

# Promotion of 3R and Sustainable Waste Management

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## In my presentation today ...

- About SPREP
- Challenges in waste minimisation in the Pacific
- Future strategic regional reduction and resource recovery actions
- Proposal for a waste and pollution management roundtable

# About SPREP

- Established in 1993 in Samoa
- Region's primary intergovernmental environmental organisation
- Promotes cooperation and provides assistance in environmental protection and improvement in the Pacific islands region
- 26 Member governments
  - 21 Pacific island countries and territories
  - 5 metropolitan countries (Australia, France, NZ, UK, USA)

[www.sprep.org](http://www.sprep.org)

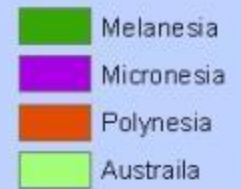
## MICRONESIA

“Small Islands”

Over 2,000 atolls, islands & reefs

Harsh climates

21 Island nations  
Over 10 million people  
Over 7,500 islands  
EEZ of 30 million km<sup>2</sup>  
2% land area



## MELANESIA

Volcanic, fertile, resource rich

98% of total Pacific land area

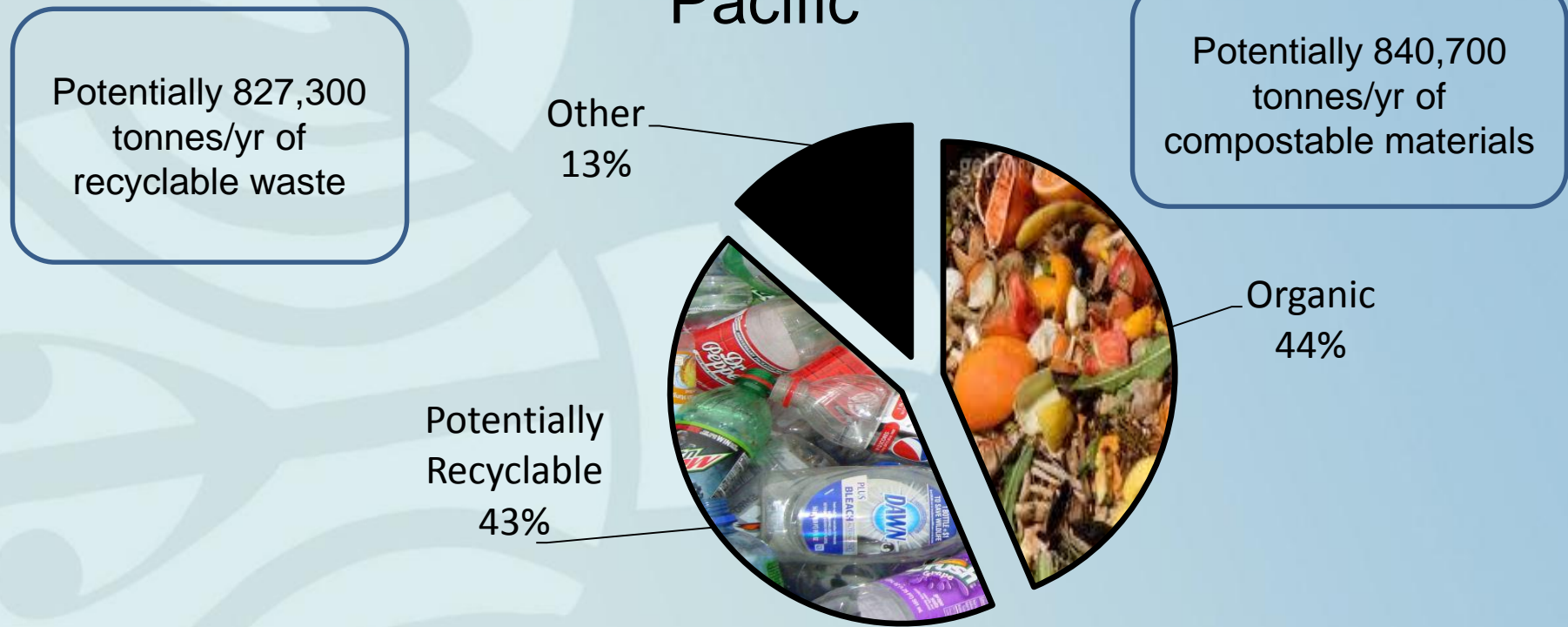
90% of the population

## POLYNESIA

“Many islands”

Array of islands

# Typical Municipal Solid Waste Composition in the Pacific



0.5 kg/person/day

Source: J-PRISM Project

## Challenges of Managing Wastes in the Pacific

- Geographical isolation
  - inability to produce own goods so high dependence on importation of commodities with non-biodegradable packaging
  - high cost of shipping recyclable materials
  - high cost of procuring waste infrastructure due to imported materials

# Challenges of Managing Wastes in the Pacific

- Limited land mass
  - limited options for proper disposal sites
  - unsuitability of disposal sites
- Economies of scale
  - waste supply not enough to return investment
  - limited recycling markets
  - limited budget to fund waste services



These challenges underpin the need to encourage waste minimisation in the Pacific Region.





# Challenges in the Pacific recycling sector

- Poor segregation system and collection network for recyclable waste goods, especially in outer islands;
- Poor working conditions at some recycling companies, with little regulation by relevant authorities;
- Little to no domestic demand for recyclable waste goods;
- Poor international demand for PET bottles, paper, and cardboard;
- High marine transportation costs accounting for as much as 30% of the cost of preparing and shipping recyclable commodities from PICs to the far east; and
- Low awareness among recycling companies of the quarantine regulations at the destination ports.

# Recycling Initiatives in the Pacific



Cook Island's  
E-Day



Guam's  
recycling  
program



Fiji's Recycling  
Program



# Recycling Initiatives in the Pacific



Palau's Beverage  
Container Recycling,  
Energy Recovery,  
Recycled Glass Craft  
Projects



New Caledonia's Waste  
Regulation Framework



FSM's CDL system



Wallis & Futuna's  
waste segregation



Tuvalu's  
Composting  
Program



# Sustaining Waste Management Initiatives for a Cleaner Pacific

**GEF IWRM  
Ridge-to-Reef**



Pacific Regional Action Plan on Sust. Water Management  
**2001-2003**

Regional Asbestos Strategy 2011-2015  
**2011**

Regional E-waste Strategy 2012-2015  
**2012**

Pacific Health care Waste (2013-2015)  
**2013**

**2005**  
Regional SWM Strategy 2005-2015

**2010**  
Current Regional SWM Strategy 2010-2015

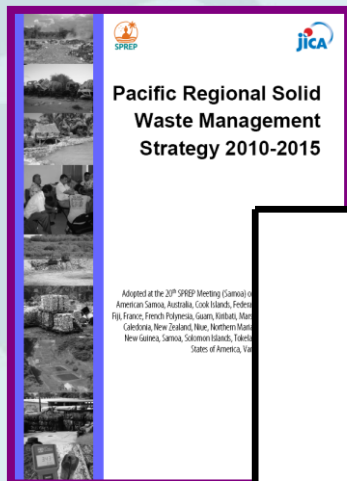


**2015**  
Pacific Ocean Pollution Prevention (PACPOL) Strategy 2015-2020  
**IMO** INTERNATIONAL MARITIME ORGANIZATION

**2015**  
Regional Integrated Waste & Pollution Strategy 2015-2025  
**PacWaste 2?  
J-PRISM 2?  
IMO**



# Waste and Pollution Management Strategy 2016-2025



*CLEANER PACIFIC 2025:*

Pacific Regional  
Waste and Pollution  
Management Strategy  
2016-2025

29 July 2015

Document Control Table

Version	Author	Date Submitted	Description
0.1	Esther Richards	11-May-2015	Initial draft
0.2	Esther Richards	25-May-2015	Revised draft which incorporates additional data and comments from SPREP WMPD Division and J-PRISM
0.3	Esther Richards	5-June-2015	Additional data and information gaps filled in. Monitoring section completed. MSW generation/composition data updated.
1.0	Esther Richards	26-June-2015	Additional data gaps and information gaps filled in.
2.0	Esther Richards	6-July-2015	Incorporates feedback from sub-regional consultation workshops; glossary completed; additional data gaps filled; strategic targets set.
3.0	Esther Richards	21-July-2015	Final version, incorporates feedback from regional workshop consultation.
3.1	Esther Richards	29-July-2015	Revised final version incorporating JICA feedback.

Vision:

***“a Cleaner Pacific environment”***

Mission:

***“to implement practical and sustainable solutions to the prevention and management of waste and pollution in the Pacific”.***

# Framework of the Integrated Strategy



# CLEANER PACIFIC 2025

## Guiding Principles (our values)

1. Reduce, reuse, recycle, return (3R + Return)
2. Product stewardship
3. Polluter pays principle
4. Proximity principle
5. Transparency
6. Public consultation and participation
7. Multi-sectoral approach
8. Regionalism
9. Sound decision making
10. Precautionary approach
11. Adherence to regional and international conventions
12. Public private partnership
13. Selection of appropriate and affordable technology



# CLEANER PACIFIC 2025

## 4 Strategic Goals (what we want to achieve)

### 1. Prevent generation of wastes and pollution

Prevention of the generation of wastes, chemicals and pollution eliminates risks to human health and the environment, and reduces overall management costs.

### 2. Recover resources from waste and pollutants

Value can be recovered from waste and pollutants through composting (nutrient recovery), recycling (material recovery), energy recovery and other measures, in order to reduce residual waste, and to contribute to national economic and social development.

# CLEANER PACIFIC 2025

## 4 Strategic Goals (what we want to achieve)

### **3. Improve management of residuals**

Wastes, chemicals and pollutants from which resources cannot be recovered require appropriate storage, collection, treatment and disposal to minimise the risks to human health and the environment.

# CLEANER PACIFIC 2025

## 4 Strategic Goals (what we want to achieve)

### **4. Improve monitoring of the receiving environment**

This goal speaks to furthering our understanding of the health and quality of the receiving environment for waste and pollution, and ultimately supports informed decision-making on appropriate measures to protect public health and the environment, and remediate associated environmental damage.

# CLEANER PACIFIC 2025

## Strengthen institutional capacity

1. SPREP, PICTs, and partners shall undertake regular WCP data collection and management (including storage, interpretation, dissemination, and sharing).
2. PICTs, supported by SPREP and partners shall develop and enforce national policies, strategies, plans and legislation and strengthen institutional arrangements to support and promote best practice WCP management.

# CLEANER PACIFIC 2025

## Promote public private partnerships

3. SPREP, PICTs, and partners shall strengthen existing and develop new public private partnerships including through strengthened PPP frameworks.

# CLEANER PACIFIC 2025

## Implement sustainable best practices in WCP management

4. SPREP, PICTs, and partners shall implement best practice occupational health and safety measures for formal and informal workers in the WCP management sectors.
5. PICTs, supported by SPREP and partners, shall implement WCP prevention and reduction programmes.

# CLEANER PACIFIC 2025

## Implement sustainable best practices in WCP management

6. PICTs, supported by SPREP and partners, shall implement resource recovery programmes.
7. PICTs, supported by SPREP and partners, shall remediate contaminated sites and WCP stockpiles in accordance with best practices.

# CLEANER PACIFIC 2025

## Implement sustainable best practices in WCP management

8. PICTs, supported by SPREP and partners, will expand user-pay WCP collection services.
9. PICTs, supported by SPREP and partners, shall improve WCP management infrastructure and support sustainable operation and maintenance.



# CLEANER PACIFIC 2025

Implement sustainable best practices in WCP management

10. PICTs, supported by SPREP and partners, shall implement best practice environmental monitoring and reporting programmes.

# CLEANER PACIFIC 2025

## Develop human capacity

11. SPREP, PICTs, and partners shall implement sustainable human capacity development programmes for WCP management stakeholders.

# CLEANER PACIFIC 2025

Improve dissemination of outcomes and experiences in WCP management

12. SPREP, PICTs, and partners shall utilise project outcomes to implement regional and national WCP education and behavioural change programmes.

# CLEANER PACIFIC 2025

## Promote regional and national cooperation

13. SPREP, PICTs, and partners shall establish a regional Clean Pacific Roundtable.
14. SPREP, PICTs, and partners shall strengthen national and regional cooperation and coordination on waste and pollution management activities.
15. SPREP, PICTs, and partners shall cooperate to ensure timely monitoring of the Integrated Regional Waste Management and Pollution Control Strategy 2016-2025.

# CLEANER PACIFIC 2025

## Implementation Plan

- Each strategic action has corresponding activities to make it happen
- Specified in each activity is the lead agency, priority PICTs, potential partners, timeframe, KPIs

# CLEANER PACIFIC 2025

## Monitoring and Evaluation

- PICTs to submit national annual reports
- SPREP to prepare a regional synthesis of national reports
- SPREP to launch a waste and pollution management roundtable
- SPREP to coordinate face-to-face discussions with development partners
- Participative mid-term review in 2020



# Clean Pacific Roundtable Proposal

## Three roles:

- To coordinate and facilitate waste management and pollution control dialogue and networking in the region
- To support the monitoring and progress reporting of Cleaner Pacific 2025
- To share experience on waste management and pollution control and disseminate information on new and existing funding opportunities



## Proposed Arrangements:

- Led by a steering committee approved by the roundtable for a two-year period
- Steering committee members to include:
  - SPREP (coordinator, roundtable secretariat)
  - Representatives from Micronesia, Melanesia and Polynesia
  - Representatives from CROP agencies, civil society, private sector, development partners, and donors
- Bi-ennial meetings (back-to-back with other meetings such as preparatory meetings for the waste/chemical COPs)

## •Inputs

Data, experiences, issues and other information from roundtable participants

## •Outputs

Updated matrix of waste management and pollution control activities across PICTs

Prioritised biennial work programme for roundtable members

## •Expected Outcomes

Timely implementation of agreed activities

Better understanding of gaps and opportunities

Mobilisation of technical and financial resources to fill gaps



# Must be donor coordinated

EDF11 requirement	RS16	EDF11	JICA (tbc)	GEF Chemicals	PacPOL	UNEP
1. PPP						
2. Quality data						
3. Regs and Policy						
4. Private sector engagement						
5. Sustainable best practice					<b>Etc</b>	
6. Increased human capacity						
7. Information exchange						

*“The greatest threat to our planet is the belief that someone else will save it.”*

- Richard Swan-

**Thank you for your attention!**

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