Fifth Regional 3R Forum in Asia and the Pacific

"Multilayer Partnerships and Coalition as the Basis for 3Rs Promotion in Asia and the Pacific" Surabaya, Indonesia, 25-27 February 2014

Country Report

(Draft)

<Palau>

This country report was prepared by Palau as an input for the Fifth Regional 3R Forum in Asia and the Pacific. The views expressed herein do not necessarily reflect the views of the United Nations.

Country Report

Name of the Country: PALAU

Name, Designation and Organization Respondent: Ministry of Public Infrastructure, Industries and Commerce - Palau

Other Organizations contributing to Country Report:

(**Note:** Though a number of key line Ministries of PALAU such as Ministry of Natural Resources, Environment, and Tourism and Ministry of Public Infrastructure, Industries, and Commerce, are invited to Fifth Regional 3R Forum in Asia-Pacific, only <u>one</u> consolidated joint country report is requested)

Voluntary reporting on progress/achievements/initiatives towards implementation of the *Ha Noi 3R* Declaration – Sustainable 3R Goals for Asia and the Pacific (2013-2023)

With the objective of demonstrating renewed interest and commitment of Asia-Pacific countries towards realizing a promising decade (2013-2023) of sustainable actions and measures for achieving resource efficient and sound material cycle society in the rapidly urbanizing region, the Fourth Regional 3R Forum in Asia-Pacific in 2013 discussed and agreed the "Ha Noi 3R Declaration – Sustainable 3R Goals for Asia and the Pacific 2013-23". The objective of the Country Reporting is to share among the Asia-Pacific countries the progress and achievements made, including various challenges faced, by countries in implementing each of the underlined Goals of the Declaration. It is also expected to help development agencies, donors and multilateral development banks (MDBs) better devise their existing as well as future capacity building and technical assistance programs in the areas of 3Rs and resource efficiency, including building 3R infrastructures. While preparing the country report, it is highly recommended that all other relevant line Ministries/Agencies such as Ministry of Environment, Ministry of Industry, Ministry of Public Works, Ministry of Urban Development, Ministry of Energy, etc., are consulted.

Please list below the type of date reports/statistical compendium available in the areas of waste management in your country:

- 1....
- 2.....
- 3.....
- 4.....

Go	Goal Goal Description Voluntary Progress/Achievements/Initiatives in Implementing Ha			Initiatives in Implementing Ha Noi 3R
No	1		Declaration	
I. 3	R Go	als in Urban/Industrial Areas		
	1	Significant reduction in the quantity	Any action had been taken so far?	Challenges faced in implementation:
		of municipal solid waste generated,	☐ Not yet	
te		by instituting policies, programmes,	x Some (design – piloting)	
was		and projects at national and local	☐ Largely in Place	
olid		levels, encouraging both producers	☐ Fully Completed	
ll so		and consumers to reduce the waste	(Please Check the box)	
cipa		through greening production,	Examples of pilot projects and/or police	ies developed or under development – include
3Rs in municipal solid waste		greening lifestyle, and sustainable	websites/URLs where relevant- Developme	ent of National Solid Waste Management Plan and
		consumption.	Implementation of 3R campaigns during spec	cial holidays.
Rs ii			Important Actions you will take in 2014- e.	xecute more 3R programs and activities throughout
3			the year.	
			Is this Goal relevant for your country? x Ye	es \square No \square Partially
al	2	Full-scale utilization of the organic	Any action had been taken so far?	Challenges faced in implementation:
cip		component of municipal waste,	☐ Not yet	Procurement of equipments and training
		including food waste, as a valuable	☐ Some (design – piloting)	personnel.
3Rs in municipal		resource, thereby achieving multiple	x Largely in Place	
Rs i		benefits such as the reduction of	☐ Fully Completed	
33.		waste flows to final disposal sites,	(Please Check the box)	

Goa	al	Goal Description	Voluntary Progress/Achievement	s/Initiatives in Implementing Ha Noi 3R		
No.	•		Declaration			
			Examples of pilot projects and/or policies	es developed or under development – include URLs		
			where relevant			
			Koror State Composting Facility significa	ntly reduces the amount of green waste and food waste		
			hat goes into the national landfill.			
			Important Actions you will take in 2014- Extension of compost facility to produce me			
			composts materials.			
			Is this Goal relevant for your country? x	Yes \square No \square Partially		
	3	Achieve significant increase in	Any action had been taken so far?	Challenges faced in implementation:		
4)		recycling rate of recyclables (e.g.,	☐ Not yet	Monitoring the import vs export and financial		
aste		plastic, paper, metal, etc.), by	\square Some (design – piloting)	monitoring of the deposit fee and the recycling fund.		
d w		introducing policies and measures,	x Largely in Place	And monitoring of manual counting at the		
soli		and by setting up financial	☐ Fully Completed	Redemption Center.		
pal		mechanisms and institutional	(Please Check the box)			
nicij		frameworks involving relevant	Examples of pilot projects and/or policies	es developed or under development - include URLs		
mm		stakeholders (e.g., producers,	where relevant			
3Rs in municipal solid waste		consumers, recycling industry, users	Implementation of the Recycling Law- Be	verage container deposit fee program.		
3Rs		of recycled materials, etc.) and				
		development of modern recycling	Important Actions you will take in 2014			
		industry.	To strengthen the monitoring system of the	e Program.		

Goal Goal Description Voluntary Progress/Achievements/Initiatives in			Initiatives in Implementing Ha Noi 3R				
No.			Declaration				
			Is this Goal relevant for your country? \Box Y	Yes □ No □ Partially			
	4	Build sustainable cities /green cities	Any action had been taken so far?	Challenges faced in implementation:			
		by encouraging "zero waste" through	x Not yet				
		sound policies, strategies,	☐ Some (design – piloting)				
aste		institutional mechanisms, and	☐ Largely in Place				
d wa		multi-stakeholder partnerships	☐ Fully Completed				
solic		(giving specific importance to private	(Please Check the box)				
)al		sector involvement) with a primary	Examples of pilot projects and/or policies developed or under development – include U				
 nicij		goal of waste minimization	where relevant				
3Rs in municipal solid waste							
3Rs			Important Actions you will take in 2014				
			Is this Goal relevant for your country?	Yes			
7	5	Encourage the private sector ,	Any action had been taken so far?	Challenges faced in implementation:			
tria		including small- and medium-sized	☐ Not yet				
		enterprises (SMEs) to implement	x Some (design – piloting)				
n in		measures to increase resource	☐ Largely in Place				
3Rs in industrial		efficiency and productivity, creation	☐ Fully Completed				
(E)		of decent work and to improve	(Please Check the box)				

Goa	Goal Goal Description		Voluntary Progress/Achievements/Initiatives in Implementing Ha Noi 3R			
No.			Declaration			
		environmentally-friendly practices	Examples of pilot projects and/or policies developed or under development - include URLs			
		through applying environmental	where relevant			
		standards, clean technologies, and	Through 3R campaign, some SMEs are now using biodegradable bags and some Farms are also			
		cleaner production.	using compost materials for farming.			
			Important Actions you will take in 2014			
			Strengthen partnership with the private sector			
			Is this Goal relevant for your country? x Yes \square No \square Partially			
	6	Promote the greening of the value	Any action had been taken so far? Challenges faced in implementation:			
		chain by encouraging industries and	x Not yet			
		associated suppliers and vendors in	☐ Some (design – piloting)			
ste		socially responsible and inclusive	☐ Largely in Place			
wa		ways.	☐ Fully Completed			
trial			(Please Check the box)			
3Rs in industrial waste						
s in i			Examples of pilot projects and/or policies developed or under development – include URLs			
3R			where relevant			
			Important Actions you will take in 2014			

Goal No.		Goal Description	Voluntary Progress/Achievements	ts/Initiatives in	Implementing	Ha Noi 3R
			Declaration			
			Is this Goal relevant for your country?	□ Yes	□ No	☐ Partially
3Rs in industrial waste	7	Promote industrial symbiosis (i.e., recycling of waste from one industry as a resource for another), by providing relevant incentives and support.		-	I in implementation:	- include URLs
				□ Yes	□ No	☐ Partially

Goa	Goal Goal Description		Voluntary Progress/Achievements/I	Initiatives in Implementing Ha Noi 3R		
No.			Declaration			
	8	Build local capacity of both current	Any action had been taken so far?	Challenges faced in implementation:		
		and future practitioners, to enable the	□ Not yet	Monitoring the private sector and their reporting of		
		private sector (including SMEs) to	x Some (design – piloting) e	export amount of recyclables.		
4)		obtain the necessary knowledge and	☐ Largely in Place			
ast		technical skills to foster green	☐ Fully Completed			
al w		industry and create decent, productive	(Please Check the box)			
3Rs in industrial waste		work.	Examples of pilot projects and/or policies	developed or under development - include URLs		
npu			where relevant			
in ii			Contract with private sectors to collect and e	xport scrap metals and pet bottles off island.		
RS						
· co			Important Actions you will take in 2014			
			Capacity building for both private sector and	regulators.		
			Is this Goal relevant for your country? x Yo	es \square No \square Partially		
ı.	9	Develop proper classification and	Any action had been taken so far?	Challenges faced in implementation:		
stri		inventory of hazardous waste as a	x Not yet			
npı		prerequisite towards sound	☐ Some (design – piloting)			
n in		management of such waste.	☐ Largely in Place			
3Rs in industrial			☐ Fully Completed			
3			(Please Check the box)			

Goal	Goal Description	Voluntary Progress/Achievement	s/Initiatives in Implementing	g Ha Noi 3R	
No.		Declaration			
		Examples of pilot projects and/or polici- where relevant	es developed or under development	- include URLs	
		Important Actions you will take in 2014			
		Is this Goal relevant for your country?] Yes □ No	☐ Partially	
II. 3R G	oals in Rural Areas				
10	Reduce losses in the overall food	Any action had been taken so far?	Challenges faced in implementation	:	
	supply chain (production, post	x Not yet			
	harvesting and storage, processing	☐ Some (design – piloting)			
	and packaging, distribution), leading	☐ Largely in Place			
	to reduction of waste while increasing	☐ Fully Completed			
	the quantity and improving the	(Please Check the box)			
	quality of products reaching				
	consumers.				
		Examples of pilot projects and/or polici	es developed or under development	- include URLs	
		where relevant			

Goal	Goal Description	Voluntary Progress/Achievements	s/Initiatives in Implementing Ha N	loi 3R
No.		Declaration		
		Important Actions you will take in 2014		
		Is this Goal relevant for your country?	□ Yes □ No □ Par	tially
11	Promote full scale use of agricultural biomass waste and livestock waste through reuse and/or recycle measures as appropriate, to achieve a number of co-benefits including GHG emission reduction, energy security, sustainable livelihoods in rural areas and poverty reduction, among others.	Any action had been taken so far? x Not yet Some (design – piloting) Largely in Place Fully Completed (Please Check the box) Examples of pilot projects and/or policion where relevant Important Actions you will take in 2014 Is this Goal relevant for your country?	Challenges faced in implementation: les developed or under development – includ Yes No Par	
III. 3R (Goals for New and Emerging Wastes			

Goal	Goal Description	Voluntary Progress/Achievements	s/Initiatives in Implementing Ha Noi 3R
No.		Declaration	
12	Strengthen regional, national, and	Any action had been taken so far?	Challenges faced in implementation:
	local efforts to address the issue of	x Not yet	
	waste, in particular plastics in the	☐ Some (design – piloting)	
	marine and coastal environment.	☐ Largely in Place	
		☐ Fully Completed	
		(Please Check the box)	
		Examples of pilot projects and/or policion	es developed or under development - include URLs
		where relevant	
		Important Actions you will take in 2014	
		Is this Goal relevant for your country?	☐ Yes ☐ No ☐ Partially

Goal	Goal Description	Voluntary Progress/Achievement	s/Initiatives in Implementing Ha Noi 3R
No.	_	Declaration	
13	Ensure environmentally-sound	Any action had been taken so far?	Challenges faced in implementation:
	management of e-waste at all stages,	x Not yet	
	including collection, storage,	☐ Some (design – piloting)	
	transportation, recovery, recycling,	☐ Largely in Place	
	treatment, and disposal with	☐ Fully Completed	
	appropriate consideration for working	(Please Check the box)	
	conditions, including health and		
	safety aspects of those involved.		
		Examples of pilot projects and/or polici-	es developed or under development - include URLs
		where relevant	
		Important Actions you will take in 2014	
		Is this Goal relevant for your country?	☐ Yes ☐ No ☐ Partially

Goal	Goal Description	Voluntary Progress/Achievements	s/Initiatives in Implementing Ha Noi 3R
No.	_	Declaration	
14	Effective enforcement of established	Any action had been taken so far?	Challenges faced in implementation:
	mechanisms for preventing illegal	x Not yet	
	and inappropriate export and import	☐ Some (design – piloting)	
	of waste, including transit trade,	☐ Largely in Place	
	especially of hazardous waste and	☐ Fully Completed	
	e-waste.	(Please Check the box)	
		Examples of pilot projects and/or policie	es developed or under development - include URLs
		where relevant	
		Important Actions you will take in 2014	
		Is this Goal relevant for your country?	☐ Yes ☐ No ☐ Partially

Goal	Goal Description	Voluntary Progress/Achievement	ts/Initiatives	in Implementing	Ha	Noi 3	3R
No.		Declaration					
15	Progressive implementation of	Any action had been taken so far?	Challenges fac	ed in implementation:			
	"extended producer responsibility	x Not yet					
	(EPR)" by encouraging producers,	\square Some (design – piloting)					
	importers, and retailers and other	☐ Largely in Place					
	relevant stakeholders to fulfill their	☐ Fully Completed					
	responsibilities for collecting,	(Please Check the box)					
	recycling, and disposal of new and						
	emerging waste streams, in particular						
	e-waste.	Examples of pilot projects and/or polici-	ies developed or	r under development -	- incl	ude UR	Ls
		where relevant					
		Important Actions you will take in 2014					
		Is this Goal relevant for your country?	□ Yes	□ No	□ P	artially	
						,	

Goal	Goal Description		Voluntary Progress/Achievement	ts/Initiatives in Implementing Ha Noi 3R
No.			Declaration	
16	Promote the 3R concept	in	Any action had been taken so far?	Challenges faced in implementation:
	health-care waste management.		x Not yet	
			☐ Some (design – piloting)	
			☐ Largely in Place	
			☐ Fully Completed	
			(Please Check the box)	
			Examples of pilot projects and/or polici	ies developed or under development – include URLs
			where relevant	
			Important Actions you will take in 2014	
			-	
			Is this Goal relevant for your country?	☐ Yes ☐ No ☐ Partially
			, , , , , , , , , , , , , , , , , , ,	·
IV. 3R (Goals for Cross-cutting Issues			

Goal	Goal Description	Voluntary Progress/Achievement	s/Initiatives in Implementing Ha Noi 3R
No.	_	Declaration	-
17	Improve resource efficiency and	Any action had been taken so far?	Challenges faced in implementation:
	resource productivity by greeting	x Not yet	
	jobs nation-wide in all economic and	☐ Some (design – piloting)	
	development sectors	☐ Largely in Place	
		☐ Fully Completed	
		(Please Check the box)	
		Examples of pilot projects and/or policies	es developed or under development – include URLs
		where relevant	
		Important Actions you will take in 2014	
		Is this Goal relevant for your country?	☐ Yes ☐ No ☐ Partially

Goal	Goal Description	Voluntary Progress/Achievements	s/Initiatives in Implementing Ha Noi 3R
No.		Declaration	
18	Maximize co-benefits from waste	Any action had been taken so far?	Challenges faced in implementation:
	management technologies for local	x Not yet	
	air, water, oceans, and soil pollution	☐ Some (design – piloting)	
	and global climate change.	☐ Largely in Place	
		☐ Fully Completed	
		(Please Check the box)	
		Examples of pilot projects and/or policie	es developed or under development - include URLs
		where relevant	
		Important Actions you will take in 2014	
		Is this Goal relevant for your country?	☐ Yes ☐ No ☐ Partially

Goal	Goal Description	Voluntary Progress/Achievements	s/Initiatives in Implementing Ha Noi 3R
No.		Declaration	
19	Enhance national and local	Any action had been taken so far?	Challenges faced in implementation:
	knowledge base and research	x Not yet	
	network on the 3Rs and resource	☐ Some (design – piloting)	
	efficiency, through facilitating	☐ Largely in Place	
	effective and dynamic linkages	☐ Fully Completed	
	among all stakeholders, including	(Please Check the box)	
	governments, municipalities, the		
	private sector, and scientific		
	communities.	Examples of pilot projects and/or policies	es developed or under development - include URLs
		where relevant	
		Important Actions you will take in 2014	
		Is this Goal relevant for your country?	☐ Yes ☐ No ☐ Partially

Goal	Goal Description	Voluntary Progress/Achievement	s/Initiatives in Implementing Ha Noi 3R
No.	_	Declaration	_
20	Strengthen multi-stakeholder	Any action had been taken so far?	Challenges faced in implementation:
	partnerships among governments,	☐ Not yet	Understaffed and need capacity building in some
	civil society, and the private sector in	x Some (design – piloting)	areas.
	raising public awareness and	☐ Largely in Place	
	advancing the 3Rs, sustainable	☐ Fully Completed	
	consumption and production, and	(Please Check the box)	
	resource efficiency, leading to the		
	behavioural change of the citizens		
	and change in production patterns.	Examples of pilot projects and/or policies	es developed or under development – include URLs
		where relevant	
		Public Education and enhancement comm	ittee is now starting to implement 3R campaigns in the
		government sector and work their way to r	reach all stakeholders.
		Important Actions you will take in 2014	
		Recruit personnel and capacity building	
		Is this Goal relevant for your country? x	Yes ☐ No ☐ Partially

Goal	Goal Description	Voluntary Progress/Achievements	s/Initiatives in Implementing Ha Noi 3R
No.		Declaration	
21	Integrate the 3Rs in formal	Any action had been taken so far?	Challenges faced in implementation:
	education at primary, secondary, and	☐ Not yet	
	tertiary levels as well as non-formal	x Some (design – piloting)	
	education such as community	☐ Largely in Place	
	learning and development, in	☐ Fully Completed	
	accordance with Education for	(Please Check the box)	
	Sustainable Development.		
		Examples of pilot projects and/or policies	es developed or under development - include URLs
		where relevant	
		3R is a part of Elementary Schools Curricu	alum for third graders.
		Important Actions you will take in 2014	
		Expand on 3Rs to all grades including community college	
		Is this Goal relevant for your country? x	Yes ☐ No ☐ Partially

Goal	Goal Description	Voluntary Progress/Achievements/Initiatives in Implementing Ha Noi 3R		
No.		Declaration		
22	Integrate the 3R concept in relevant	Any action had been taken so far?	Challenges faced in implementation:	
	policies and programmes, of key	☐ Not yet		
	ministries and agencies such as	☐ Some (design – piloting)		
	Ministry of Environment, Ministry of	☐ Largely in Place		
	Agriculture, Forestry and Fisheries,	☐ Fully Completed		
	Ministry of Industry, Ministry of	(Please Check the box)		
	Trade and Commerce, Ministry of			
	Energy, Ministry of Water Resources,			
	Ministry of Transport, Ministry of	Examples of pilot projects and/or policies developed or under development – include URL		
	Health, Ministry of Construction,	where relevant		
	Ministry of Finance, Ministry of			
	Labour, Ministry of Land and Urban			
	Development, Ministry of Education,	Important Actions you will take in 2014		
	and other relevant ministries towards			
	transitioning to a resource-efficient	Is this Goal relevant for your country?	☐ Yes ☐ No ☐ Partially	
	and zero waste society.			
23	Promote green and socially	Any action had been taken so far?	Challenges faced in implementation:	
	responsible procurement at all	x Not yet		
	levels, thereby creating and	☐ Some (design – piloting)		
	expanding 3R industries and markets	☐ Largely in Place		
	for environmentally-friendly goods	☐ Fully Completed		
	and products.	(Please Check the box)		

Goal No.	Goal Description	Voluntary Progress/Achievements/Initiatives in Implementing Ha Noi 3R Declaration			
		Examples of pilot projects and/or policies developed or under development – include U where relevant			
		Important Actions you will take in 2014			
		Is this Goal relevant for your country?] Yes □ No	☐ Partially	
24	Phase out harmful subsidies that favour unsustainable use of resources (raw materials and water) and energy, and channel the freed funds in support of implementing the 3Rs and efforts to improve resource/energy efficiency.	x Not yet ☐ Some (design – piloting) ☐ Largely in Place ☐ Fully Completed	Challenges faced in implementation: es developed or under development -	- include URLs	
		Important Actions you will take in 2014 Is this Goal relevant for your country?] Yes □ No	☐ Partially	

Goal	Goal Description	Voluntary Progress/Achievements/Initiatives in Implementing Ha Noi 3R		
No.		Declaration		
25	Protect public health and	Any action had been taken so far?	Challenges faced in implementation:	
	ecosystems, including freshwater	☐ Not yet		
	and marine resources by	☐ Some (design – piloting)		
	eliminating illegal activities of open	x Largely in Place		
	dumping, including dumping in the	☐ Fully Completed		
	oceans, and controlling open burning	(Please Check the box)		
	in both urban and rural areas.	Examples of pilot projects and/or polici	es developed or under development – include URLs	
		where relevant		
		Regulated by the Environmental Quality Protection Board (EQPB) in Palau.		
		Important Actions you will take in 2014		
		Is this Goal relevant for your country? x	Yes	
26	Facilitate the international circulation	Any action had been taken so far?	Challenges faced in implementation:	
	of re-usable and recyclable resources	☐ Not yet		
	as well as remanufactured products as	☐ Some (design – piloting)		
	mutually agreed by countries and in	☐ Largely in Place		
	accordance with international and	☐ Fully Completed		
	national laws, especially the Basel	(Please Check the box)		
	Convention, which contributes to the	Examples of pilot projects and/or polici	es developed or under development – include URLs	
	reduction of negative environmental	where relevant	-	
	impacts and the effective			

Goal No.	Goal Description	Voluntary Progress/Achievements/Initiatives in Implementing Ha Noi 3R Declaration		
110.	management of resources.	Important Actions you will take in 2014		
27	Promote data collection, compilation	Any action had been taken so far?	Challenges faced in implementation:	
	and sharing, public announcement	☐ Not yet		
	and application of statistics on wastes	x Some (design – piloting)		
	and the 3Rs, to understand the state of	☐ Largely in Place		
	waste management and resource	☐ Fully Completed		
	efficiency.	(Please Check the box)		
		Examples of pilot projects and/or polici-	es developed or under development – include URLs	
		where relevant		
		Important Actions you will take in 2014		
		Is this Goal relevant for your country?	☐ Yes ☐ No ☐ Partially	
28	Promote heat recovery	Any action had been taken so far?	Challenges faced in implementation:	
	(waste-to-energy), in case wastes are	☐ Not yet		
	not re-usable or recyclable and proper	x Some (design – piloting)		
	and sustainable management is	☐ Largely in Place		
	secured.	☐ Fully Completed		
		(Please Check the box)		

Goal	Goal Description	Voluntary Progress/Achievements/Initiatives in Implementing Ha Noi 3R			
No.		Declaration	Declaration		
		Examples of pilot projects and/or policies developed or under development - include URLs			
		where relevant			
		Important Actions you will take in 2014			
		Is this Goal relevant for your country? Yes No Partial			
29	Promote overall regional cooperation	Any action had been taken so far?	Challenges faced in implen	nentation:	
	and multi-stakeholder partnerships	x Not yet			
	based on different levels of linkages	\square Some (design – piloting)			
	such as government-to-government,	☐ Largely in Place			
	municipality-to-municipality,	☐ Fully Completed			
	industry-to-industry, (research)	(Please Check the box)			
	institute-to-institute, and	Examples of pilot projects and/or policie	es developed or under deve	elopment - include URLs	
	NGO-to-NGO. Encourage technology	where relevant			
	transfer and technical and financial				
	supports for 3Rs from developed				
	countries to less developed countries.	Important Actions you will take in 2014			
		Is this Goal relevant for your country?	☐ Yes ☐ No	☐ Partially	

Goal	Goal Description	Voluntary Progress/Achievement	Voluntary Progress/Achievements/Initiatives in Implementing Ha Noi 3R		
No.		Declaration			
30	Pay special attention to issues and	Any action had been taken so far?	Challenges faced in implementation:		
	challenges faced by developing	☐ Not yet			
	countries including SIDS in achieving	☐ Some (design – piloting)			
	sustainable development.	☐ Largely in Place			
		☐ Fully Completed			
		(Please Check the box)			
		Examples of pilot projects and/or polici-	es developed or under development – include URLs		
		where relevant			
		Important Actions you will take in 2014			
		Is this Goal relevant for your country?	☐ Yes ☐ No ☐ Partially		
31	Promote 3R + "Return" concept	Any action had been taken so far?	Challenges faced in implementation:		
	which stands for Reduce, Reuse,	☐ Not yet			
	Recycle and "Return" where	☐ Some (design – piloting)			
	recycling is difficult due to the	☐ Largely in Place			
	absence of available recycling	☐ Fully Completed			
	industries and limited scale of	(Please Check the box)			

Goal	Goal Description	Voluntary Progress/Achievements/Initiatives in Implementing Ha Noi 3R		
No.		Declaration		
	markets in SIDS, especially in the	Examples of pilot projects and/or policies developed or under development – include where relevant		
	Pacific Region.			
		Important Actions you will take in 2014		
		Is this Goal relevant for your country?	☐ Yes ☐ No ☐ Partially	
32	Complete elimination of illegal	Any action had been taken so far?	Challenges faced in implementation:	
	engagement of children in the	☐ Not yet		
	informal waste sector and gradually	☐ Some (design – piloting)		
	improve the working conditions and	☐ Largely in Place		
	livelihood security, including	☐ Fully Completed		
	mandatory provision of health	(Please Check the box)		
	insurance, for all workers.	Examples of pilot projects and/or policies developed or under development - include URLs		
		where relevant		
		Important Actions you will take in 2014		
		Is this Goal relevant for your country?	☐ Yes ☐ No ☐ Partially	

Goal	Goal Description	Voluntary Progress/Achievements/Initiatives in Implementing Ha Noi 3R Declaration		
No.				
33	Promote 3Rs taking into account	Any action had been taken so far?	Challenges faced in implementation:	
	gender considerations.	☐ Not yet		
		☐ Some (design – piloting)		
		☐ Largely in Place		
		☐ Fully Completed		
		(Please Check the box)		
		Examples of pilot projects and/or policies developed or under development - include URLs		
	where relevant			
		Important Actions you will take in 2014		
		Is this Goal relevant for your country?	☐ Yes ☐ No ☐ Partially	

SOLID WASTE MANAGEMENT IN THE REPUBLIC OF PALAU

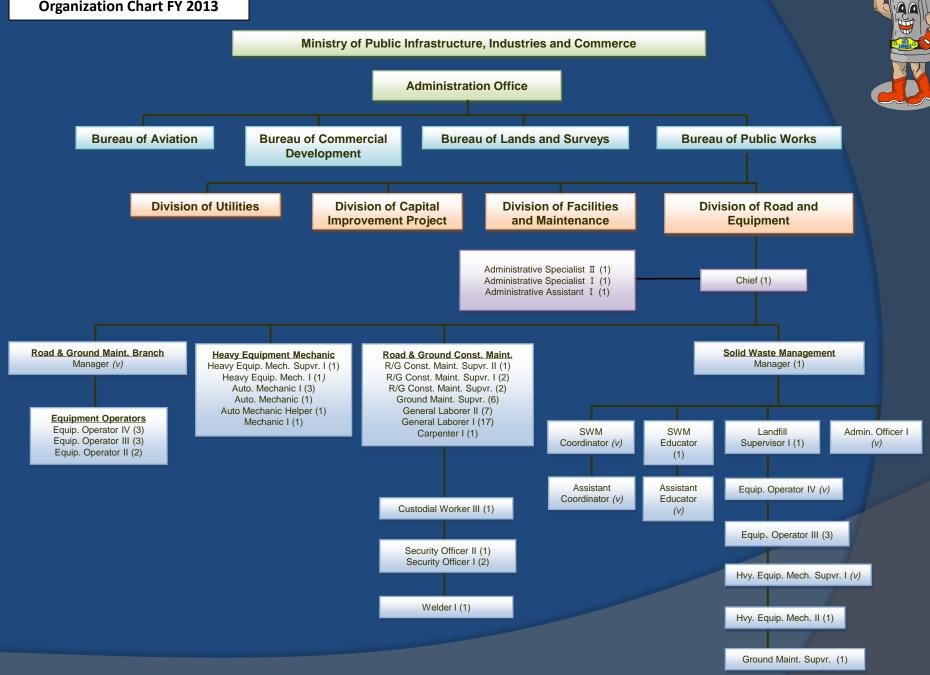




Contents

- Organization Chart
- Dumpsites/ Landfills
- Waste Generations
- Collection and Transportation
- Major Issues
- Good Practices
- Awareness Programs





Dumpsites

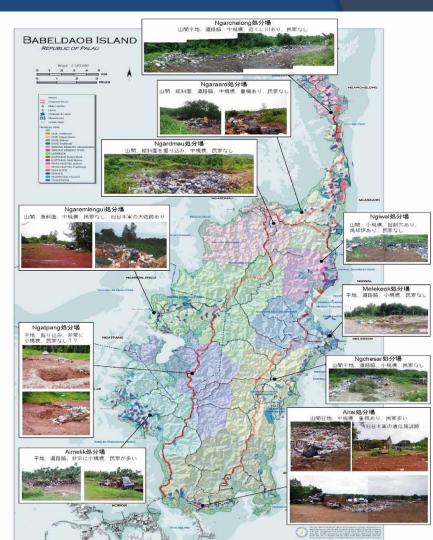


There are 16 States in Palau and 12 existing dumpsites.

National landfill is located in Koror State

- Known as M-dock landfill
- Operation by National Government
- In operation for more than 50 years
- Land area: 13 acres
- Founded on a reef flat
- Volume of Waste: 300,000 cubic yards (1998)

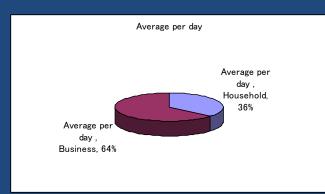




バベルダオブ島処分場概要図

Waste Generations

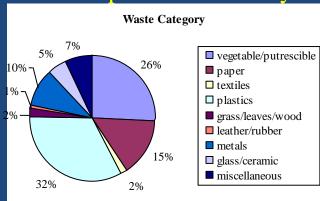
M-dock Landfill

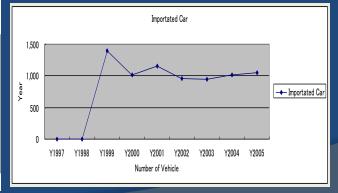


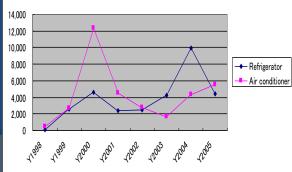
	Household	Business	Total
Weight in one week	60,720	106,000	166,720
Average per day	8,670	15,140	23,810



Municipal Waste Survey



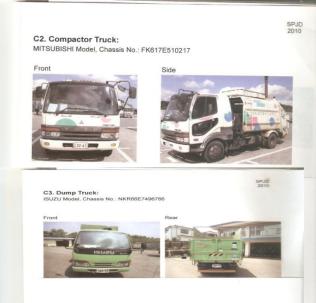




Collection / Transportation

- Each state does its own collection and transportation.
- Koror State is the largest.





- 1. Nissan Diesel- Compactor truck (3, 830kg), Diesel fuel,
- 2. Mitsubishi Compact truck (5,360kg), diesel fuel
- 3. 2 Isuzu Recycling truck (3,580kg) diesel fuel



Major Issues

- Location of new landfill and its construction.
 - ✓ August 2013- Executive Order: to establish the Landfill Task Force to review 3 options as follows:
 - 1) One landfill in Palau
 - 2) Several landfills in Palau
 - 3) All 16 States will have its own landfill

Waste Tires

✓ There are thousands of waste tires piled up in M-dock landfill and we
are still looking for a solution to tackle the waste tire issue.











Implementation of the Recycling Program.

Yearly DBC Report

Year	No. of DBC	DBC Fee	
2011	10,353,738	\$	1,035,373.80
2012	14,843,166	\$	1,484,316.60
2013	9,517,593	\$	951,759.30
Grand Total	34,714,497	\$	3,471,449.70

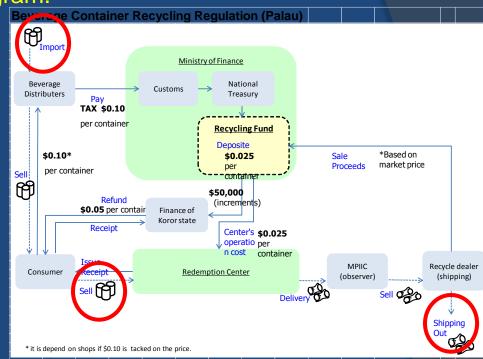
Note: 2013 shows data from Jan1-July 31

Average per month in Jan-Dec 2012

Import => 1.2 million => \$120,000

Redeemed => 1.9 million

Export => over 200 tons of aluminum cans and plastic bottles



Composting activities by Koror State.





Chairman

SWM Educator, Solid Waste Office- Bureau of Public Works

Members

- Division of Environmental Health
- Ministry of Education
- Koror State Solid Waste Office
- Palau Conservation Society (PCS)
- Palau Visitors Authority (PVA)

Collection & Transportation











Waste Segregation Stations







M-dock landfill



3R Campaigns









Beverage Container Recycling





Recycling Program in Palau

- Background
- Outline of Program
- Role of Concerned Agencies
- Law and Regulations
- Program Impacts
- Challenges Faced
- Exporting
- Improvement Plans

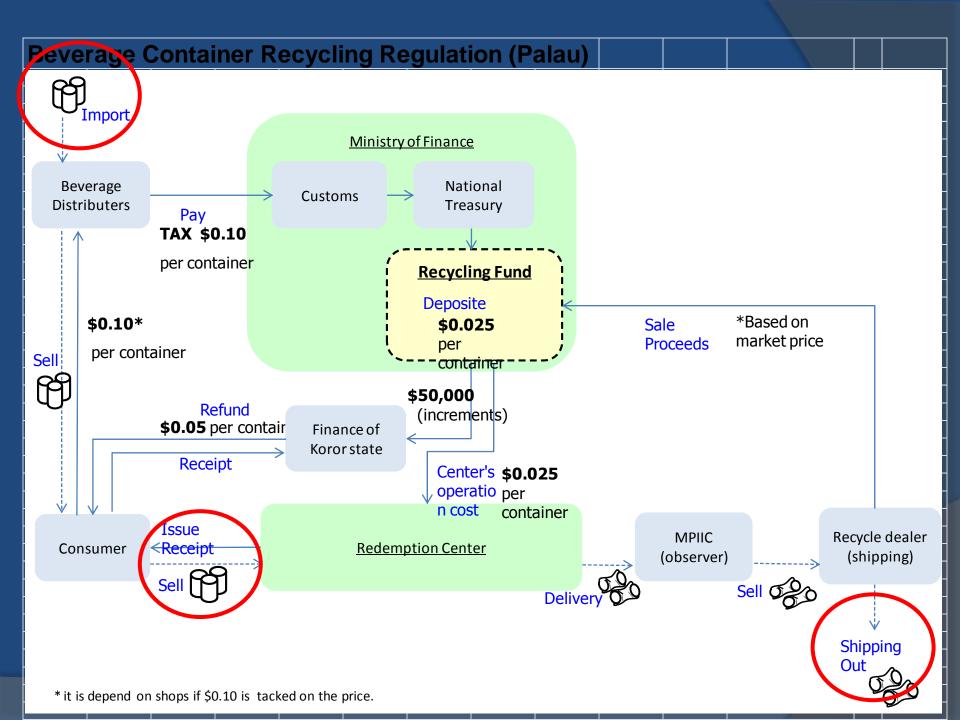
Background

- In 2005, a survey showed that eleven (11) million cans are imported into Palau annually, not to mention other beverage containers such as, plastics, glass, etc.
- These containers are recyclable and should not be dumped in landfills as our landfills are over capacity and sites for landfills are limited.
- In 2008, the national landfill (M-dock landfill) was projected to reach its capacity in 2013. Through this recycling program, the SWM office was able to extend the life of m-dock landfill for another 2-3 years.
- The recycling program was also projected to be a sustainable financial source for solid waste management.
- RPPL No. 7-24: Passed in October 2006.
 - In 2009, President of the Republic of Palau approved and signed the Beverage Container Recycling Regulations.
 - In March 2011, the Attorney General's (AG's) Office and Customs Office held a workshop with all stakeholders including major importers of beverage containers to review the law and its contents.
 - In April 2011, the Customs Office started the collection of the deposit fee.

Background (continued)

- In October 2011, Memorandum of Understanding (MOU) between Ministry of Public Infrastructure, Industries & Commerce and Ministry of Finance and Koror State Government was adopted to make the recycling facility of Koror State Government a initial Redemption Center for the recycling program. At the same time, the redemption center opened its doors to the public.
- In July 2012, the Ministry of Public Infrastructure, Industries and Commerce (MPIIC) awarded
 a service contract to Palau Waste Collection Company to buy the redeemed containers from
 the government and export off island for final treatment.

The Program is now in full operation from Import \rightarrow Redemption \rightarrow Export



Roles of Concerned Agencies

Name of organization	Responsibility		
Ministry of Finance	Management and maintenance of fund		
(MOF)	Monitoring of Fund		
	Collection of deposit fee by the Customs Office under MOF		
Ministry of Public	Implementation of the recycling program		
Infrastructure, Industries and Commerce (MPIIC)	Approve and monitor redemption center(s)		
	Export or find ways to export redeemed containers		
Koror State Government	Operation of the Redemption Center (initial redemption center)		

Law and Regulations

- RPPL No. 7-24: Establishing a recycling program for the Republic of Palau, establishing a beverage container deposit fee, creating a recycling fund, and for other related purposes.
 - Passed in October 2006.
 - Places responsibility for differing aspects of the national beverage container recycling program on two Ministries of the National Government, the <u>Ministry of Public Infrastructure</u>, <u>Industries and Commerce (MPIIC)</u>, and the <u>Ministry of Finance (MOF)</u>.
 - These two Ministries shall develop a Beverage Container Recycling Regulations.
 - Basic Concept: Importers of Deposit Beverage Container shall pay a deposit fee of \$0.10 per container to the Ministry of Finance.
 - Deposit Beverage Container means the individual, separate, sealed glass, polyethylene terephthalte, high density polyethylene, or metal container less than or equal to 32 fl.oz, used for containing, at the time of sale to the consumer, a deposit beverage intended for use or consumption in the Republic.

Law and Regulations (continued)

- The Deposit Fee of \$0.10 shall split between the program participants as follows:
 - \$0.05 to the consumers
 - \$0.025 maximum to the redemption center(s)
 - \$0.025 minimum retained by the government as the recycling fund.

Positive Impacts of Deposit Fee

Yearly DBC Report Apr. 2011 - Sept. 2013

Year	No. of DBC	\$0.10 DBC Fee	25% Recycling Fun	d
2011	10,353,738	\$ 1,035,373.80	\$ 258,84	3.45
2012	14,843,166	\$ 1,484,316.60	\$ 371,079	9.15
2013		\$ 1,131,197.90	\$ 282,79	9.48
Grand Total		\$ 3,650,888.30	\$ 912,72	



No. Of Redeemed \$0.05 Payment		\$0.025/container for Redemption Center		
34,290,628	\$ 1,714,531.40	\$ 857,265.70		

Rate of Redeemed Containers %:

94%

Estimated amount of export:

Aluminum (kg)	PET Bottle (kg)	Metal (kg)	Total (kg)
311,793	118,785	15,689	446,267



Challenges Faced

- RPPL No. 7-24: Passed in October 2006.
 - And it took five (5) years to start implementation.
 - Many agencies involved did not have the capacity to start such as, SWM-National, SWM-KSG, Customs Office.
 - And review and approval of regulations by the leadership was longer than expected.
- How to deal with tetra-packs and army-packs.
 - Did not know how to recycle them. Did not want to redeem them. However, these items fall under the definition of deposit beverage container so the fee applies.
 - So, the AG's Office told us to follow the law and redeem them.
- Accuracy of counts at the Redemption Center
 - Manual counting of containers were inaccurate sometimes.
- Old containers eating up the fund.
 - People were saving their containers until the opening of the redemption center.
- Monitoring System
 - Poor information sharing between MOF and MPIIC

Exporting

- Partnership with Local Recycling Companies
 - MPIIC decided to contract out the exporting of redeemed containers to a private recycling companies for the following reasons:
 - Recycling companies already exist in Palau
 - Experience in exporting recyclable materials
 - Have the capacity in terms of tools, equipments, facilities and personnel.
 - Most importantly, this program should support private companies and promote the 3R concept.

The Contractor

- The Contractor shall perform the following services:
 - Buy redeemed containers from the National Government.
 - Be responsible for picking up compressed and redeemed containers from the Redemption Center at their own expense.
 - Ship out of Palau compressed and redeemed containers (aluminum, plastics, and metals)
 within six (6) months after pick up from Redemption Center at its own expense.

Improvement Plans

- Amend the law to include all sizes of beverage container. Existing law only calls for 32 oz. and lower.
- Existing law exempt milk and dairy derived products. Need to include them
 as there are many milk products in aluminum/ metal cans and glass bottles.
- Need to revise the Beverage Container Recycling Regulations to fit the needs of the operation of the Redemption Center and the overall recycling program.
- Need to create a better monitoring system for the import- redeemed- export amount of beverage containers to monitor the amount of import vs. export so that we can understand the effectiveness of the program and make improvements as necessary.

