



Waste Management Policies & Practices in Pacific Island Countries & Territories

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(SPREP)

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SPREP



VITAL STATISTICS

Established 1993

Based in Samoa

21 Pacific island members

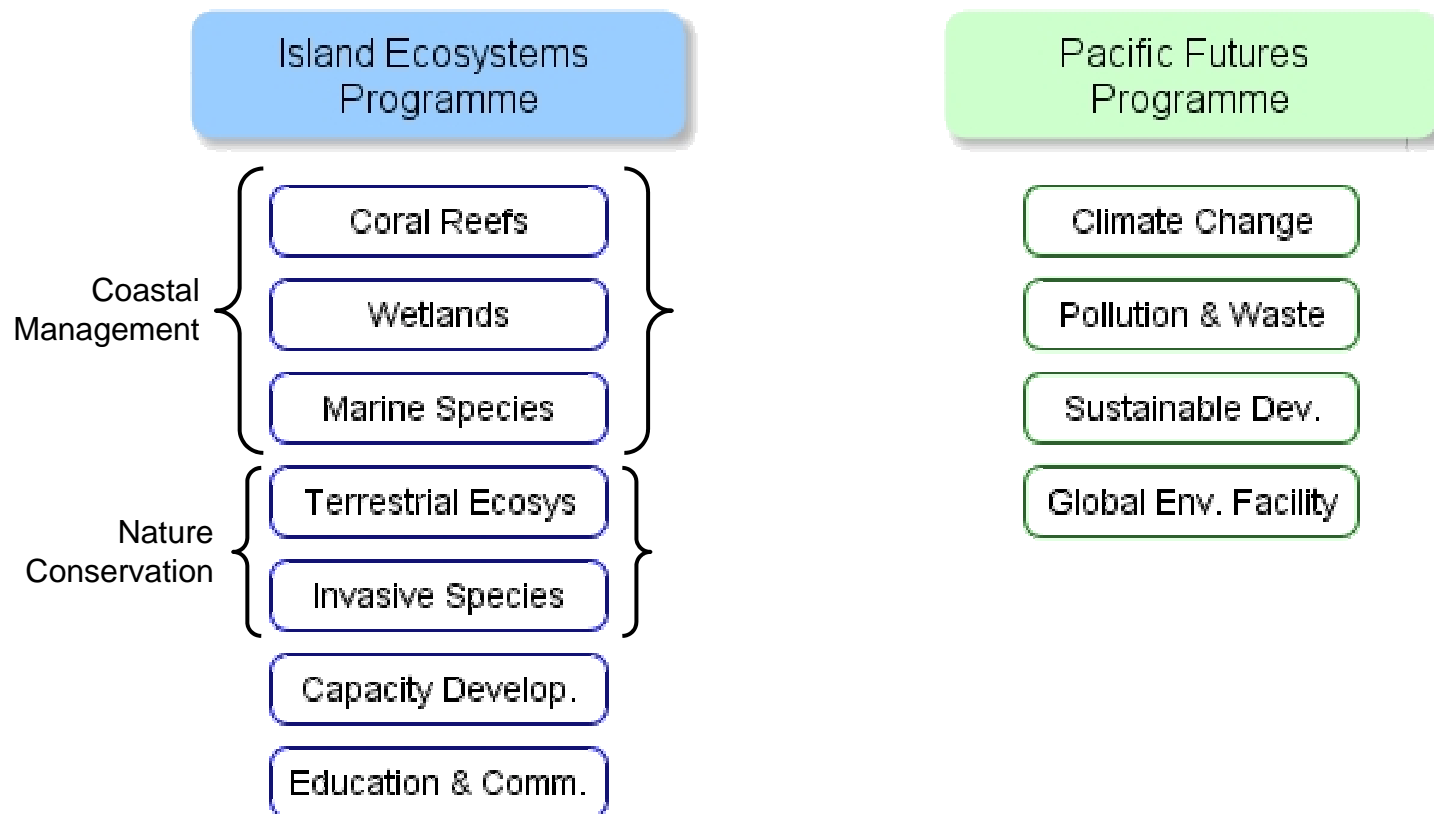
4 metropolitan country members

MANDATE

To promote cooperation in the Pacific islands region and to provide assistance in order to protect and improve the environment and to ensure sustainable development for present and future generations

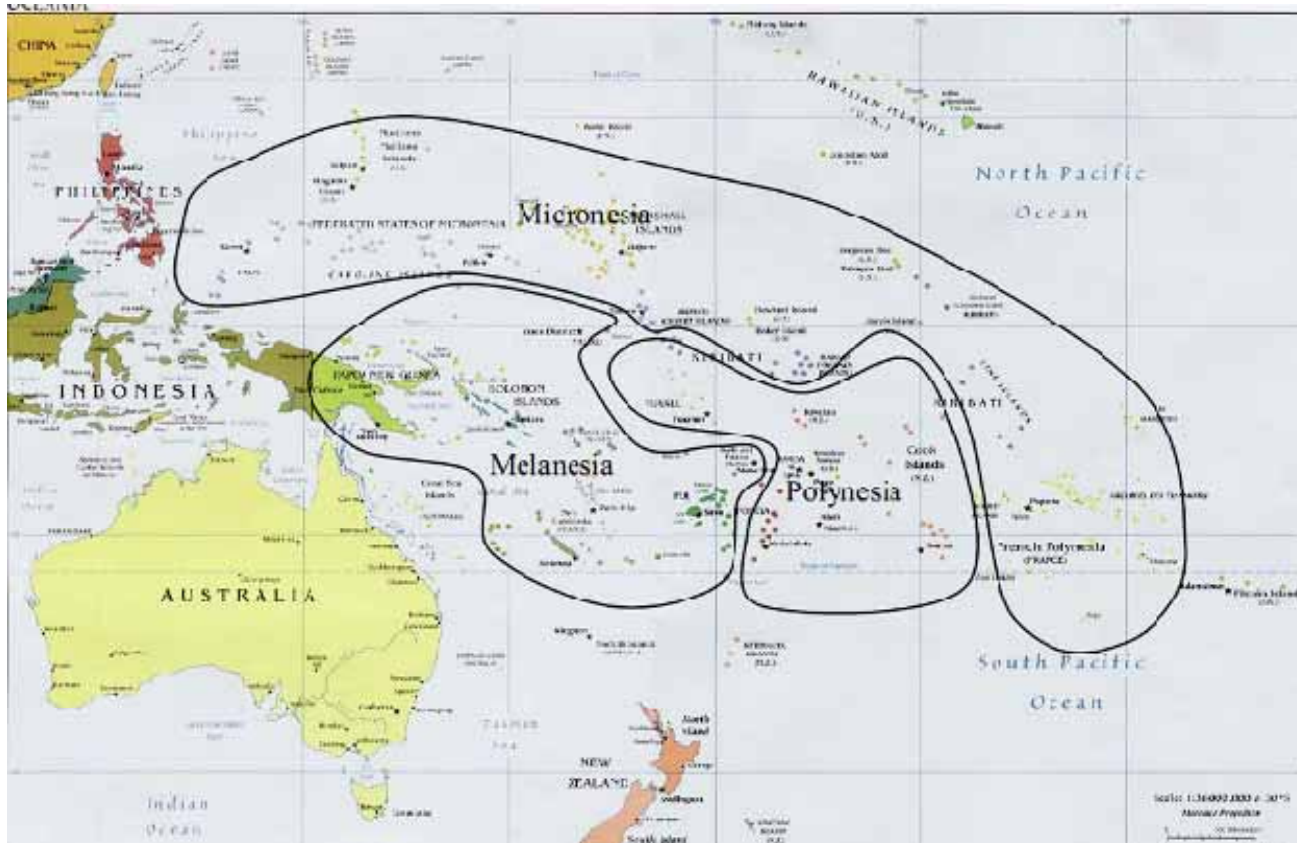


Programme Areas





The Pacific Islands



VITAL STATISTICS

14 Countries

8 Territories

30 million sq. km

(1/6th of earth's surface)

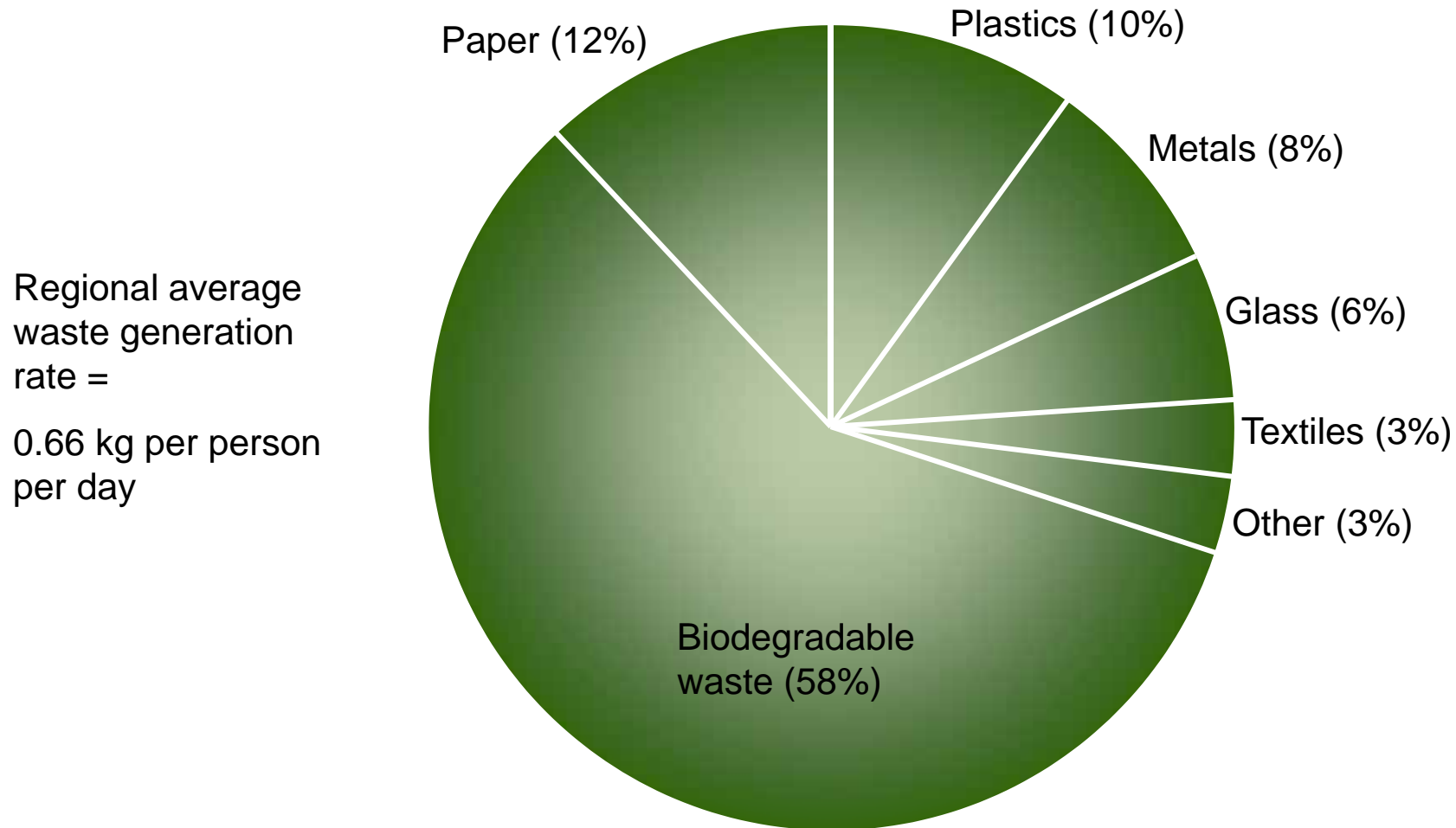
7,500 islands (2% of total area)

Only 500 inhabited

9.5 million people



Current Waste Situation



Source: S.C. Raj (2000), *Solid waste education and awareness in Pacific Island Countries*, Pacific Regional Waste Awareness and Education Programme, SPREP, Apia.



The Impacts



Coastal Pollution

(Reduced resilience of natural systems to climate change)



Wolcott Henry 2005/Marine Photobank





The Impacts



Threats to biodiversity



Photo: Chris Jordan



The Impacts



Economic Costs

- Palau
 - 1.6% of GDP (2006 est.)
- Tonga
 - TOP 5.6 Million or US\$ 2.9 Million (2006 est.)

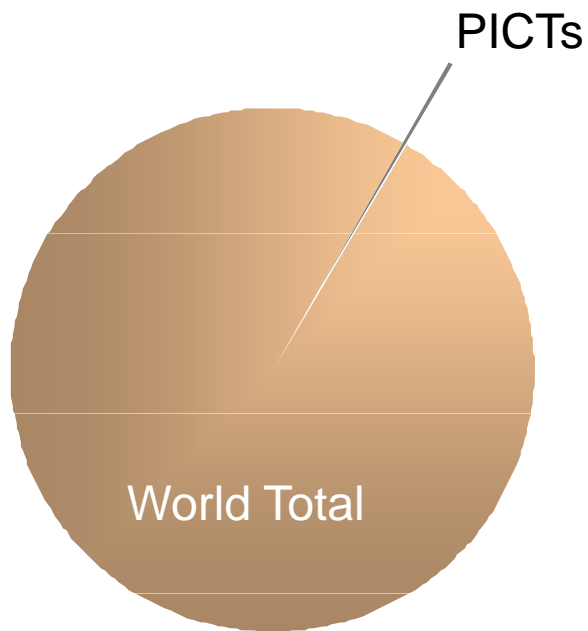
*Healthcare, vector control,
marine and wetland resources,
tourism*



Source: SPREP 2006



Climate Change Links



Contribution of waste sector

- No estimate for PICTS
- Other countries: 3-5%



Pacific Greenhouse Gas Emissions
Source: PIFACC 2006-2015



Implications of CC



Develop
disaster waste
management
plans



**More frequent and
intense weather
events
*i.e., more waste***

Promote 3Rs and
develop semi-
aerobic landfills if
feasible



**More pressure on
dumpsites and
landfills**



**Increased leaching
of coastal dumps**



Policies





Regional Approaches



Regulation of transboundary movements

The Waigani Convention
regulates movement of
hazardous wastes between
Parties

- includes radioactive wastes
- Pacific islands region only
- Similar to Basel Convention



Regional Approaches



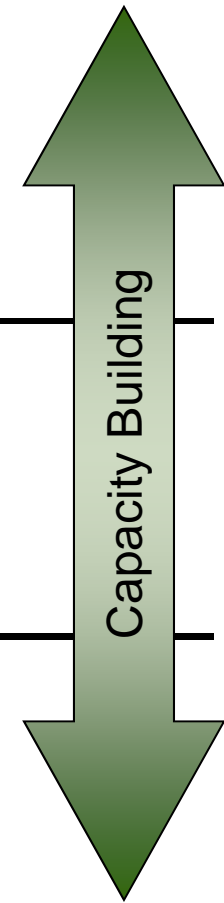
- Used oil recycling
- Support for national projects



- Waste collection
- Recycling
- Waste disposal



- Persistent Organic Pollutants disposal & management





Sub-regional Approach



Pacific Islands Regional Recycling Initiative Council (PIRRIC)

CNMI, FSM, Guam, Palau, RMI

Develop comprehensive sub-regional action plan based on Regional Strategy

Progress public-private partnerships for scrap metal stockpile management

Cost-benefit analysis of alternatives (incl. scrap tyres)



National Initiatives



Promoting 3Rs



Waste Minimization and Recycling Promotion Project

Fiji (Lautoka City & Nadi Town)

Promotes source separation, backyard composting, and recycling

Improvements to Lautoka City dump

Community involvement (establishment of 3R committees)





Waste Reduction



Tokelau

Implemented a ban on plastic beverage bottles imported into Fakaofu atoll

Generation of plastic waste reduced

At the same time, more drinks imported in cans

Makes recycling more feasible





Reducing Impacts



Plastic Bags

- 2005: Ban on all plastic bags failed in PNG
- 2009: PNG implements policy banning non-biodegradable plastic bags
- 2008: Samoa passes a ban non-biodegradable plastic bags
- 2010: Fiji investigates options for reducing consumption
- 2011: American Samoa to enforce similar policy (Feb 23rd)





Promoting Reuse



Working with the informal sector

Waste pickers are vital in diverting recyclable waste

Samoa: policy of working with the waste pickers on the landfill

- ID badges provided
- Sanitary practices encouraged





Recycling



Container Deposit Legislation

*Kiribati's Kaoki Maange!
(Return the Rubbish!)*

Special Fund (Waste Material Recovery) Act 2004

Special Fund (Waste Material Recovery) Regulations 2004

Item	Deposit	Refund
Al. Cans	5¢	4¢
Lead acid batteries	\$5	\$5





Recycling



Container Deposit Legislation

Replicated in:

FSM

Fiji

Palau

Vanuatu





Recycling



Container Deposit Legislation

iRecycle Guam

School kids save their cans and place them in recycle bins

Various business partners collect, process, and transport the cans to USA where they are sold at market value

Net proceeds returned to school for various projects/equipment



Recycling



E-waste management

E-waste Inventories in Cook Islands, Kiribati, FSM & Samoa

E-waste quantities are increasing

- Rapid changes in technology
- Affordable consumer electronics
- Better access to electricity supply

Disposal practices cannot cope with e-waste





Recycling



E-waste management

E-waste policy Samoa

E-waste management policy being developed for Samoa

Samoa's case will lead to the development of a model regional policy for e-waste

Linked to Regional Information and Communication Technology Digital Strategy





Sustainable Financing



Palau's Protected Area Network Green Fee

Supports natural resource conservation efforts

Implemented 1st Nov 2009

US\$15.00 paid on departure

US\$ 1.3 Million raised in 9 months



Sustainable Financing



Cook Islands' Environment Protection Fund

Supports protection & conservation of the natural environment

Implemented in 1994

NZ\$ 5.00 paid on departure

NZ\$ 225,000 raised annually





Challenges



- Reporting of successful measures
- Scaling-up of successful policy measures
- Implementation
 - Technical capacity
 - Financial resources





A Way Forward



- Continue working with donors/partners to maximize available resources
- Increase country capacity to access and use resources
- Disseminate lessons learnt from pilot projects (e.g. Fiji)
- Seek new beneficial 3R partnerships
- Establish South-South cooperation for information sharing and peer-learning
- Exploring new opportunities (e.g. CDM)



Thank you for your attention!

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