

Container Deposit Legislation (CDL) and Stewardship Programmes in Pacific Island Countries

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Presentation Outline

- The Pacific Region and SPREP
- Waste in the Pacific
- CDL Programmes in the Pacific
- Challenges & Opportunities



I. THE PACIFIC REGION AND SPREP



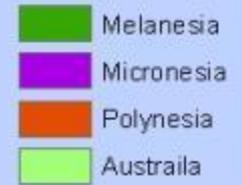
MICRONESIA

“Small Islands”

Over 2,000 atolls, islands & reefs

Harsh climates

21 Island nations
Over 9 million people
Over 7,500 islands
EEZ of 29 million km²
2% land area



MELANESIA

Volcanic, fertile, resource rich

98% of total Pacific land area

90% of the population

POLYNESIA

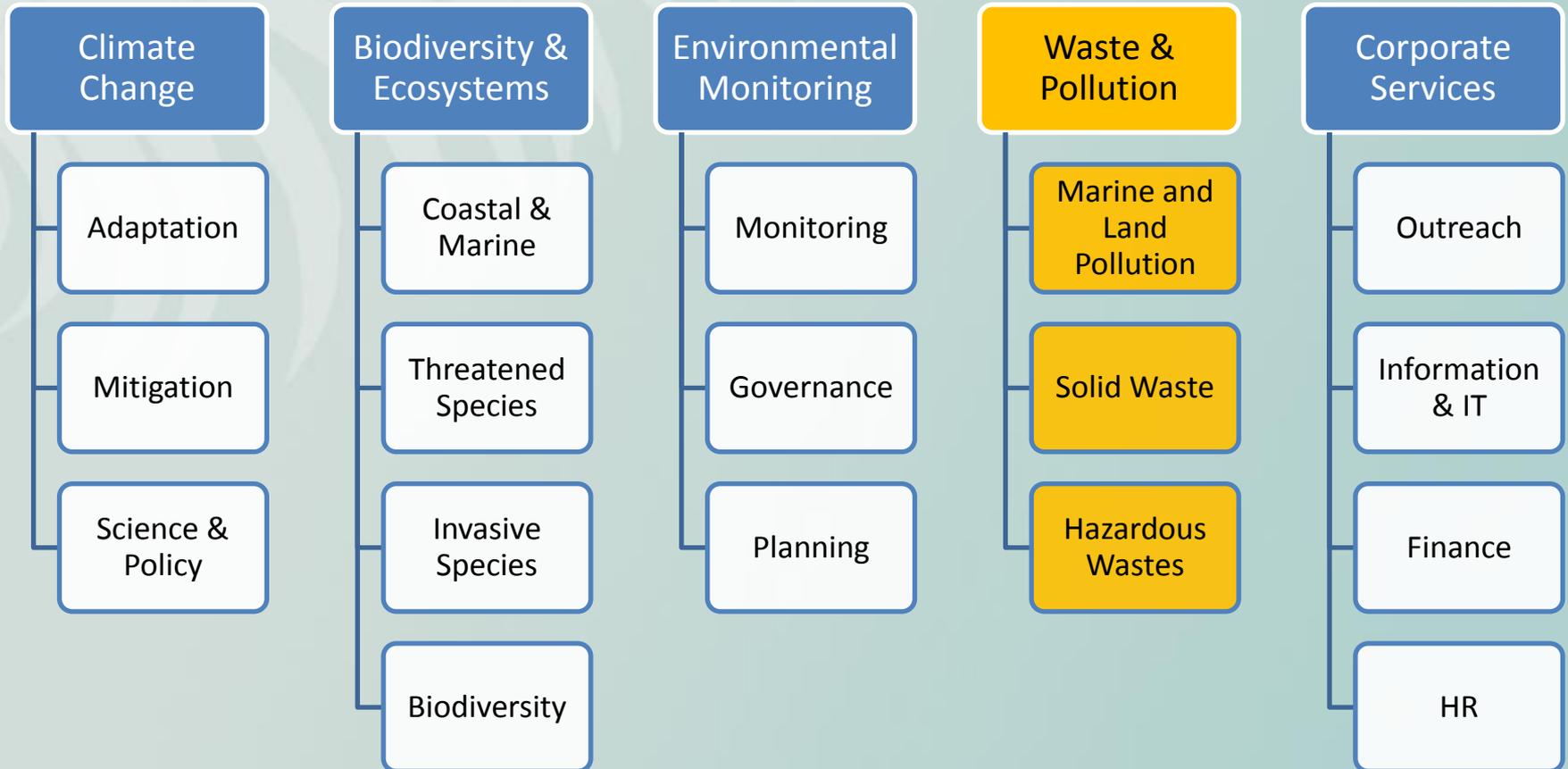
“Many islands”

Array of islands

About SPREP

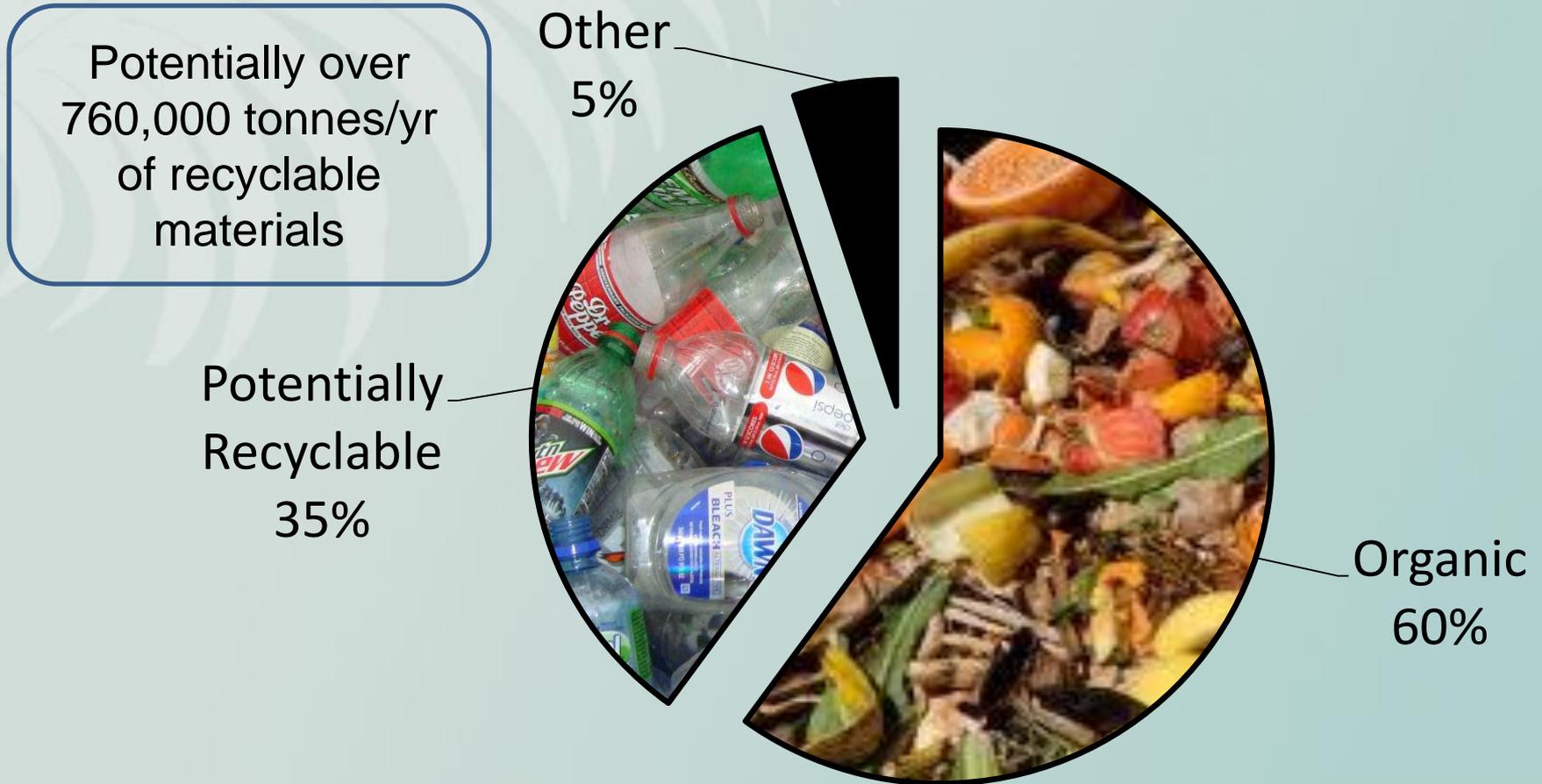
- Established in 1993 in Samoa
- Promotes cooperation and provides assistance in environmental protection and improvement in the Pacific islands region
- 26 Member governments
 - 21 Pacific island countries and territories
 - 5 metropolitan countries (Australia, France, NZ, UK, USA)
- IPLA Sub-regional Secretariat for Pacific SIDS
- www.sprep.org

Organizational Structure



II. WASTE IN THE PACIFIC

Typical Municipal Solid Waste Composition in the Pacific

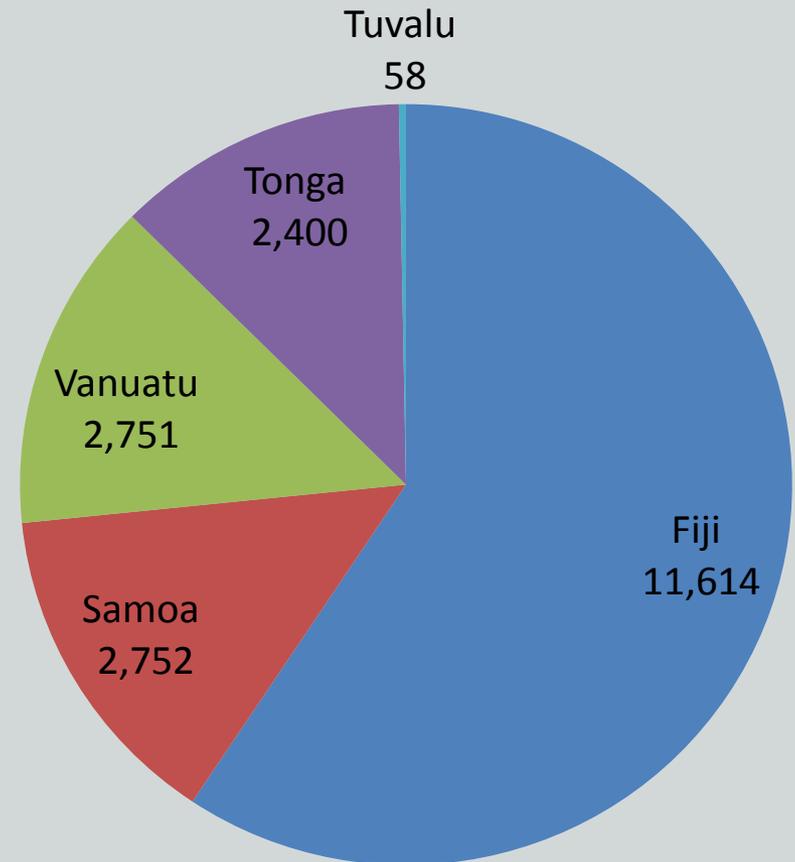


0.6 kg/person/day

End-of-life Vehicles

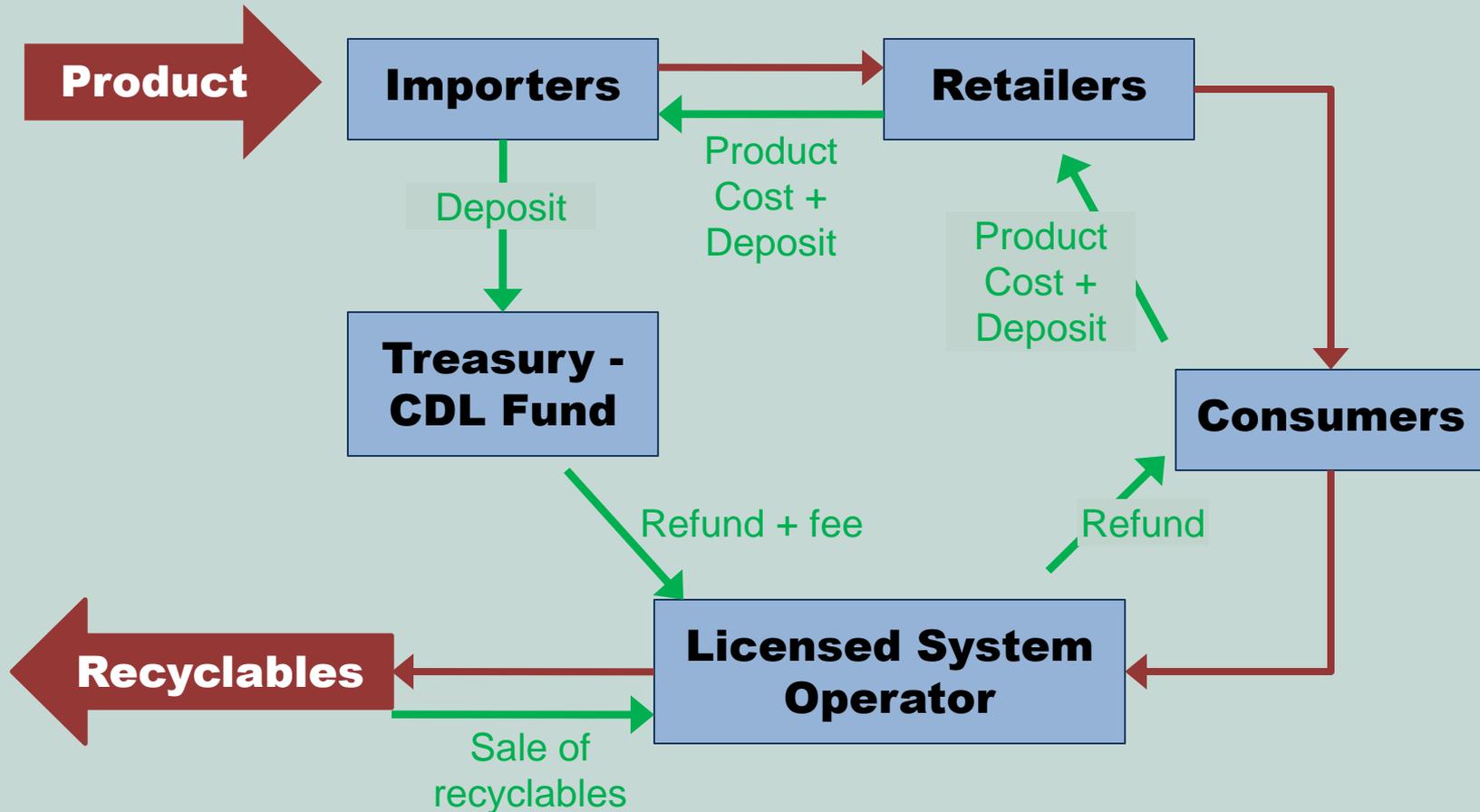
- Numerous vehicle imports from Japan, NZ, Australia
- Legacy end-of-life vehicle stockpiles throughout the Pacific
- 19,500 tonnes recycled from 5 countries in 2011
- 25% increase in exports projected by 2010
- Exported mainly to Asia, NZ, Australia

2011 Exports (tonnes/yr)
~ 20,000 tonnes/yr



III. CDL PROGRAMMES IN THE PACIFIC

Typical CDL System in the Pacific



Kiribati, Palau, Federated States of Micronesia

Features of Pacific CDL Systems

Feature	Range
Deposit (US\$)	\$0.05 - \$0.10
Refund	40% - 100% of the deposit
Deposit due	On import After sale
Materials handled	PET beverage & cooking oil containers Aluminium & steel cans Glass bottles Used lead acid batteries
Exceptions	Containers containing milk Containers over specific size

Features of Pacific CDL Systems

Feature	Range
Fund manager	Treasury Department
System Operator	<ul style="list-style-type: none">• National/State Government or Agency• Local council• Private company under contract to govt.
Fate of materials collected	<ul style="list-style-type: none">• Sold by System Operator to local recycling company for consolidation and export• Exported directly by System Operator
Issues	<ul style="list-style-type: none">• Restricted access to deposit fund• Declining deposit fund• No export of collected materials



Positive Impacts of CDL

- Container recycling
 - 23 M containers/yr in Palau
 - 2.4 M containers/yr in Yap
 - 8.1 M containers/yr in FSM
 - 3.7 M containers/yr in Kiribati
- Business development
- Job creation, employment
- Reduction in waste to landfill and litter
- Reduction in household waste collection burden

What is the Pacific doing?

AFD Regional Initiative (2011-2014)

- Stewardship programmes for environmentally sound used oil management in Fiji, Vanuatu, Samoa



EU Pacific Hazardous Waste Management Project (2013-2017)

- Stewardship programmes for E-waste



IV. CHALLENGES AND OPPORTUNITIES

Challenges

- Dispersed population, dispersed waste
- Recycling hampered by poor inter-island transportation network, and limited port infrastructure (e.g. for Roll-On-Roll-Off ships)
- Difficult to apply Extended Producer Responsibility (no major producers in the Pacific)
- Low prioritisation of CDL & waste management by politicians, policy-makers
- Continuously emerging materials and material combinations

Opportunities (Future Work)

- Promote waste avoidance (easier to manage in isolated locations)
- Develop pilot programmes with ports to improve inter-island recycling
- Identify and develop local recycling solutions. (*what local sustainable recycling solutions have been developed in Asia?*)
- Investigate full feasibility of regional or sub-regional recycling options in the Pacific (extension of JICA report)

Opportunities (Future Work)

- Fast-track uptake of CDL by other Pacific Island Countries
 - Raise awareness of CDL benefits among policy makers, politicians
 - Promote good case studies from Pacific and Asia regions
- Expand existing CDL frameworks to include other recyclable materials (tires, end-of-life vehicles, e-waste)
- Establish Network of Pacific Recyclers to support CDL
- Explore partnerships with Asian Manufacturers/Producers for products sourced through Asia
- Establish long-term partnerships with Asian Recyclers to potentially secure preferential access

Thank You

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