and disposal reflected in the national waste management plans and strategies;
17. *Promote* the recovery of resources from green waste to avoid disposing of it to landfill or by burning which is harmful to human health and the environment;
18. *Promote* the establishment of recycling hubs in the Pacific to collect all categories of recyclable materials including sending them to recycling companies;
19. *Develop* the recycling information hub and explore the possibility of establishing the "Pacific Regional Recycling Association";
20. *Commit* to continue promoting the Pacific islands as a tourist destination through the healthy oceans and clean environment campaign;
21. *Develop* a regional programme to assist all Pacific island countries and territories in establishing proper waste management systems in tourist establishments;
22. *Commit* to strengthening partnerships between regional entities (such as CROP) and national tourism promotion agencies and operators;
23. *Develop* a matrix to identify, assess and address gaps not currently covered by waste management and pollution control activities and *strengthen* cooperation and collaboration between national, regional and development partners in resourcing of technical and financial assistance of appropriate waste management activities including development of relevant policies and regulations in addressing national waste management issues;
24. *Enhance, recognise* and *utilise* training initiatives and the sharing of information and opportunities available at national, regional, and international institutions for ongoing professional development and best practice related to waste and pollution management and *support* the establishment of an appropriate monitoring and evaluation mechanism to measure progress in waste and pollution management;
25. *Adopt* the diverse modes of technical capacity available at the national and regional levels, in the area of waste and pollution management to improve the capabilities of all relevant stakeholders at the national and regional levels;
26. *Recognise* the need for the establishment of institutional mechanisms to facilitate "Pacific People to Pacific People" cooperation for waste and pollution management and *emphasise* the need for national and regional waste experts, as key facilitators;

27. *Develop* the respective database of experts, public and private sector actors including community and faith-based groups, NGOs, CSOs and citizens in the management of all categories of waste and provide working and coordinated training opportunities where relevant for them;
28. *Generate, manage and disseminate* reliable qualitative and quantifiable data, based on agreed definitions, to ensure achievement of targets and provide reliable information for developing plans and actions; and
29. *Develop* a regional research agenda that supports the effective implementation of waste management and pollution control initiatives in the Pacific.

22 August 2018

Pacific Islands Forum Secretariat, Suva, Fiji

Annex 2: Agenda

CLEAN PACIFIC ROUNDTABLE AGENDA	
Main Conference Room Pacific Islands Forum Secretariat, Suva, Fiji 20 – 22 August 2018 Theme: Pathways to a Pollution – Free Pacific Roundtable Chair: Mr. Joshua Wycliffe - Permanent Secretary, Ministry of Housing & Community Development, Ministry of Local Government, Ministry of Waterways & Environment	
Time/Venue	Day 1 20 August 2018
08:00 - 09:00	REGISTRATION
09:00 – 10:00	1.1 Opening Ceremony <ul style="list-style-type: none"> ➤ Welcome by Dame Meg Taylor, Secretary General of the Pacific Islands Forum Secretariat ➤ Keynote statement by the Honourable Josaia Voreqe Bainimarama, Prime Minister of the Republic of Fiji ➤ Clean Pacific Roundtable 2018 Statement by Mr Kosi Latu, Director General of SPREP ➤ Mr Corrado Pampaloni, Acting Head of Delegation of the European Union for the Pacific, Delegation of the European Union for the Pacific ➤ Ms. Yukari Ono, Resident Representative, JICA, Fiji Office
11:10 – 11:15 Main Conference Room, PIFS	Plenary Session 1.2 Roundtable Overview by Mr. Joshua Wycliffe, Permanent Secretary, Ministry of Housing & Community Development, Ministry of Local Government, Ministry of Waterways & Environment and Designated Chair, 2018 Clean Pacific Roundtable
11:15 – 12:15	Plenary Session 1.3: Coordinated Actions to Combat Marine Debris Chair: Ms. Heidi Savelli Soderberg, Programme Officer Marine Litter, UN Environment Moderator: Mr. Andrew Irvin, CCMRR Project Officer, International Union for Conservation of Nature Oceania Regional Office
Main Conference Room, PIFS	Session 1.3.1: Policy and economic mechanisms for combating marine debris, plastics and microplastics Presentation #1: Global framework to address marine debris, plastic and microplastics by Dr. Karen Raubenheimer , Lecturer, Australian National Centre for Ocean Resources and Security (ANCORS), University of Wollongong. (10 mins) Presentation #2: Fiji's policy approach to addressing plastics by Mr. Dwain Qalovaki , Principal Consultant Communications Specialist. (10 mins) Presentation #3: Plasticity by Mr. Doug Woodring , Founder Ocean Recovery Alliance (10 mins) Roundtable Discussion (20 mins) Invited panel member to join the roundtable discussion: Mr. Simon Bennett, General Manager – Sustainable Development, The China Navigation Co Pte Ltd, SWIRE Shipping Co. Key Discussion Points: <ol style="list-style-type: none"> 1. How do we address marine plastics as a global transboundary and intergenerational issue? 2. What innovative transformational policies have been instituted elsewhere and what is required in the Pacific? 3. How do we encourage private sector investment to combat marine plastics?
12:15 - 13:15 PIFS Fale	Side Event #1: GEF7 Chemicals and Waste Information Session/LUNCH UN Environment. Lunch hosted by UN Environment
13:15 – 14:20	Plenary Session 1.3: Coordinated Actions to Combat Marine Debris Chair: Mr. Mark Borg, Team Leader Program Management, PIDF Moderator: Mr. Andrew Irvin, CCMRR Project Officer, International Union for Conservation of Nature Oceania Regional Office

<p>Main Conference Room, PIFS</p>	<p>Session 1.3.2: Implementation and innovative actions for combating marine debris, plastics and microplastics</p> <p>Presentation #1: Changing hearts and minds through sporting leaders by Mr. Dwain Qalovaki, Principal Consultant Communications Specialist (10 mins)</p> <p>Presentation #2: Traditional canoes as a vehicle to reach and connect remote communities by Mr. Colin Philip, President, Fiji Islands Voyaging Society (10 mins)</p> <p>Presentation #3: Coastal cleanup in communities in Australia by Ms. Heidi Taylor, Tangaroa Blue Foundation, Australian Marine Debris Initiative (10 mins)</p> <p>Presentation #4: Smart cities progressing towards sustainable production and consumption by Ms Aarsi Sagar, Green Cities Analyst, Global Green Growth Institute (10 mins)</p> <p>Roundtable Discussion (35 mins) Invited panel members to join the roundtable discussion: Mr. Zen Waqavonovono, Precious Plastic Suva.</p> <p>Key Discussion Points:</p> <ol style="list-style-type: none"> 1. Where to next? How do we scale up current activities? 2. What innovative transformational activities are required? 3. How do we overcome challenges and create opportunities for small island states? 4. How do we address the role of decentralising management opportunities and responsibilities?
<p>14:30 – 17:00</p>	<p>Session 1.4: Emerging Waste Streams (Parallel Roundtable)</p>
<p>Parallel Session 1.4.A: Planning and Responding to Disaster Wastes</p> <p>Chair: Dr. Kunitoshi Sakurai, Professor Emeritus, Okinawa University and Chairman of the JPRISM Project Council</p> <p>Moderator: Ms. Cristelle Erica Pratt, Deputy Secretary General, PIFS</p>	<p>Parallel Session 1.4.B: Enhancing proper management of hazardous wastes</p> <p>Chair: Dr. Melchior Mataki, Permanent Secretary, Ministry of Environment, Climate Change, Disaster Management and Meteorology, Government of the Solomon Islands</p> <p>Moderator: Mr. David Hebblethwaite, SPC (TBC)</p>

<p>Background Presentation: Brief Overview of the Session's Purpose and expected outcomes. The Benefits of Proper Planning to Manage Disaster Wastes by Dr. Kunitoshi Sakurai – Professor Emeritus, Okinawa University and Chairman of the JPRISM Project Council (10mins)</p> <p>Presentation #1: Responses to Disaster Waste Issues in the Pacific: Challenges and Lessons Learned by Mr. Faafetai Sagapolutele – Assistant Chief Advisor, JPRISM Project (10mins)</p> <p>Presentation #2: Dealing with Disaster Wastes in Japan by Professor Shinichi Sakai (Kyoto University, Japan) and Professor Toshiaki Yoshioka (Tohoku University, Japan) (15mins)</p> <p>Presentation #3: Way Forward for the development of the DWM Plan through “Disaster Waste Management Guideline in Asia and the Pacific” by Professor Misuzu Asari (Kyoto University, Japan) and Mr Makoto Tsukiji (JSMCWM) (25mins)</p> <p>Presentation #4: Panel Kick-Start (20mins)</p> <ul style="list-style-type: none"> • Mr. Afele Faiilagi, ACEO, Department of Environment and Conservation, Ministry of Natural Resources & Environment, Samoa • Mr. Filimone Kata Lapao, Senior Environmentalist, Ministry of Meteorology, Energy, Information, Disaster Management, Environment, Climate Change and Communications, Tonga • Mr Sunia Ratulevu, Principal Risk Management Research, National Disaster Management office, Fiji <p>Roundtable Discussion (60mins) Key Discussion Points:</p> <ol style="list-style-type: none"> 1. <i>What are the key messages learnt from dealing with disaster wastes in the Pacific? How can countries prepare to tackle challenges faced in previous post-disaster actions through development of the DWM plan?</i> 2. <i>What external support is needed by countries to properly manage disaster wastes? What regional mechanisms should be put in place to optimise internal and external resources allocated during disasters?</i> 3. <i>How can approaches for climate change resilience be linked to disaster waste management?</i> 	<p>Background Presentation: Managing hazardous wastes and chemicals at the national level – the Solomon Islands' case by Dr. Melchior Mataki, Permanent Secretary, Ministry of Environment, Climate Change, Disaster Management and Meteorology, Government of Solomon Islands (10mins)</p> <p>Presentation #1: Capacity building through regional institutions – Chemical Training for Pacific Island Countries, the USP experience by Dr. Johann Poinapen, Director, Head, Institute of Applied Sciences, The University of the South Pacific (15mins)</p> <p>Presentation #2: Managing hazardous waste regionally – the asbestos story through the PacWaste Project Mr. John O’Grady, Director, Araspring Ltd, Nelson, New Zealand (10mins)</p> <p>Presentation #3: Managing hazardous waste nationally – the Papua New Guinea experience (10mins) by Mr. Kori Chan, General Manager (Director), Total Waste Management Company, Port Moresby, Papua New Guinea</p> <p>Presentation #4: Managing hazardous waste regionally – the importance of regional policy guidance in the Pacific by Dr. David Haynes, Principal, GoingTroppo Consulting, Franklin, Tasmania, Australia (10mins)</p> <p>Presentation #5: Panel Kick Start (30mins)</p> <ul style="list-style-type: none"> • Hon. Andrew Yatilman, Secretary, Department of Environment, Climate Change, & Emergency Management, FSM • Mr. Bryan Star, Director for Environment, Nauru • Mr. Hamoa Holona, Acting Assistant Secretary, Ministry of Home Affairs and Rural Development, Tuvalu • Mr. Ray Anthony Sabian Masga, Manager Director/Bureau of Environmental and Coastal Quality, Division of Environmental Quality, CNMI <p>Roundtable Discussion (40mins) Key Discussion Points:</p> <ol style="list-style-type: none"> 1. <i>What are the important issues that are needed to make an efficient and sustainable hazardous waste management system? How can Pacific island countries prepare to tackle the key challenges faced in the management of hazardous waste at the national level?</i> 2. <i>What external support, especially regional and global support, is needed by countries to properly manage hazardous wastes and chemicals at the national and transboundary level? What mechanisms should be put in place to optimise internal and external resources allocated during disasters?</i> 3. <i>How can the lessons learned from national and regional projects be used in improving the management of hazardous waste in future projects or interventions? How can the best practices be replicated in future projects or interventions?</i>
17:00 – 17:30 PIFS Fale	Coffee Break
17:30 – 18:00 MCR PIFS	Session 1.5: Information Session on the Country Profiles by Mr. Jack Whelan, Secretariat Manager, PRIF
18:00 – 19:30 PIFS Fale	Side Event #2: Networking Session (Speed Dating) among Partners Facilitator: Ms. Nanette Woonton , Communications Adviser, SPREP
19:30 – 21:00	Welcome Dinner/Cocktails

PIFS Fale	Hosted by: SPREP and the Government of Fiji	
Time/Venue	Day 2 21 August 2018	
08:30 – 10:00	Session 2.1: Sustainable Waste Management (Plenary Roundtable)	
08:30 – 08:50 Main Conference Room, PIFS	Introduction by the Chair Mr. Joshua Wycliffe - Permanent Secretary, Ministry of Housing & Community Development, Ministry of Local Government, Ministry of Waterways & Environment Keynote Address by Mr. Christoph Wagner , Head of Cooperation, Delegation of the European Union for the Pacific	
09:00 – 10:00 MCR PIFS	Plenary Session 2.2: Progress on Existing Sustainable Mechanisms in Waste Management Moderator: Hon Andrew Yatilman , Secretary, Department of Environment and Emergency Management, FSM <ul style="list-style-type: none"> ➤ Palau's Beverage Container Deposit Legislation Mr. Calvin Ikesil, Manager/Solid Waste Office, Bureau of Public Works, Ministry of Public Infrastructure, Industry and Commerce, Palau ➤ Kiribati's Te 'Kaoki Maange' recycling project – Ms. Taouea Titaake-Reiher, Deputy Director, Environment and Conservation Division, Kiribati ➤ Sustainable Operation of the Naboro Landfill, Fiji– Mrs. Sainimili Bulai, Acting Sr. Environmental Officer, Waste Management, Dept. of Environment, Fiji 	
10:00 – 10:30	Coffee Break	
10:30 – 13:00	Plenary Session 2.3: Regional Coordination in Recycling Chair: Ms. Marina Keil , President, Samoa Recycling and Waste Management Association Moderator: Ms. Ileana Miritescu , Programme Manager/Climate Change, Energy, Circular Economy, Delegation for the European Union for the Pacific	
MCR PIFS	Background Presentation: The Drawbacks of Recycling in the Pacific by Ms. Marina Keil , President, Samoa Recycling and Waste Management Association (10mins) Presentation #1: Creating Awareness on Recycling by Ms. Nafiza Ali , Acting Senior Asst. Health Inspector, Nadi Town Council (10mins) Presentation #2: Outcomes of the Resource Circulation Study in the Pacific Region by Ms. Anne Prince , CEO of Prince Consulting, Australia (20mins) Presentation #3: Addressing Shipping Constraints of Recyclables in the Pacific: The Moana Taka Partnership by Mr. Simon Bennett , General Manager – Sustainable Development, The China Navigation Co Pte Ltd, Swire Shipping. (20mins) Presentation #4 (Panel Kick-start): Coordinated Mechanisms in Developing Public-Private Partnerships (20mins) <ul style="list-style-type: none"> • Ms. Premila Chandra, Acting Senior Health Inspector, Nadi Town Council • Ms. Caroline Rantien, Manager, French Agency for Environment and Energy Savings in New Caledonie/ADEME • Mr. Haden Talagi, Acting Director Department of Environment/ Department of Environment, Niue Roundtable Discussion (60 mins) Key Discussion Points: <ol style="list-style-type: none"> 1. <i>What are the limitations of establishing a recycling network in the Pacific Region?</i> 2. <i>What are the opportunities for shifting the paradigm in regional transport to handle the reverse logistics required by waste recovery?</i> 3. <i>How do we mobilise or modify the recommendations provided in the resource circulation study?</i> 4. <i>What are the best and most immediately deployable mechanisms to enable a coordinated recycling and remanufacturing programme in the Pacific?</i> 	
13:00 – 14:00 PIFS Fale	Side Event #3 Global and Pacific Marine Litter Actions/LUNCH	Ms. Heidi Savelli Soderberg , Programme Officer Marine Litter, UN Environment. Lunch hosted by: UN Environment
14:15 – 16:45	Session 2.4: Enabling Systems in Waste Management (Parallel Roundtable)	

<p>Parallel Session 2.4.A: Boosting tourism through proper waste management</p> <p>Chair: Ms. Fantasha Lockington, CEO of Fiji Hotels and Tourism Association</p> <p>Moderator: Ms. Alisi Tuqa, Acting Chief Executive Officer, Pacific Islands Private Sector Organisation (PIPSO)</p> <p>Background Presentation: Enhancing a Vibrant Tourism through Promotion of Proper Waste Management by Ms. Fantasha Lockington, CEO of Fiji Hotels and Tourism Association (10 mins)</p> <p>Presentation #1: The challenges and opportunities of waste collection from the tourism sector by Mr. Paul Evers, Manager, HG Leach (Fiji) Ltd. (10 mins)</p> <p>Presentation #2: Regional Perspective of Waste Management in the Context of Sustainable Tourism Development Ms. Christina Leala-Gale, Sustainable Tourism Development Manager, South Pacific Tourism Organisation (10 mins)</p> <p>Presentation #3 (Panel Kick-start): Integrating Tourism Issues into National Waste and Pollution Management Strategies (40mins)</p> <ul style="list-style-type: none"> • Mr. Joseph Brider, Director, National Environment Service, Cook Islands • Mr. Reedly Alfred Tari, Director, Environmental Planning and Impact Assessment Division, Department of Environmental Protection and Conservation (DEPC), Ministry of Climate Change, Environment, Energy, Meteorology and Disaster Management, Vanuatu • Ms. Sandeep Singh, Director of Environment, Fiji • Mr. Brian Melairei, Director, Bureau of Public Works, Ministry of Public Infrastructure, Industry and Commerce, Palau <p>Roundtable Discussion: (60 mins) Key Discussion Points:</p> <ol style="list-style-type: none"> 1. <i>What are the major challenges of integrating ecological considerations in the tourism industry? How can these challenges be transformed into opportunities, and what role do both the public and private sector play in this process?</i> 2. <i>What are the best avenues for exploring the potential for eco-tourism growth in the Pacific?</i> 3. <i>How can the tourism sector, including tourism transport, contribute to the countries' waste management initiatives? How do we establish institutional mechanisms to enable strong linkages between the tourism and waste sectors regionally and nationally?</i> 4. <i>How can ecological waste management in the tourism industry contribute to sustainable tourism development in the Pacific Region?</i> 	<p>Parallel Session 2.4.B: Further Enhancement of Regional Capacity in Waste Management in the Main Conference Room</p> <p>Chair: Dr. Sunil Herat, Senior Lecturer in Waste Management, Griffith University</p> <p>Moderator: Dr. Vincent Lal, Manager, Laboratory Services, Institute of Applied Sciences, USP</p> <p>Background Presentation: The Benefits of Sustaining Capacity Development in the Pacific based on the AFD/GEFPAS Regional Waste Management Trainings Dr. Sunil Herat, Senior Lecturer in Waste Management, Griffith University (10 mins)</p> <p>Presentation #1: The Flexible Learning Approach in Waste Management in the Pacific Towards Accredited Competency Dr. Johann Poinapen – Director, Institute of Applied Sciences, USP (10 mins)</p> <p>Presentation #2: Broadening Perspective on Waste Management in the Pacific through Research Initiatives by Prof. Alan Broadfoot - Director, Newcastle Institute for Energy and Resources, University of Newcastle(10mins)</p> <p>Presentation #3: Developing a System to Sustain the Pacific-to-Pacific Cooperation Training by Ms. Yasuko Onoue, Capacity Development Coordinator, J-PRISM2(15 mins)</p> <ul style="list-style-type: none"> • Mr. Phillip John Reyes Cruz, Sustainability Coordinator, University of Guam • Mr. Catalino Kijiner, Secretary, Ministry of Works Infrastructure and Utilities< RMI • Mr. Veari Kula, Manager, Infrastructure, Utilities and Convention Branch, Conservation & Environment Protection Authority (CEPA), PNG <p>Roundtable Discussion: (60mins) Key Discussion Points:</p> <ul style="list-style-type: none"> • <i>What are your thoughts on having specialised skills on waste management? How can these skills be integrated into the current institutional arrangements in the Pacific?</i> • <i>How can knowledge uptake from capacity building initiatives be optimised to improve delivery of waste services? What could drive trainees to put knowledge into good practice and what challenges are likely to be faced?</i> • <i>How do you find the elements of the PPCT system proposed by J-PRISM in the context of improvements in training systems?</i> • <i>Which institutions can most readily provide suitable learning options under current conditions? How can systems be enabled to address learning challenges and provide skills to necessary parties across the region?</i>
16:00 – 16:30	Coffee Break

17:30 – 18:15 PIFS Fale	Side Event #5: Launching of the Pacific SWM Guidebook Facilitator: Mr. Faafetai Sagapolutele , Asst. Chief Adviser, J-PRISM and Ms. Ma. Bella Guinto , Solid Waste Management Adviser, SPREP Hosted by: JICA-J-PRISM
18:15 – 20:00 PIFS Fale	Cocktail & Observation of the Posters Display (Good Waste Management Practices in the countries)
Time/Location	Day 3 22 August 2018
08:30 – 10:00	Session 3.1: Governance of the 2020 Clean Pacific Roundtable (CPRT) Chaired by Mr Joshua Wycliffe , Permanent Secretary, Ministry of Housing & Community Development, Ministry of Local Government, Ministry of Waterways & Environment Moderated by Dr. Vicki Hall , Director, WMPC, SPREP
MCR PIFS	Consultation on the Terms of Reference of the CPRT Election of the 2020 CPRT Steering Committee
10:00 – 10:30	Coffee Break
10:30 – 12:00	Session 3.2: Resolution and Outcomes (Plenary Roundtable) Chair: Mr. Joshua Wycliffe , Permanent Secretary, Ministry of Housing & Community Development, Ministry of Local Government, Ministry of Waterways & Environment
MCR PIFS	Chair’s Summary of Roundtable Discussions and Way Forward (Resolutions and Outcome Statement)
12:00 – 12:15	Session 3.3: Closing Ceremony
MCR PIFS	Prayer Feedback from Participants Closing Remarks: Mr. Joshua Wycliffe , Permanent Secretary, Ministry of Housing & Community Development, Ministry of Local Government, Ministry of Waterways & Environment Mr. Kosi Latu , Director General, Secretariat of the Pacific Regional Environment Programme (SPREP)
12:15 – 13:30 PIFS Fale	LUNCH – Working lunch – Meeting of Technical Working Groups Lunch hosted by: EU

Annex 3: Speeches

Address by Dame Meg Taylor, Secretary General of the Pacific Islands Forum Secretariat

The Prime Minister of the Republic of Fiji,
the Right Honourable Voreqe
Bainimarama;

Senior Representatives of the Pacific
Islands Forum and the membership of the
Secretariat of the Pacific Regional
Environment Programme;

The Director General of the SPREP, Kosi
Latu and representatives of the Council of
Regional Organisations in the Pacific;

Representatives of the European Union
and the Japan International Cooperation
Agency;

Ladies and Gentlemen

Ni sa bula vinaka.

I warmly welcome you all to your
Secretariat for this 2018 Clean Pacific
Roundtable initiative, spearheaded by the
Secretariat of the Pacific Regional
Environment Programme with the
generous support of the European Union
and Japan.

I am, very pleased to welcome the
Honourable Prime Minister of the Republic
of Fiji to this event and the Secretariat –
Prime Minister, thank you very much for
gracing this occasion and Fiji's continued
leadership on issues of import for our
region.

Excellencies, Ladies and Gentlemen, at
their meeting in 2017, Pacific Leaders
emphasised the strength in our solidarity as
a collective through our Blue Pacific
identity. The Blue Pacific calls for a

renewed commitment to work together,
through harnessing our collective strengths
to address our shared challenges in order
to build a strong and resilient Pacific.

Leaders also committed to fast track the
development of policies to ban the use of
single-use plastic bans, plastic and
Styrofoam packaging and called on Pacific
Rim partners to join and commit to action
on addressing marine pollution and marine
debris.

This roundtable event is the region's
response to collectively considering,
discussing and deciding on practical
solutions to progress the Leaders' decision.
The success of our efforts is dependent on
our ability to collectively commit to the
Pathways to a pollution-free Pacific that
this meeting will propose.

Actions at the regional level are reflective
of what occurs at the national level and it is
encouraging to see these efforts and
advocacy galvanised at the global level.
Pacific Island countries ownership of global
climate and environment – related
initiatives such as Fiji's presidency of the
COP 23 is a significant example, not just for
the Pacific but for all of us from small island
states. This region-wide call for urgent
action on plastics, marine pollution and
marine debris has the potential to be a
catalyst for similar global action.

We, your CROP agencies, stand ready to
support Members' through the provision of
expert scientific advice and technical
support, capacity building and coherent
and effective advocacy.

I thank you and I wish you well in your
deliberations.

**Opening Keynote Address by the
Honourable Voreqe Bainimarama;
Prime Minister of the Republic of Fiji**

The Assistant Minister for Environment,
Director General SPREP,
Resident Representative of JICA
Acting Head of the European Union in the
Pacific
Secretary General of the Pacific Islands
Forum Secretariat
Roving Ambassador
Distinguished Guests,
Ladies and Gentlemen.

Bula vinaka and a very good morning.

It's a pleasure to be with you all today to kick off this Clean Pacific Roundtable. This is one of several landmark events that have taken place in Fiji this year dedicated to the health and preservation of our environment, and I have full confidence that you all will build on the progress that we've already made to secure a greener future for Fiji, for the Pacific region, and for the world.

In June of last year, I was in New York where, alongside our friends from the Government of Sweden, Fiji co-hosted the first-ever UN Conference on Oceans. It was there the community of nations made the first call to action to drive a coordinated international effort to preserve the health of our oceans, seas and marine resources. And the over 1300 voluntary commitments made by countries, businesses, organisations and others at the conference was only the start of what has become a global crusade to reverse the damage done

to our oceans and end the abuse of our ocean resources.

Our leadership abroad, and our management of oceans and marine resources in Fiji, are both driven by our commitment to ensure that the many lives and livelihoods that depend on our ocean economy will be secure for generations to come. Our mission is to ensure that our thousands of fishermen, dive instructors, researchers, and tourism workers all continue to see a direct benefit from cleaner and more sustainable seas. And that we respect the bounty of our oceans offer by managing our oceans resources in a sustainable manner, striking a balance that sustains the livelihoods of our citizens, and that guarantees that their children, and their children after them can so too rely on our oceans, and the health of our marine life, and know that same sense of security and certainty that our ocean has provided Pacific people for all of our history.

But it isn't only about economic security. In Fiji, and throughout the Pacific, our ocean is a piece of how we form our identities, how we see ourselves, how we understand our histories and how we define the many cultures celebrated by our people. As is all of our ocean life; our sea turtles, dolphins, sharks, birds and fish all hold deep meaning in Fijian society. And our commitment must also apply to even the smallest of ocean creatures that may not be as well-known or handsome enough to put on our dollar notes, but that matter equally for the health and vitality of our ecosystem.

In fact, that list is growing as new creatures are still being uncovered; just last month, a new species of Nautilus was discovered in Savusavu and appropriately named after Fiji. I hope to see SPREP's full support of our work to protect the rich biodiversity of the Pacific to make for a future where discoveries like this will mark the headlines

rather than news of species facing endangerment, or dying out entirely.

Because, ladies and gentlemen, when it comes to our oceans, it's clear that there is still a great deal of the unknown. Meanwhile, what we do know — and what becomes clearer every year — is that it plays a crucial role in the overall health of our environment and our climate. And we also know that, unfortunately, the ocean bears much of the worst brunt of the damages sowed by man-made emissions and pollution.

That's why my Government is leading by example in assisting the region address the troubling increase of marine debris, plastics, and micro-plastics that are plaguing the Pacific. Threatening the lives of our precious ocean life, this waste is extremely troubling for nations like Fiji who rely so heavily on keeping our seas both pristine and sustainable. Because we are so vulnerable to the effects of marine debris, it is absolutely essential for all Pacific leaders to look at this issue with urgency, and to lead the world with action.

I've said it before — Pacific Island nations are responsible for just a tiny share of the world's greenhouse gas emissions, but that does not mean that we can't still be leaders in instituting real policy changes and striving for the most ambitious targets for curbing pollution. That's why I have been proud to serve as COP23 President, and why I carried the voices of vulnerable Pacific Islanders everywhere with me to the global stage in Bonn.

This same reasoning very much applies to plastic waste; most of the plastic that ends up in our waters doesn't come from Fiji, or from any of our Pacific Island neighbours, but from much larger and wealthier countries. But that doesn't mean we get a pass. Nor do our businesses or citizens.

That is why my Government instituted a tax on single-use plastic bags, which was raised from 10 to 20 cents just this month, as part of our commitment to completely phase out the use of plastic bags in Fiji by 2020. I challenge the private sector to consider similar innovative ways to challenge the status quo; our hotels, our stores, and even our bottled water companies need to realise that the world is entering into a new era of conscious consumption — one in which depending on plastic will prove to be both environmentally and economically unsustainable. I assure you, it's smart business to adapt now to survive in a greener future.

From all sectors of society and in our own lives, we each need to do our part to make sure that the oceans are no longer seen as a dumping ground. The same goes for our waterways, our rivers, our bays and our beaches, and the same goes for all of Fiji. Because rubbish that starts by the side of the road, very often ends up washed into the sea. Every single piece of rubbish represents one thoughtless decision made by someone who couldn't have been bothered to make the effort to dispose properly of their waste. Well, all those thoughtless decisions are adding up, and it is our environment, our marine life, our economic security and the welfare of our people that is threatened as a result.

I want to be clear, my Government can install waste bins — and we are doing just that, as we've funded nationwide standardisation of rubbish bins and a stepped campaign of rubbish collection in our latest budget. What we cannot do is force people to use them. That's a decision that individuals must make, that communities must make. It is an expectation we all must set for each other, and it is a patriotic duty we must all fulfil for the health, safety — and indeed the security — of our nation. This is a cultural change

that starts at home and in the classroom, and it is a change that's seeing particular momentum among our youth — I've been incredibly encouraged to see young people of the Pacific taking the lead as some of the world's most outspoken and active climate warriors.

Ladies and gentlemen, I urge you to match that energy and enthusiasm in your discussions over the course of the next three days here in Suva. I also encourage you to match the same drive that has made COP23 a success — the drive for maximum ambition. Because as the world progresses, technology develops, and our people become more aware of the dire need for action, the road ahead will put your goals within reach sooner than you might imagine possible.

I thank you again for your work, and wish you all the best in the days ahead.

Vinaka vakalevu.

Thank you.

**Address by Mr. Kosi Latu
Director General of SPREP**

Honourable Josaia Voreqe Bainimarama,
Prime Minister of the Republic of Fiji

Dame Meg Taylor, Secretary General,
Pacific Islands Forum Secretariat

Honourable Lorna Dean, Assistant
Minister for the Environment

Mr. Joshua Wycliffe, Permanent Secretary,
Local Government, Housing &
Environment

Distinguished representatives,

Development Partners

Waste and pollution management
colleagues and experts from the region

Members of the private sector, civil society

Ladies and gentlemen,

Bula, and Good Morning,

It is a great pleasure for me to welcome you all to Fiji to this 2nd Clean Pacific Roundtable meeting. It was just over 2 years ago that we concluded a very successful, inaugural meeting, of the Clean Pacific Roundtable at the Holiday Inn in Suva.

In this short period of time we have witnessed the increase of unprecedented waste and pollution pressures from human induced activities such as industrial and agricultural run-off, marine debris, oil and chemical pollution, population growth, coastal development and modernization, over-fishing and resource extraction. These pressures have been exacerbated by the challenges of climate change (sea level rise, sea temperature rise, Oceans acidification, extreme storms and droughts). The impact of all these activities threaten our environmental, social and economic resilience.

Waste and pollution management is a major issue for many Pacific Island countries – often highlighting the current state of poor and inadequate waste management practices for some of our islands in the region. These challenges not only pose a threat for sustainable development at the national level but are also carry negative impacts of a transboundary nature.

The issue of plastic pollution which is attracting a lot of global attention at the moment, for example, certainly requires not only a national response but also a combination of regional and global targeted action. Studies for instance show that 40

% of all the marine plastics that end up in the Pacific comes from Asia. Furthermore, a study by the Ellen MacArthur Foundation predicted that on current trends, there will be more micro-plastics in the ocean by 2050 than fish.

But plastics is not just a waste issue anymore. It is now a food security issue, and it is increasingly becoming a climate issue as well. A study on fish ingestion with samples from NZ, Fiji, Samoa and Rapa Nui showed that 97 % of all fish species sampled had micro-plastics. This was 30% higher than the global average. This is very concerning for the Pacific where fish is the main source for protein, and where fish consumption is at least approximately 3 or 4 times higher than the global average.

The problem with Plastics is that they are synthetic and don't biodegrade like natural products. Rather, they break up into smaller and smaller pieces, known as micro-plastics. These linger in the environment for a very long period of time, they accumulate and don't disappear

Like climate change, we are at a crisis situation, where we now need to **ACT**.

Many of our countries in the region have taken steps to create an enabling environment to address the problem of plastics. This includes policies and legislation to ban single use plastics and Styrofoam. Here in Fiji, we note that the Government has decided on a pathway that will ensure that Fiji will be a plastics free nation. A clear testament of this policy was the adoption last August of a levy on all single use plastics and Styrofoam.

Last year SPREP collaborated with the organisers of the Raka rugby 7s tournament here in Fiji to make it the first tournament that was a plastics free event. The Raka 7s tournament was awarded the Global Green Sports Alliance Award for

delivering a clean sporting event. May I commend you Prime Minister for your leadership and for showing the way by adopting a pathway that will ensure a plastics free Fiji.

This Roundtable will provide a platform for all stakeholders to dialogue, network and address a broad range of waste management issues including hazardous chemicals; solid waste management; disaster waste management; and explore how to manage tourism generated waste; build a human capacity skills base to manage and capitalize on innovation and technological solutions.

At the regional level through the Blue Pacific narrative under the framework of the Pacific Framework for Regionalism, the Pacific Oceanscape, the Pacific Ocean Commissioner, the Cleaner Pacific 2025 which seeks to address waste and pollution, and other relevant regional frameworks are collectively aimed at enhancing the resilience of the Pacific. These regional frameworks need to be resourced to ensure effective implementation at the regional and national levels.

The Clean Pacific Roundtable, whilst a fairly new regional forum is an ideal conduit for progressing innovative solutions and capitalizing on new initiatives as we navigate together towards a pollution-free Pacific.

The popularity and interest in this event highlights the importance of regional waste and pollution management to the region. This Roundtable coincides with SPREPs celebration of its 25th anniversary this year. At this Roundtable, we celebrate SPREPs commitment to help our Members take effective action to address their ongoing and emerging environmental issues.

As you're all aware, the regional waste and pollution management strategy for the Pacific, or the Cleaner Pacific 2025 as it is better known, is a regional Blue print which is critical in bringing together the joint efforts of SPREP's key regional partners' namely (AFD, JICA and EU) to assist Pacific island communities to improve waste and pollution management practices in various waste streams which include municipal waste, asbestos and E-waste, healthcare wastes, and of course wastewaters to mention a few.

To achieve the vision of the Cleaner Pacific 2025 it is imperative that Pacific island countries move from a linear economy to a circular economy that **advocates sustainable production and consumption**. The circular economy promotes the whole life cycle of products: from the design of the product and production processes, to better informed consumption choices, to modern waste management, and the provision of secondary raw materials that feed back into the economy. This embraces waste management practices such as – the 3Rs - Reuse, Reduce and Recycle.

Funding waste and pollution management effective actions requires identifying and utilizing innovative financial mechanisms. The simple container deposit mechanism which is used in Palau is one good example of this. Our hope is that approach will be adopted in many Pacific island countries and territories soon, to help with resourcing their waste management efforts.

Action in this space, also requires a more concerted and coordinated approach to monitoring and reporting on the implementation progress of the Cleaner Pacific 2025. I am pleased that the roundtable includes a waste monitoring training session on Wednesday. This is vital if we are going to minimize duplication and improve coordination between similar

programmes and activities at the local, national and regional levels.

The information gathered will add value to the "Clean Pacific Roundtable" which is to facilitate waste and pollution management dialogue and networking in the region, to provide a forum to share experience on waste and pollution management, and to disseminate information on new and existing opportunities.

The Roundtable is only its 2nd year and there is an urgent need to improve institutional arrangements of the Clean Pacific Roundtable. We hope to formalize the governance of the roundtable steering committee and its Technical Working Groups. I would like to acknowledge the support of the Government of Fiji and thank Mr. Joshua Wycliffe, the Permanent Secretary for Local Government, Housing and Environment, for accepting the invitation to be the first Chair of this roundtable. The improved institutional and governance arrangements will also provide a platform to better coordinate work on waste and pollution management for our region.

I would like to take this opportunity to acknowledge all of the Partners who contributed to this Roundtable, and I would like in particular to acknowledge the significant financial assistance of JICA and the EU which has enabled this Roundtable to take place. I would also like to acknowledge the contributions received from Fonds Pacifique, and the UN Environment and the sponsorship by Swire Shipping Co Ltd. I offer my appreciation to PIFS, for providing the Roundtable with this wonderful venue. Last but not least, I would like to acknowledge the valuable contribution of the Roundtable Steering Committee members in assisting in the arrangement of this event.

I would like to finish by encouraging you all to be frank in your deliberations – and to identify the immediate priorities that need addressing over the next 24 months as this is your roundtable. Be critical and adventurous in what you want but be also realistic on what can be done on the ground

to help improve the way we all manage waste and pollution.

I wish you the best for your discussions over the next few days, I know it will be highly productive.

VINAKA VAKA LEVU

Annex 4: List of Participants

Country	Name	Organisation
American Samoa	Ignosy Toeava	American Samoa Environmental Protection Agency
American Samoa	William Sili	American Samoa Environmental Protection Agency
Cook Islands	Jaime Short	Director Water Waste and Sanitation Division/Infrastructure
Cook Islands	Joseph Brider	National Environment Service
Fiji	Nafiza Ali	Nadi Town Council
Fiji	Shalend Prem Singh	Lautoka City Council
Fiji	Newal Kishore Naidu	Labasa Town Council
Fiji	Premilla Chandra	Nadi Town Council
Fiji	Sandeep K. Singh	Department of Environment Ministry of Local Government, Urban Development, Housing & Environment
Fiji	Sunia Ratulevu	Principal Risk Management Research, National Disaster Management Office
Fiji	Rouhit Karan Singh	Lautoka City Council
Fiji	Sainimili Bulai	Department of Environment Fiji/ Acting Senior Environmental Officer
Fiji	Beverly Sadole	Ministry of Waterways and Environment/ National Manager – GEF R2R Project
Fiji	Vasiti Naikoyadai	Department of Environment/Technical Assistant (WPCU)
French Polynesia	Ms. Vairani Terorotua	Direction de l'environnement
French Polynesia	Ms. Mihimana TCHEOU	Direction de l'environnement
FSM	Andrew Yatilman	Department of Environment, Climate Change, & Emergency Management
FSM	Patricia Pedrus	Department of Environment, Climate Change, & Emergency Management
Guam	Phillip John Reyes	University of Guam
Kiribati	Tamaroa Teebaki	Kiribati Chamber of Commerce and Industries
Kiribati	Taouea Titaake-Reiher	Environment and Conservation Division
New Caledonia	Caroline Rantien	Manger French agency for environment and energy savings in New Caledonie/ADEME
Palau	Brian Melairei	Bureau of Public Works, Ministry of Public Infrastructure, Industry and Commerce
Palau	Calvin Ikesiil	
PNG	Veari Kula	Conservation & Environment Protection Authority (CEPA)
PNG	Simeon Terina	National Capital District Commission(NCDC)
Nauru	Grace Garabwan	Department of Commerce Industry and Environment
Nauru	Bryan Star	Director Environment
Niue	Haden Talagi	Department of Environment

RMI	Catalino Kijiner	Ministry of Works Infrastructure and Utilities
RMI	Scott Palu	City Manager Kwajalein Atoll Local Government
Samoa	Seumalo Afele Faiilagi	Ministry of Natural Resources and Environment (MNRE)
Samoa	Setoa Apo	Ministry of Natural Resources and Environment (MNRE)
Solomon Islands	Melchior Mataki	Ministry of Environment, Climate Change, Disaster management and Meteorology(MECDM)
Solomon Islands	Wendy Beti	Ministry of Environment, Climate Change, Disaster management and Meteorology(MECDM)
Timor Leste	Clarisse Maria Mazzarello	Cabinet of Secretary of State for Environment
Timor Leste	Joao Nazare de Piedade Bras	Ministry of Public Works
Timor Leste	Agosto Pinto	Ministry of Commerce, Industry and Environment
Timor Leste	Gregorio Ferreira da Silva	NAO Services, Office of the Prime Minister Democratic republic of Timor-Leste
Tokelau	Mikaele Fatia	Department of Environment
Tonga	Filimone Kata	Ministry of Meteorology, Energy, Information, Disaster Management, Environment, Climate Change and Communications
Tonga	Malakai Lomu Sika	Waste Authority Limited(WAL)
Tuvalu	Walter Pulogo	Department of Waste Management, Ministry of Home Affairs and Rural Development
Tuvalu	Hamoia Holona	Ministry of Home Affairs and Rural Development
UK	Julie Bremner	Centre of Environment, Fisheries and Aquaculture Science (CEFAS)
Vanuatu	Mwetu Serch Sandy	Port Vila Municipal Council
Vanuatu	Reedly Alfred Tari	Ministry CC, Environment, Energy, Meteo and DM
Vanuatu	Michelle Jonas	Acting Town Clerk, Port Vila Municipal Council
Wallis and Futuna	Sialehaamoia Ateliana	Service de l'environnement

Development Partners

Australia	Celeste Powell	Fisheries and Environment, Pacific Division, Department of Foreign Affairs and Trade
Australia	Ritobrata Bagchi	Department of the Environment and Energy
European Union	Corrado Pampaloni	Acting Head of Delegation of the European Union for the Pacific
European Union	Christoph Wagner	Head of Cooperation/ Delegation of the European Union for the Pacific
European Union	Adrian Nicolae	Team Leader/Climate Change, Energy, Circular Economy, Delegation of the European Union for the Pacific
European Union	Ileana Mirutescu	Programme Manager/Climate Change, Energy, Circular Economy, Delegation for the European Union for the Pacific
European Union	Johanes Don Bosco Mau	Programme Officer Social Affairs/ Palm Business and Trade Centre

World Bank	Nick Valentine	Environmental Specialist
JICA/JPRISM	Yukari Ono	Resident Representative, JICA Fiji Office
JICA/JPRISM	Rina Kurumisawa	Assistant Resident Representative, JICA Fiji Office
JICA/JPRISM	Nila Prasad	Program Officer, JICA Fiji Office
The Japan Society of Material Cycles and Waste Management, Japan	Makoto Tsukiji	Member
JICA/JPRISM	Kanako Chiba	Nausori Town Council, Japan Overseas Cooperation Volunteer (JOCV)
JICA/JPRISM	Chinami Hiraiwa	Lami Town Council, Japan Overseas Cooperation Volunteer (JOCV)
JICA/JPRISM	Shoko Tanaka	Nasinu Town Council, Japan Overseas Cooperation Volunteer (JOCV)
JICA/JPRISM	Mayuko Sugita	Nadi Town Council, Japan Overseas Cooperation Volunteer (JOCV)
JICA/JPRISM	Takashi Toyama	Resident Representative, JICA PNG Office
JICA/JPRISM	Emi Teshima	Project Formulation Advisor, JICA FSM Office
JICA/JPRISM	Yasushi Hayashi	Project Formulation Advisor, JICA Tonga Office
JICA/JPRISM	Kunitoshi Sakurai	Professor Emeritus, Okinawa University
JICA/JPRISM	Minpei Ito	Director, Environmental Management Team 1, Environmental Management Group, Global Environment Department, JICA
JICA/JPRISM	Kenichiro Koiwa	Environmental Management Team 1, Environmental Management Group, Global Environment Department, JICA
JICA/JPRISM	Mayu Nomura	Environmental Management Team 1, Environmental Management Group, Global Environment Department, JICA
JICA/JPRISM	Shiro Amano	Chief Advisor, J-PRISM II, JICA
JICA/JPRISM	Misa Oishi	G1, Expert(Assistant leader, Solid Waste Management, Capacity Assessment)
JICA/JPRISM	Shinnosuke Oda	G2, Expert(leader, Solid Waste Management)
JICA/JPRISM	Junji Anai	G2, Expert (Sub leader, Solid Waste Management)
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JICA/JPRISM	Ayako Yoshida	Regional Cooperation/Project Coordinator, J-PRISM II
JICA/JPRISM	Pulemalie Habiri	Project Assistant, J-PRISM II
JICA/JPRISM	Faafetai Sagapolutele	Assistant Chief Adviser
JICA/JPRISM	Ichiro Kono	G1, Expert(Leader, Solid Waste Management)
JICA/JPRISM	Nobuaki Miyata	Chief Advisor, J-PRISM II, JICA
JICA/JPRISM	Misa Oishi	G1, Expert(Assistant leader, Solid Waste Management, Capacity Assessment)
JICA/JPRISM	Junji Anai	G2, Expert(Sub leader, Solid Waste Management)

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NZ High Commission/Kiribati	Lai Lai Ng Tak Fai	
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Pacific Islands Development Forum	Mr. Nikhil Lal	Coordinator Programme Management/ Pacific Islands Development Forum
US Embassy	Maria Elder	Regional Environmental Specialist
UNDP	Kevin Petrini	Resilience and Sustainable Development Team Leader
UNEP	Heidi Savelli Soderber	Programme Officer Marine Litter
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Field Ready, Fiji	Luke Johnston	Innovation Adviser
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Ocean Recovery Alliance	Douglas Woodring	Founder/Managing Director
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World Wildlife Fund - Pacific, Fiji	Napolioni Drose	Conservation Coordinator, WWF Volunteers Programme
PNG Community-based Organisation	Gaudi Vagi Kauna	Volunteer
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The Uto Ni Yalo Trust	Temalesi Ratumaimuri	Project Officer
The Uto Ni Yalo Trust	Mr. Colin Philp	President
Global Green Growth Institute	Aarsi Sagar	Green Cities Analyst
Pacific Islands Private Sector Organisation (PIPSO)	Ms. Alisi Tuqa	Acting Chief Executive Officer
Ignite4Change	Broderick Mervyn	President
Council of Regional Organisations of the Pacific Agencies (CROP)		
The Pacific Community (SPC)	David Hebblethwaite	Water Governance Coordinator
The Pacific Community (SPC)	Aude Chenet	Environmental Sustainability Coordinator
The Pacific Community (SPC)	Mark Davis	Transport GHG Advisor/ SPC MTCC Pacific

The Pacific Community (SPC)	Emma Newland	Science Officer, GEF Ridge to Reef Programme
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The Pacific Islands Forum Secretariat (PIFS)	Moses Sikivou	Regional Coordinator/ Pacific Resilience Program
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South Pacific Tourism Office	Christina Leala-Gale	Manager, Sustainable Tourism Development
Acortred Pacifique, New Caledonia	Rose Maiella Ali Ben Ali	Vice President
Acortred Pacifique, New Caledonia	Angelo Doom	President
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Pacific Reef Savers Ltd, New Zealand	Alice Leney	Garbologist
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POPs Environmental Consultants Ltd, New Zealand	Boyne Drummond	Director
Majuro Atoll Waste Company	Jorelik Tibon	General Manager
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HG Leach (Fiji) Ltd	Paul Evers	Manager
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Total Waste Management, PNG	Kori Chan	General Manager/Total Waste Management

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