#### Sixth Regional 3R Forum in Asia and the Pacific

"3R as an Economic Industry - Next Generation 3R Solutions for a Resource Efficient Society and Sustainable Tourism Development in Asia and the Pacific" Malé, Maldives, 17-19 August 2015

# **Country Report**

(Draft)

### <Solomon Islands>

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

# Country 3R Progress Report

Name of the Country: SOLOMON ISLANDS

Name, Designation and Organization Respondent: Ministry of Environment, Climate Change, Disaster Management and Meteorology

Other Ministries, Organizations, Agencies contributing to Country Report:

Timeline of Submission: 17 JULY 2015 (Email: 3R@uncrd.or.jp)

<u>Progress and achievements towards implementation of the Ha Noi 3R Declaration</u> <u>-Sustainable 3R Goals for Asia and the Pacific (2013-2023)-</u>

With the objective of demonstrating renewed interest and commitment of Asia-Pacific countries towards realizing a resource efficient society, the Fourth Regional 3R Forum in Asia-Pacific in 2013 adopted the good-will and legally non-binding "*Ha Noi 3R Declaration – Sustainable 3R Goals for Asia and the Pacific 2013-23.*" The objective of the Country Reporting is to share among international community various initiatives launched and efforts made (such as new policy instruments, legislations, regulations, institutional arrangements, investments or financing, technological innovation or intervention, partnership mechanisms, such as PPPs, etc.) by the member countries of the Forum in addressing each of the underlined goals of the Ha Noi 3R Declaration. This would not only help the member countries to learn various 3R best practices in place across the region, but it would also help bi-lateral and multi-lateral development agencies, donors, development banks in assessing the sustainable needs and challenges to better devise their existing as well as future capacity building programmes and technical assistance in the areas of 3Rs and sustainable waste management.

We request you to kindly fill in the below table as much as possible with relevant data/information. If additional spaces are required, separate sheets could be attached.

Thank you very much for your kind cooperation.

Secretariat of the Regional 3R Forum in Asia and the Pacific United Nations Centre for Regional Development (UNCRD) Email: 3R@uncrd.or.jp

**Goal 1** Significant **reduction** in the quantity of **municipal solid waste** generated, by instituting policies, programmes, and projects at national and local levels, encouraging both producers and consumers to reduce the waste through greening production, greening lifestyle, and sustainable consumption.

Q-1 What specific 3R policies, programmes and projects, are implemented to reduce the quantity of municipal solid waste?

#### Policies

• National Solid Waste Management Strategy

#### Programmes

- Solid Waste Management Workshops and Waste Characterization Studies
- Mataniko Clean Up and Rehabilitation Program

#### Projects

• Japanese Technical Cooperation Project for Promotion of Regional Initiative on Solid Waste Management in the Pacific Island Countries (JPRISM Project)

**Q-2** What is the level of participation of households in "source" segregation of municipal waste streams? (Please check the appropriate box)

- $\Box$  Very High (> 90%)
- □ High (>70%)
- □ Average (50-~70%)
- $\Box$  Low or not satisfactory (< 50%)

 $\boxtimes$  Does not exist

Q-3 Total annual government expenditure per capita (US\$ per capita) in municipal solid waste management in 2013-2014

Challenges (policy/ institutional/ technological/ financial) faced in implementation:

- o Limited Resources (Budget, Human Resource, Infrastructure)
- o Behavioral/Attitude problems
- o Limited Technical knowledge on Waste management particularly in the provinces
- Limited Awareness
- Lack of Implementation of regulatory frameworks
- Lack of Incentives for companies/industries who promote 3R practices

Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant

- Eco-School School Program in Honiara
- Clean School Program in Gizo
- Eco-Bag: Alternative for Plastic Bags Honiara
- o Panatina Valley Community Waste Management Initiative
- o National Solid Waste Management Strategy and Action Plan 2009-2014
- Honiara Litter Ordinance
- o Solomon Islands Climate Change Policy 2012-2017
- National Development Strategy 2011-2020

I. 3R Goals in Urban/Industrial Areas (3Rs in municipal solid waste)
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**Goal 1** Significant reduction in the quantity of municipal solid waste generated, by instituting policies, programmes, and projects at national and local levels, encouraging both producers and consumers to reduce the waste through greening production, greening lifestyle, and sustainable consumption.

Important policies/programmes/projects/master plans the government plans to undertake within next five years (2015~2020)

- Ranadi and Gizo Dumpsite Rehabilitation Plans
- National Waste Management and Pollution Control Strategy (currently being developed)

*Is this Goal relevant for your country*? ⊠ Highly □ Partially □ Not at all

I. 3R Goals in Urban/Industrial Areas (3Rs in municipal solid waste)
<b>Goal 2</b> Full-scale utilization of the organic component of municipal waste, including food waste, as a valuable resource, thereby achieving multiple benefits such as the reduction of waste flows to final disposal sites, reduction of GHG emission, improvement in resource efficiency, energy recovery, and employment creation.
Q-1 Does the central government have policies or support to utilize or reduce the organic waste such as composting, energy recovery and improving efficiency in food processing? Yes – National Solid Waste Management Strategy and Action Plan 2009-2014
<ul> <li>Q-2 What is happening to country's organic waste? (Please check the appropriate box)</li> <li>⊠ mostly landfilled</li> <li>□ mostly incinerated</li> <li>□ both landfilled and incinerated</li> <li>□ mostly open dumped or open burned</li> </ul>
<ul> <li>Challenges (policy/ institutional/ technological/ financial) faced in implementation:         <ul> <li>Limited technical capacity and knowledge in composting practises</li> <li>Lack of regulatory frameworks</li> <li>Organic waste makes up more than 50% of the domestic and commercial waste composition however there is limited or no composting of organic waste</li> </ul> </li> </ul>
<ul> <li>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant         <ul> <li>Panatina Valley Community Waste Management Initiative</li> <li>Eco-school pilot project in selected schools</li> </ul> </li> </ul>
Important policies/programmes/projects/master plans the government plans to undertake within next five years (2015~2020)oNational Waste Management and Pollution Control Strategy (currently being developed)oEducation and Awareness programs on waste minimization and 3R practises
<i>Is this Goal relevant for your country</i> ? I Highly Partially Not at all

#### I. 3R Goals in Urban/Industrial Areas (3Rs in municipal solid waste)

**Goal 3** Achieve significant **increase in recycling rate** of recyclables (e.g., plastic, paper, metal, etc.), by introducing policies and measures, and by setting up financial mechanisms and institutional frameworks involving relevant stakeholders (e.g., producers, consumers, recycling industry, users of recycled materials, etc.) and development of modern recycling industry.

#### Voluntary Progress/Achievements/Initiatives in Implementing Ha Noi 3R Declaration (2013~2023)

#### I. 3R Goals in Urban/Industrial Areas (3Rs in municipal solid waste)

Goal 3 Achieve significant increase in recycling rate of recyclables (e.g., plastic, paper, metal, etc.), by introducing policies and measures, and by setting up financial mechanisms and institutional frameworks involving relevant stakeholders (e.g., producers, consumers, recycling industry, users of recycled materials, etc.) and development of modern recycling industry.

*Q-1 What is the recycling rate of various recyclables?* (Please check the appropriate cell & add more waste streams as relevant for the country)

Rate	Very High	High	Average	Poor	Recycling	Definition
	(>90%)	(>70%)	(50-~60%)	(<50%)	does not	of recycling
Туре					exist	rate*
Paper					$\checkmark$	
Plastic					$\checkmark$	
Metal				$\checkmark$		
Construction						
waste						
e-waste					$\checkmark$	
Aluminum				$\checkmark$		
Cans						
others				$\checkmark$		

\*Note: Please specify in the cell which of the following definitions(ie., 1 or 2 or 3) is followed for recycling rate Definition 1: (collected recyclable waste)/(estimated generation of waste)

Definition 2: (volume of utilized recyclable waste)/(volume of raw material)

Definition 3: (volume of utilized recyclable waste)/(volume of collected waste for recycling)

## Q-2 What specific policies are introduced at local and national level for prevention or reduction of waste streams – paper, plastic, metal, construction waste, e-waste?

There are no specific policies on recycling however the Environment Act 1998 is currently being reviewed and this will be considered to be incorporated into the new Act and also into the new Waste Management and Pollution Control Strategy.

#### Q-3 What is the rate of resource recovery from various waste streams?

Rate	Very High	High	Average	Poor	Recycling
Туре	(>90%)	(>70%)	(50-~60%)	(<50%)	does not exist
Paper					$\checkmark$
Plastic					$\checkmark$
Metal				$\checkmark$	
Construction					$\checkmark$
waste					
e-waste					$\checkmark$

(Please check the appropriate cell & add more waste streams as relevant for the country)

#### Q-4 What is the level of existence of resource recovery facilities/infrastructures in cities?

Level	Every Major	Few Major	Does not	Supportive	No supportive
	City	Cities only	exist	policy or	policy or
Туре				programmes	programmes
				exists	
Paper			$\checkmark$		
Plastic			$\checkmark$		
Metal			$\checkmark$		
Construction			$\checkmark$		
waste					
e-waste			$\checkmark$		

Voluntary Progress/Achievements/Initiatives in Implementing Ha Noi 3R Declaration (2013~2023)

I. 3R Goals in Urban/Industrial Areas (3Rs in municipal solid waste)

Goal 3 Achieve significant increase in recycling rate of recyclables (e.g., plastic, paper, metal, etc.), by introducing policies and measures, and by setting up financial mechanisms and institutional frameworks involving relevant stakeholders (e.g., producers, consumers, recycling industry, users of recycled materials, etc.) and development of modern recycling industry.

Challenges (policy/institutional/technological/financial) faced in implementation:

• There are no specific policies in place to support or promote recycling or resource recovery

o Lack of technology and infrastructure for resource recovery

o Lack of or Limited Data on the recycling rate or recycle exports

Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant None

Important policies/programmes/projects/master plans the government plans to undertake within next five years (2015~2020)

• National Waste Management and Pollution Control Strategy (currently being developed)

*Is this Goal relevant for your country*? ⊠Highly

□ Partially |

 $\Box$  Not at all

I. 3R Goal	s in Urban/Industrial Areas (3Rs in municipal solid waste)
Goal 4	Build <b>sustainable cities /green cities</b> by encouraging " <b>zero waste</b> " through sound policies, strategies, institutional mechanisms, and multi - stakeholder partnerships (giving specific importance to private sector involvement) with a primary goal of <b>waste minimization</b>
Q-1 Wha	t specific waste management policies and programmes are introduced to encourage
private s	ector participation in municipal waste management?
0 N	ational Solid Waste Management Strategy and Action Plan (2009-2014)
business	at are the major waste management areas that have strong involvement of private and sector? (Please check appropriate boxes and add other areas if not listed below) collection
□ resour	ce recovery
🗵 waste	recycling
$\square$ waste	to energy, composting, etc.
□ PPP p	rojects in waste sector
o L o N	<b>tes (policy/ institutional/ technological/ financial) faced in implementation:</b> imited information sharing between government and private sector to specific policies to support such initiatives undertaken by the private sector ack of incentives for small scale recycling companies
-	s of pilot projects, master plans and/or policies developed or under development – vebsites where relevant one
within n	at policies/programmes/projects/master plans the government plans to undertake ext five years (2015~2020) fational Waste Management and Pollution Control Strategy (currently being developed)
Is this G	<i>oal relevant for your country</i> ? I Highly Partially I Not at all

I. 3R Goals	s in Urban/Industrial Areas (3Rs in Industrial waste)	
Goal 5	Encourage the <b>private sector</b> , including small - and medium - sized enterpris (SMEs) to implement measures to increase <b>resource efficiency and productivit</b> creation of decent work and to improve environmentally-friendly practices throug applying environmental standards, clean technologies, and cleaner production.	y,
resource e	t are the major clean technology related policies aiming to increase energy an efficiency of SMEs? blomon Islands National Climate Change Policy 2012-2017	ıd
capacity of	t are the capacity building programmes currently in place to build the technic of SMEs in 3R areas? To Capacity building programs currently being implemented	al
Challenge	es (policy/ institutional/ technological/ financial) faced in implementation:	
	s of pilot projects, master plans and/or policies developed or under development ebsites where relevant	_
-	t policies/programmes/projects/master plans the government plans to undertain xt five years (2015~2020)	ke
Is this Go	al relevant for your country? I Highly I Partially I Not at all	

I. 3R Goals i	in Urban/Industrial Areas (3Rs in Industrial waste)
Goal 6	Promote the greening of the value chain by encouraging industries and associated
	suppliers and vendors in socially responsible and inclusive ways.
~	percent of companies and industries have introduced green accounting and
-	environmental performance evaluation (Ref: ISO 14000)?
□ Very Hi	gh (> 90%)
$\Box$ High (>7	70%)
□ Average	e (50-~70%)
⊠ Low or	not satisfactory (< 50%)
□ None	
	percent of companies and industries have introduced social accounting (Ref: SA onsultation with their workers?
🗆 Very Hi	gh (> 90%)
□ High (>7	70%)
□ Average	e (50-~70%)
-	not satisfactory (< 50%)
□ None	
specific po chain?	government have a programme for promoting greening of the value chain? What Dicies, programmes and incentives are introduced to promote greening of value
o NO	
0	s (policy/ institutional/ technological/ financial) faced in implementation:
• N/A	of pilot projects, master plans and/or policies developed or under development –
-	bsites where relevant
-	policies/programmes/projects/master plans the government plans to undertake t five years (2015~2020)
	tional Waste Management and Pollution Control Strategy (currently being developed)
Is this Goa	al relevant for your country? I Highly Partially I Not at all

I. 3R Goals in Urban/Industrial Areas (3Rs in Industrial waste)

**Goal 7** Promote **industrial symbiosis** (i.e., recycling of waste from one industry as a resource for another), by providing relevant incentives and support.

Q-1 Does your government have policies and programmes promoting industrial symbiosis in industrial parks or zones? What specific policies, programmes and incentives are introduced to promote industrial symbiosis?

o NO

Q-2 How many eco-industrial parks or zones or the like, which is supported by the government, are there in the country?

o NONE

Challenges (policy/institutional/technological/financial) faced in implementation: • N/A

Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant

o N/A

Important policies/programmes/projects/master plans the government plans to undertake within next five years (2015~2020)

o NONE

*Is this Goal relevant for your country*? Highly Partially Not at all

I. 3R Goals in Urban/Industrial Areas (3Rs in Industrial waste)
<b>Goal 8</b> Build <b>local capacity</b> of both current and future practitioners, to enable the private sector (including SMEs) to obtain the necessary knowledge and technical skills to foster green industry and create decent, productive work.
Q-1 How many dedicated training facilities or centers are there to cater the needs of SMEs and practitioners in the areas of cleaner production, resource efficiency and environment-friendly technologies, etc.? • NONE
Q-2 Please provide an indicative figure on annual government (US \$) expenditure on building technical capacity of SMEs and practitioners in the areas of cleaner production, resource efficiency and environment-friendly technologies, etc.?
Challenges (policy/institutional/technological/financial) faced in implementation: o N/A
Examples of pilot projects, master plans and/or policies developed or under development - include websites where relevant ° N/A
Important policies/programmes/projects/master plans the government plans to undertake within next five years (2015~2020) • NONE
<i>Is this Goal relevant for your country</i> ?  Highly  Partially  Not at all

0-1 I	towards sound management of such waste. <i>s there a systematic classification of hazardous waste? If so, please attach.</i>
$\square$ Ye	
~	What specific rules and regulations are introduced to separate, store, treat, transportatio isposal of hazardous waste?
0	
Chall 0	enges (policy/ institutional/ technological/ financial) faced in implementation: Implementation of the conventions is a challenge due to the limited resources in countr and also lack of regulatory frameworks to implement these convetions
	ples of pilot projects, master plans and/or policies developed or under development le websites where relevant
mem	Review and update of the national implementation plan for the Stockholm Conventio on Persistent Organic Pollutants (POPs) in Solomon Islands
0	
0	GEF-PAS POPs Release Reduction Project
o Impor	GEF-PAS POPs Release Reduction Project rtant policies/programmes/projects/master plans the government plans to undertaken next five years (2015~2020)

II. 3R Goals in Rural Areas
Goal 10Reduce losses in the overall food supply chain (production, post harvesting and storage, processing and packaging, distribution), leading to reduction of waste while increasing the quantity and improving the quality of products reaching consumers.Q-1 What specific policies, rules and regulations, including awareness programmes, are introduced to minimize food or crop waste?
<ul> <li>NONE</li> <li>Q-2 Is there any continuing education services or awareness programmes for the farmers or agricultural marketing associations on reduction of crop wastes for increased food security?</li> </ul>
Q-3 What is the average wastage of crops or agricultural produce between farms to consumers, if there is a study in your country? □ Very High (> 20~ 30%)
<ul> <li>□ High (10~20%)</li> <li>□ Medium (5~10%)</li> <li>□ Low (&lt; 5%)</li> <li>□ Negligible (&lt;1%)</li> </ul>
Challenges (policy/institutional/technological/financial) faced in implementation:
Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant
Important policies/programmes/projects/master plans the government plans to undertake within next five years (2015~2020)
<i>Is this Goal relevant for your country</i> ? □ Highly

II. 3R Goal	s in Rural Areas
~	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. much amount of $-(a)$ agricultural biomass waste and (b) livestock waste are grossly per annum?
appropriat □ as seco □ biogas/ □ compos ⊠ mostly ⊠ mostly <b>Q-3 What</b> of agricul	are most of the agricultural biomass wastes utilized or treated? (Please <u>check all</u> <u>e boxes</u> ) ndary raw material input (for paper, bioplastic, furniture, etc.) electricity generation sts/fertilizers left unutilized or open dumped open burned specific policies, guidelines, and technologies are introduced for efficient utilization tural biomass waste and livestock waste as a secondary material inputs towards full comic benefits? Relevant websites could be shared for additional information.
Challenge	es (policy/ institutional/ technological/ financial) faced in implementation:
-	of pilot projects, master plans and/or policies developed or under development – ebsites where relevant
-	t policies/programmes/projects/master plans the government plans to undertake xt five years (2015~2020)
Is this Go	al relevant for your country? 🗵 Highly 🗆 Partially 🗆 Not at all

	<b>Examples tics</b> in the marine and coastal environment.
~ 1 (	fic policies and regulations are in place to address the issue of plastic wastes narine environment?
No specific po provisions for th	licies or regulations the National Solid Waste Management strategy made
-	nt issue of plastic waste is considered in integrated coastal zone management re check the appropriate box)
□ Very much	$\boxtimes$ Somehow $\square$ Not at all
and marine spe	ovide a list of centre of excellences or dedicated scientific and research bablished to address the impacts of micro-plastic participles (<5 mm) on coastance cies? If yes, please provide relevant websites.
and marine spec	ablished to address the impacts of micro-plastic participles (<5 mm) on coastain cies? If yes, please provide relevant websites. http://institutional/technological/financial)faced in implementation:
and marine spec N/A Challenges (pol o Behavio	ablished to address the impacts of micro-plastic participles (<5 mm) on coastain cies? If yes, please provide relevant websites. http://institutional/technological/financial)faced in implementation:
and marine spec N/A Challenges (pol o Behavio o Limited Examples of pi	Tablished to address the impacts of micro-plastic participles (<5 mm) on coastancies? If yes, please provide relevant websites. The first interval of the provide relevant websites in the provide re
and marine spect N/A Challenges (pol O Behavio Limited Examples of pi include websited	Tablished to address the impacts of micro-plastic participles (<5 mm) on coastancies? If yes, please provide relevant websites. The project of the general community for the general community for the general community for the general community for policies developed or under development - as where relevant for the general community for the general commun
and marine spect N/A Challenges (pol O Behavio Limited Examples of pi include websites O Eco-bag	Tablished to address the impacts of micro-plastic participles (<5 mm) on coastancies? If yes, please provide relevant websites. The first interval of the provide relevant websites in the provide re
and marine spect N/A Challenges (pol	<pre>tablished to address the impacts of micro-plastic participles (&lt;5 mm) on coastal cies? If yes, please provide relevant websites.</pre>
and marine spect N/A Challenges (pol	ablished to address the impacts of micro-plastic participles (<5 mm) on coastal cies? If yes, please provide relevant websites. ficy/ institutional/ technological/ financial) faced in implementation: oral d support from the general community lot projects, master plans and/or policies developed or under development – s where relevant : Alternative for Plastic Bags

*Is this Goal relevant for your country*? X Highly Partially Not at all

#### III. 3R Goals for New and Emerging Wastes

**Goal 13** Ensure **environmentally-sound management of e-waste** at all stages, including collection, storage, transportation, recovery, recycling, treatment, and disposal with appropriate consideration for working conditions, including **health and safety aspects** of those involved.

**Q-1** How do people usually recycle their e-waste (waste electrical and electronic equipment)? (Please check the appropriate box in order of priority by filling in numbers like 1, 2, 3, 4,....etc., for example 1 => Highest priority)

Check if	Number in	
applicable	priority order	
		Take to recycling center / resource recovery facilities
Х	1	Take to landfill
		Take to the retailer
		Take to local charity for re-use
		Take to second-hand shop for re-use
		Ship back to the manufacturer
		Ship back to the manufacturer
		Recycle in another country
		Do not know how people dispose

Q-2 What specific policies and regulations are in place to ensure health and safety aspects of those involved in e-waste management (handling/sorting/resource recovery/recycling)? NONE

#### Q-3 How much amount of e-waste is generated and recycled per year?

Type of e-waste	Estimated total volume generated (ton/year)	% of collected by permitted recycler	% of volume recycled in collected
Television	(ton/year)		
Computer			
Mobile phone			
Refrigerators			
Washing machines			
Air conditioners			
Others			

Challenges (policy/institutional/technological/financial) faced in implementation:

Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant

Important policies/programmes/projects/master plans the government plans to undertake within next five years (2015~2020)

*Is this Goal relevant for your country?* ⊠ Highly □ Partially

□ Not at all

III. 3R Goals for New and Emerging Wastes

**Goal 14** Effective enforcement of established mechanisms for preventing illegal and inappropriate export and import of waste, including transit trade, especially of hazardous waste and e-waste.

Q-1 What specific policies and regulations are introduced to prevent illegal import and export of e-waste?

• Customs Regulations

Q-2 Do you have required number of well-trained custom or other officials (for airport. sea-port, land border control, etc.) to track illegal export and import of e-waste? □ Yes ⊠ No

Challenges (policy/institutional/technological/financial) faced in implementation:

Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant

Important policies/programmes/projects/master plans the government plans to undertake within next five years (2015~2020)

Is this Goal relevant for your country? ⊠Highly

 $\Box$  Partially

 $\Box$  Not at all

III. 3R Goal	s for New and Emerging Wastes	
Goal 15	Progressive implementation of "extended producer responsibility (EPR)" encouraging producers, importers, and retailers and other relevant stakeholders fulfill their responsibilities for collecting, recycling, and disposal of new a emerging waste streams, in particular e-waste.	to
~	specific Extended Product Responsibility (EPR) policies are enacted or introduce	ed?
(If there is	none, then skip $Q$ -2 below)	
o NC	DNE	
Q-2 Please	e provide a list of products and product groups targeted by EPR nationally?	
o NC	DNE	
Challenge	s (policy/ institutional/ technological/ financial) faced in implementation:	
-	of pilot projects, master plans and/or policies developed or under developmen ebsites where relevant	<u>t</u> –
-	policies/programmes/projects/master plans the government plans to undertect five years (2015~2020)	ıke
Is this God	al relevant for your country? I Highly I Partially I Not at al	1

III. 3R Goal	s for New and Emerging Wastes
Goal 16	Promote the 3R concept in health-care waste management.
	specific policies and regulations are in place for healthcare waste management? alth Care Waste Policy
Q-2 What (US\$ per y	is the total annual government expenditure towards healthcare waste management year)?
	ne agencies or authorities responsible for healthcare waste management. nistry of Health and Medical Services
Q-4 What	is the common practice for disposal of healthcare wastes?
(Please che	eck the appropriate box and add if any other practice followed)
🗵 open bi	Imping (untreated) Irning (untreated) y landfilling (untreated)
□ sanitary	landfilling (treated)
⊠Low co	st small scale incineration (do not meet air emission standards)
•••	controlled air incineration (dedicated/modern medical waste incinerators)
$\Box$ Other m	nethods (please specify names: burying )
o La	s (policy/ institutional/ technological/ financial) faced in implementation: ck of or limited incinerators gh Operations costs
-	of pilot projects, master plans and/or policies developed or under development – ebsites where relevant
_	policies/programmes/projects/master plans the government plans to undertake of five years (2015~2020)
Is this God	al relevant for your country? I Highly I Partially I Not at all

**Goal 17** Improve **resource efficiency and resource productivity** by greening jobs nation - wide in all economic and development sectors.

Q-1 What specific policies and guidelines are introduced for product standard (towards quality/durability, environment/eco-friendliness, labour standard)?

NONE

Q-2 What specific energy efficiency schemes are introduced for production, manufacturing and service sector?

Q-3 What specific policies are introduced to create green jobs in product and waste sector?

Challenges (policy/institutional/technological/financial) faced in implementation:

*Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant* 

Important policies/programmes/projects/master plans the government plans to undertake within next five years (2015~2020)

*Is this Goal relevant for your country*? Highly Partially Not at all

Goal 18 Maximize co-benefits from waste management technologies for local air, water, oceans, and soil pollution and global climate change.

Q-1 Please share how climate mitigation is addressed in waste management policies and programmes for co-benefits?

Challenges (policy/institutional/technological/financial) faced in implementation:

Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant

Important policies/programmes/projects/master plans the government plans to undertake within next five years (2015~2020)

*Is this Goal relevant for your country*? ⊠ Highly □ Partially □ Not at all

Goal 19 Enhance national and local knowledge base and research network on the 3Rs and resource efficiency, through facilitating effective and dynamic linkages among all stakeholders, including governments, municipalities, the private sector, and scientific communities.

Q-1 What specific policies are introduced to encourage triangular cooperation between government, scientific & research institutions and private/business sector in 3R areas? • NONE

Q-2 Please share the number and list of dedicated scientific institution, or coordinating centers in the areas of 3Rs (e.g., waste minimization technologies, eco-products, cleaner production, recycling technologies, industrial symbiosis, resource efficiency, etc.)?

Challenges (policy/ institutional/ technological/ financial) faced in implementation:

Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant

Important policies/programmes/projects/master plans the government plans to undertake within next five years (2015~2020)

*Is this Goal relevant for your country*? Highly Partially Not at all

IV. 3R Goa	ls for Cross-cu	tting Issues			
Goal 20	private sec consumptio	tor in raising p	ublic awarenes	s and advancing e efficiency, lead	ts, civil society, and the g the 3Rs, sustainable ing to the behavioural
formulate dialogue? ⊠ NGO ⊠ Local □ Others Q-2 What	<i>central gove</i> <i>3R-related</i> (Please <u>check</u> Government s, please add/s	rnment have offi policies and reg all applicable)	cial dialogue w gulations? Wh ⊠ Ind ⊠ Ac ) ement in 3 <b>R</b> , su	<i>stainable produc</i>	tion and consumption,
□ Very ł		Moderate			□ Almost Negligible
	n and consum	el of citizens' a nption and resou ⊠ Moderate		Please check the	<i>ts of 3R, sustainable</i> appropriate box) □ Almost Negligible
o We	eak coordinat	<i>titutional/ techno</i> ion between stake e to promote educ	eholders	, <b>,</b>	lementation:
include w o JP o Ma Important	ebsites where RISM Project ataniko Clean	relevant Up and Rehabili pgrammes/project	tation Program	-	• under development – nt plans to undertake
Is this Go	al relevant fo	r your country?	⊠ Highly	□ Partially	□ Not at all

IV. 3R Goa	ls for Cross-cutting Issues
Goal 21	<b>Integrate the 3Rs</b> in formal education at primary, secondary, and tertiary levels as well as non-formal education such as community learning and development, in accordance with Education for Sustainable Development.
	de a list of formal programmes that addresses areas of 3R and resource efficiency as e academic curriculum?
ha	a is not part of the formal education curriculum at the moment, however the concept s been introduced to teachers and some teachers are currently integrating this concept to their current teaching materials
~	se provide an overview of the Government policies and programmes to promote ty learning and development (non-formal education) on 3R and sustainable waste ent.
Q-3 Pleas	e provide a list of academic and research institutions offering PhD programmes in
the areas	of 3Rs and resource efficiency?
Q-4 Pleas have inte	of 3Rs and resource efficiency? See provide a list of management institutions (offering BBA / MBA courses) which
Q-4 Pleas have inte curriculu	of 3Rs and resource efficiency? See provide a list of management institutions (offering BBA / MBA courses) which segrated resource efficiency and life cycle assessment (LCA) as part of their
Q-4 Pleas have inte curriculus Challenge Examples	of 3Rs and resource efficiency? See provide a list of management institutions (offering BBA / MBA courses) which egrated resource efficiency and life cycle assessment (LCA) as part of their m or course development? es (policy/ institutional/ technological/ financial) faced in implementation:
Q-4 Pleas have inte curriculus Challenge Examples include w	of 3Rs and resource efficiency? See provide a list of management institutions (offering BBA / MBA courses) which begrated resource efficiency and life cycle assessment (LCA) as part of their m or course development? es (policy/ institutional/ technological/ financial) faced in implementation: f of pilot projects, master plans and/or policies developed or under development -

W 2D Cools for Cr	and autting Transa
IV. 3R Goals for Cr	oss-cutting issues
and a Fishe Energ Minis and	<b>rate the 3R concept</b> in relevant policies and programmes, of key ministries gencies such as Ministry of Environment, Ministry of Agriculture, Forestry and ries, Ministry of Industry, Ministry of Trade and Commerce, Ministry of gy, Ministry of Water Resources, Ministry of Transport, Ministry of Health, stry of Construction, Ministry of Finance, Ministry of Labour, Ministry of Land Urban Development, Ministry of Education, and other relevant ministries rds transitioning to a resource-efficient and zero waste society.
	the name of the Ministries and major Government Agencies which are
	nd resource efficiency as part of their policy, planning and developmental
	and national level.
<ul> <li>Ministry of Ministry of Ministry of Ministry of Honiara O</li> <li>Western I</li> <li>Buala Pro</li> </ul>	of Environment, Climate Change, Disaster Management and Meteorology of Health and Medical Services City Council Provincial Government ovincial Government Provincial Government
resource efficient         ⊠ Official regult         ⊠ Official ad-ho         □ Informal meet	of coordination mechanism are there among ministries and agencies for a t economic development? ar coordination meeting among ministries and agencies or coordination meeting among ministries and agencies ting among ministries and agencies mation mechanisms (please add/specify)
	cy/ institutional/ technological/ financial) faced in implementation:
<ul> <li>Limited p</li> </ul>	articipation from all stakeholders nagement is not a priority
Examples of pill include websites	ot projects, master plans and/or policies developed or under development – where relevant
	ies/programmes/projects/master plans the government plans to undertake years (2015~2020)

*Is this Goal relevant for your country*? ⊠Highly □ Partially

□ Not at all

IV. 3R Goa	ls for Cross-cutting Issues			
Goal 23	Promote <b>green and socially</b> and expanding 3R industrie products.			
Q-1 Who procurem	ut specific policies are intr ent?	roduced to pro	omote green and	social responsible
NONE				
Q-2 Pleas	e provide details of eco-labell	ing schemes of y	your country.	
Q-3 Pleas	e provide a list of criteria for a	eco-labeled prod	lucts and services in	n your country.
~	e provide the list of Ministries curement policy.	s and major Go	vernment Agencies	which have adopted
Q-5 What	% of municipalities have ado	pted the green p	procurement policy?	0
Challeng	es (policy/ institutional/ techno	ological/ financi	ial) faced in implem	eentation:
_	e of pilot projects, master pla ebsites where relevant	ns and/or polic	ies developed or u	nder development –
-	t policies/programmes/projec. xt five years (2015~2020)	ts/master plans	the government	plans to undertake

IV. 3R Goals for Cross-cutting Issues
Goal 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.
Q-1 Are there any government subsidy programmes that directly or indirectly favour unsustainable use of resources (raw materials, water, energy)? If so, please provide a list of such programmes along with the responsible Ministry or Agency administering and implementing it.
NO Challenges (policy/institutional/technological/financial) faced in implementation:
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>
Important policies/programmes/projects/master plans the government plans to undertake within next five years (2015~2020)
<i>Is this Goal relevant for your country</i> ?  Highly  Partially  Not at all

Goal 25	<b>Protect public health and ecosystems, including freshwater and marin</b> <b>resources by eliminating illegal</b> activities of open dumping, including dumping is the oceans, and controlling open burning in both urban and rural areas.
Q-1 Is v	vaste management a public health priority in your country?
0	YES
Q-2 Wh	at are the rules and regulations to prevent open dumping and open burning of waste
0	NONE
-	nk the five most important rivers in terms of water quality (BOD values) passin a major cities and urban areas?
	Mataniko River White River
Q-4 Wh water b	pat are the specific laws, rules and regulations in place to prevent littering in river an odies?
0	No specific regulations
Q-5 Wh	eat are the specific laws, rules and regulations in place to prevent marine littering?
	ages (policy/institutional/technological/financial) faced in implementation: Illegal dumping of waste
0	Weak enforcement of existing legal frameworks
	Limited awareness on the negative impacts poor waste management and the healtrisks associated with it.
Exampl	les of pilot projects, master plans and/or policies developed or under development websites where relevant

*Is this Goal relevant for your country*? Highly Partially Not at all

IV. 3R Go	als for Cross-cutting Issues			
Goal 26	Facilitate the international circ as remanufactured products as international and national laws to the reduction of negative en resources.	mutually agrees, especially the	eed by countries and ne Basel Conventio	d in accordance with on, which contributes
Q-1 Wha	t are major recycling industries i	in your countr	ry?	
o N	ONE			
Q-2 Plea	se specify the regulation on trans	sboundary mo	vement of hazardo	us waste.
	our government has restriction o azardous waste, please list it up.	n import of n	on-hazardous was	te or quality control
Q-4 Does	your government restrict import	t of remanufa	ctured goods?	
~	s your government regard reman ndhand goods?	ufactured goo	ods as secondhand	goods, and regulate
Challeng	es (policy/ institutional/ technolo	ogical/ financi	al) faced in implen	nentation:
-	s of pilot projects, master plans vebsites where relevant	and/or polic	ies developed or u	nder development -
	et policies/programmes/projects/ ext five years (2015~2020)	master plans	the government	plans to undertake
	oal relevant for your country?	⊠ Highly	□ Partially	□ Not at all

IV. 3R Goals for Cross-cutting	Issues					
	statistics of	on wastes and			announcement the state of wa	
Q-1 Please give an overvi				•	•	
and waste management by			appropriate	boxes. (Plea	se respond on b	ooth
"Data Availability" and Mo		,			<b>D</b>	7
Data Type	Data Availability			Monitorin	Monitoring Base	
	Good	Very limited	No data exist	Good	Not good	
Waste generation	Х				X	
Material flow		X			X	
Cyclical use			X		X	
Amount of final disposal		X			X	
Disposal to land			Х		Х	
Direct disposal to water			Х		Х	
Import of waste			Х		Х	
Export of waste	Х				X	
Total landfilled waste					X	
Import of recyclables			X		X	
Export of recyclables	Х				X	1
Hazardous waste generation (solid, liquid, sludge, etc.)			X		X	1
e-waste generation			X		X	]

(*Please add any other date type relevant to your country*)

Q-2 What are the current and planned government policies and programmes to strengthen data and information availability in waste sector?

Challenges (policy/institutional/technological/financial) faced in implementation:

*Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant* 

Important policies/programmes/projects/master plans the government plans to undertake within next five years (2015~2020)

*Is this Goal relevant for your country*? I Highly I Partially I Not at all

*Is this Goal relevant for your country*? Highly

⊠Partially

 $\Box$  Not at all

t are the government policies and programmes, including incentives, fo nergy programmes?
ergy programmes:
NE
s (policy/ institutional/ technological/ financial) faced in implementation:
of pilot projects, master plans and/or policies developed or under development bsites where relevant

**Goal 29** Promote overall regional cooperation and multi-stakeholder partnerships based on different levels of linkages such as government-to-government, municipality-to-municipality, industry-to-industry, (research) institute-to-institute, and NGO-to-NGO. Encourage technology transfer and technical and financial supports for 3Rs from developed countries to less developed countries.

Q-1 Please provide a list of on-going bilateral/multi-lateral technical cooperation in 3R areas?

• Nishinomiya City and Honiara City Council

Q-2 What actions are being taken to promote inter-municipal or regional cooperation in areas of waste exchanges, resource recovery, recycling, waste-to-energy and trade of recyclables?

Challenges (policy/institutional/technological/financial) faced in implementation:

Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant

• Learning and Ecological Activities Foundation for Children (LEAF Project) - Waste collection Improvement Project supported by LEAF

Important policies/programmes/projects/master plans the government plans to undertake within next five years (2015~2020)

*Is this Goal relevant for your country*? I Highly I Partially I Not at all

IV. 3R Goal	s for Cross-cutting Issues			
Goal 30	Pay special attention to issues and challenges faced by developing countries including SIDS in achieving sustainable development.			
Q-1 Pleas	e describe any past and on-going cooperation with SIDS (Small Island Developing			
States) con	untries in 3R areas.			
o JPI	RISM Project			
	e list 3 <b>R</b> related projects linked to climate change, biodiversity, disaster management inable tourism. (This is <u>to be reported by SIDS countries only</u> )			
Challenge	s (policy/institutional/technological/financial) faced in implementation:			
o Lir	nited or lack of infrastructure and other resources such as capacity and financial nited political will			
	eak enforcement of existing legal frameworks			
Examples	of pilot projects, master plans and/or policies developed or under development – ebsites where relevant			
Important policies/programmes/projects/master plans the government plans to undertake within next five years (2015~2020)				
Is this Go	al relevant for your country? 🗵 Highly 🗆 Partially 🗆 Not at all			

IV. 3R Goa	ls for Cross-cutting Issues			
Goal 31	Promote 3R + "Return" co "Return" where recycling i industries and limited scale of	s difficult due	to the absence of	available recycling
~	t specific policies, programme urn" concept? (This is <u>to be re</u>			emented to promote
Challeng	es (policy/ institutional/ techno	ological/ financ	ial) faced in implem	entation:
-	s of pilot projects, master pla ebsites where relevant	ns and/or polic	ies developed or u	nder development –
Important policies/programmes/projects/master plans the government plans to undertake within next five years (2015~2020)				
Is this Go	al relevant for your country?	🗵 Highly	□ Partially	□ Not at all

IV. 3R Goals for Cross-cu	tting Issues			
sector and	gradually impro	ove the working		the <b>informal waste</b> livelihood security, rkers.
<i>Q-1</i> What is the appro.	kimate market size	e (in US\$) of th	e informal waste se	ctor?
Q-2 Number of annua	l labor inspections	s in waste secto	r?	
Q-3 Is health insuranc	e a mandatory to	all informal wo	orkers in waste secto	or by law?
Q-4 What specific po engagement of childre	•		nisms are in place	e to prevent illegal
Q-5 Number of landfil	l sites accessible t	o register waste	e pickers?	
<b>Q-6</b> Average life span	of informal waste	workers?		
Q-7 Any government v	accination progra	ummes for info	rmal waste workers	?
<b>Q-8</b> Any public awar measures?	eness programme	es for informa	l waste workers on	n health and safety
Challenges (policy/ ins	titutional/ techno	logical/ financi	al) faced in implem	entation:
Examples of pilot pro include websites where	· · ·	ıs and/or polic	ies developed or u	nder development –
Important policies/pro next five years (2015~.		aster plans the	government plans	to undertake within
Is this Goal relevant fo	or your country?	⊠ Highly	□ Partially	□ Not at all

Sixth Regional 3R Forum in Asia and the Pacific, 17-19 August 2015, Male, Maldives

Goal 33 Promote 3Rs taking into account gender considerations.

Q-1 Please give a brief assessment on how the national, provincial and municipal governments incorporate gender considerations in waste reduction, reuse and recycle.

Challenges (policy/ institutional/ technological/ financial) faced in implementation:

Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant

Important policies/programmes/projects/master plans the government plans to undertake within next five years (2015~2020)

*Is this Goal relevant for your country*? Highly

 $\square$  Partially

 $\Box$  Not at all