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

"Achieving Clean Water, Clean Land and Clean Air through 3R and Resource Efficiency- A 21<sup>st</sup> Century Vision for Asia-pacific Communities" Indore, Madhya Pradesh, India, 9-12 April 2018

# **Country Report**

(Draft)

<Malaysia>

This country report was prepared by the Government of Malaysia as an input for the Eighth 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

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<u>Progress and achievements towards implementation of the Ha Noi 3R Declaration</u>
-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 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.

Voluntary Progress/Achievements/Initi	iatives i	n
Implementing Ha Noi 3R Declaration (	(2013~2	2023)

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

	ry Progress/Achievements/Initiatives enting Ha Noi 3R Declaration (2013~		MA	LAYSIA
1 3P G	oals in Urban/Industrial Areas (3Rs in muni	icipal solid was	sta)	
Goal 1		•		-
	instituting policies, programmes, as			
	both producers and consumers to greening lifestyle, and sustainable			oduction,
0-1 W	that specific 3R policies, programme	-		duce the
	y of municipal solid waste?	s una proje	cis, are implemented to rec	iuce ine
•	Program: Separation At Source for Ho	ouseholds (in	inlemented since 1st Septemb	er 2015)
	Awareness and Educational Program o		premented since 1 septemb	C1 2013)
	o talk and exhibition;	л эк		
	o recycling programmes at sch	ool/universit	ies:	
	o 3R programmes at residentia			
	o six programmes at residentia	i ureus, office	s, industry sector	
streams	hat is the level of participation of houses? (Please check the appropriate box)	eholds in "so	urce" segregation of municip	pal waste
•	y High (> 90%)			
_	h (>70%)			
✓ Ave	erage (50-~70%)			
$\square$ Low	or not satisfactory (< 50%)			
$\square$ Doe	es not exist			
Q-3 To	otal annual government expenditure	per capita (	US\$ per capita) in munici	pal solid
	management in 2014-2015		•	-
	Development Expenditure	Oper	rational Expenditure	
	For facility operation. (2015)	For operat	ional cost of solid waste	
	*(exchange rate RM1 = $0.24$ USD)		vaste collection services and	
		public clear	nsing. (2015)	
_	RM91,460,000 (USD 2,240,7061.61)		1,761,000,000 (USD	
			431,432,708.22)	
Challer	nges (policy/ institutional/ technologic		, , ,	
	Inadequate proper waste management			ties:
	Increasing cost in solid waste manager		a emperior to the waste racing	01007
	Lengthy and complicated legal procedu		e solid waste law.	
Examp	les of pilot projects, master plans an	d/or policies	developed or under develo	pment –
include	e websites where relevant			
Policies	s:			
	National Solid Waste Management Pol	-		
	National Strategic Plan For Food W	/aste Manag	ement in Industry, Commer	cial and
	Institution Sector			
_	ant policies/programmes/projects/mas next five years (2016~2021)	ster plans ti	he government plans to u	ndertake
2018-20	010			
	o 19 n Implementation of Separation At Sou:	rce (SAS) Dr	ogramma in the Industry Co.	nmoroial
	stitution (ICI) Premises in states adopt		-	mnercial
anu m	surveyion (101/11emises in states adopt	111g 11Ct 012 1	11 1114147 514	
	ng and Gazettement of Solid Waste ar auction Solid Waste and Business Solid		eansing Management Regula	ations on

**Highly** 

☐ Partially

Is this Goal relevant for your country?

☐ Not at all

•	Progress/Achievements/Initiatives in ting Ha Noi 3R Declaration (2013~2023)	MALAYSIA
p	ang 1111 1 (01 011 2 00111 1111011 (2 0 10 2 0 2 0 )	
I. 3R Goals	in Urban/Industrial Areas (3Rs in municipal solid v	waste)
Goal 2	Full-scale utilization of the organic component waste, as a valuable resource, thereby ac reduction of waste flows to final disposarimprovement in resource efficiency, energy resource.	hieving multiple benefits such as the al sites, reduction of GHG emission,
	the central government have policies or suppo	_
such as co	omposting, energy recovery and improving eff	iciency in food processing?
· ·	onal Solid Waste Management Policies (Revinagement in Malaysia must be managed accord	· · · · · · · · · · · · · · · · · · ·
<i>Q-2 What</i> <b>☑</b> mostly	is happening to country's organic waste? (Plandfilled	ease check the appropriate box)
1	incinerated	
•	ndfilled and incinerated	
	open dumped or open burned	
•	es (policy/ institutional/ technological/ financi	al) faced in implementation:
High cost	of open dump site upgrading and closure facilities require huge budget and often oppos	. Building new sanitary landfills and
-	of pilot projects, master plans and/or polic ebsites where relevant	ies developed or under development –
	Waste to Energy <a href="http://wte.kpkt.gov.my/">http://wte.kpkt.gov.my/</a>	
_	t policies/programmes/projects/master plans	the government plans to undertake

Highly

☐ Partially

 $\square$  Not at all

1) Integrated Waste Management

Is this Goal relevant for your country?

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

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
Type					exist	rate*
Paper		/				2
Plastic						3
Metal		/				3
Construction						3
waste						
e-waste	-	-	-	-	-	-
others	-	-	-	-	-	-

<sup>\*</sup>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?

- 1) Separation At Source; and
- 2) Promotion of 3R activities.

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

Rate	Very High	High	Average	Poor	Recycling
Type	(>90%)	(>70%)	(50-~60%)	(<50%)	does not exist
Paper	-	-	-	-	-
Plastic		/			
Metal	-	-	-	-	-
Construction					
waste					
e-waste	_	-	-	-	-

<sup>(</sup>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
Type				programmes	programmes
				exists	
Paper	-	-	-	-	-
Plastic	-	-	-	-	-
Metal	-	-	-	-	-
Construction					
waste					
e-waste	-	-	-	-	-

•	Progress/Achievements/Initiatives in ting Ha Noi 3R Declaration (2013~2023)	MALAYSIA
I. 3R Goal	s in Urban/Industrial Areas (3Rs in municipal solid v	waste)
Goal 3	Achieve significant <b>increase in recycling r</b> metal, etc.), by introducing policies and r mechanisms and institutional frameworks producers, consumers, recycling industry, development of modern recycling industry.	measures, and by setting up financial involving relevant stakeholders (e.g.,
Challeng	es (policy/ institutional/ technological/ financi	ial) faced in implementation:
High cost	t in building, maintenance and operation of a r	ecovery facilities. Relatively low cost on
virgin ma	aterials are widely available.	
Example	s of pilot projects, master plans and/or polic	ies developed or under development –
include w	vebsites where relevant	-
1. Se	eparation at Source for Households	
2. D	edicated collection for recyclables for household	ls
-	nt policies/programmes/projects/master plans ext five years (2016~2021)	the government plans to undertake
1. Se	eparation At Source For Industry, Commercial	and Institution (ICI)

Highly

 $\square$  Partially

Is this Goal relevant for your country?

☐ Not at all

Voluntary Progress/Achievements/Initiatives in Implementing Ha Noi 3R Declaration (2013~2023)		MALAYSIA
<b>F</b>		
I. 3R Goals	in Urban/Industrial Areas (3Rs in municipal solid v	waste)
Goal 4	Build sustainable cities /green cities by en	
	policies, strategies, institutional mechanism	
	(giving specific importance to private sector waste minimization	or involvement) with a primary goal of
Q-1 What	specific waste management policies and pro	ogrammes are introduced to encourage
private sec	ctor participation in municipal waste manage	ment?
Ohioativa	2 National Solid Wests Management Policie	og (Pavision) 2016, which is to achieve
	3 National Solid Waste Management Policie te management system through privatization o	
better was	te management system unough privatization o	1 sond waste management.
Q-2 What	are the major waste management areas that	have strong involvement of private and
business s	ector? (Please check appropriate boxes and ad	d other areas if not listed below)
waste c		
	e recovery	
waste re	ecycling	
□ waste to	o energy, composting, etc.	
	ojects in waste sector	
_	es (policy/ institutional/ technological/ financi	ial) faced in implementation:
High cost	of privatization of solid waste management	
Examples	of pilot projects, master plans and/or polic	ies developed or under development –
	ebsites where relevant	-
_	tization of solid waste collection in 7 states u	under Solid Waste and Public Cleansing
Managem	ent Act 2007 (Act 672)	
Important	policies/programmes/projects/master plans	the government plans to undertake
	xt five years (2016~2021)	
Expansion in Malays	n of Solid Waste and Public Cleansing Manage	ement Act 2007 (Act 672) to other states

**☑** Partially

Is this Goal relevant for your country?  $\Box$  Highly

 $\square$  Not at all

•	Progress/Achievements/Initiatives in ing Ha Noi 3R Declaration (2013~2023)	MALAYSIA
I. 3R Goals	in Urban/Industrial Areas (3Rs in Industrial waste)	
Goal 5	Encourage the <b>private sector</b> , including small to implement measures to increase <b>resource</b> decent work and to improve environmental environmental standards, clean technologies,	efficiency and productivity, creation of lly-friendly practices through applying
~	t are the major clean technology related postficiency of SMEs?	olicies aiming to increase energy and
This initia	tive is not directly under jurisdiction of Solid V	Waste Management Department
	t are the capacity building programmes cuif SMEs in 3R areas?	rently in place to build the technical
Challenge Nil	s (policy/ institutional/ technological/ financi	al) faced in implementation:
_	of pilot projects, master plans and/or polic ebsites where relevant	ies developed or under development –
_	policies/programmes/projects/master plans at five years (2016~2021)	the government plans to undertake

☐ Partially

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

I. 3R Goals i	n Urban/Industrial Areas (3Rs in Industrial waste)
Goal 6	Promote the <b>greening of the value chain</b> by encouraging industries and associated suppliers and vendors in socially responsible and inclusive ways.
~ .	percent of companies and industries have introduced green accounting and voluntary ntal performance evaluation (Ref: ISO 14000)?
□ Very Hi	gh (> 90%)
$\square$ High (>	70%)
☐ Average	2 (50-~70%)
☐ Low or i	not satisfactory (< 50%)
□ None	
8000) in co	percent of companies and industries have introduced social accounting (Ref: SA onsultation with their workers? $gh (> 90\%)$
☐ High (>'	
	± (50-~70%)
_	not satisfactory (< 50%)
□ None	not satisfactory (< 50%)
□ None	
-	government have a programme for promoting greening of the value chain? What blicies, programmes and incentives are introduced to promote greening of value
Myl Gov toge stan gree envi Mal	HIJAU Mark HIJAU Mark is Malaysia's official green recognition scheme endorsed by the ternment of Malaysia (Ministry of Energy, Green Technology and Water), bringing either certified products and services that meet local and international environmental adards under one single mark. MyHIJAU is to promote the sourcing and purchasing of ten products and services in Malaysia. Its aim is to encourage the adoption of ironmentally friendly practices in the country, while catalysing the growth of aysian's green economy.  The Technology Financing Scheme
• Gre	en Investment Tax Incentives
<b>Challenges</b> Nil	s (policy/ institutional/ technological/ financial) faced in implementation:
_	of pilot projects, master plans and/or policies developed or under development – bsites where relevant
• Grø	een Technology Master Plan
	w.greentechmalaysia.my/wp-content/uploads/2016/02/GTMP-6th-Final.pdf
-	policies/programmes/projects/master plans the government plans to undertake t five years (2016~2021)

Voluntary Progress/Achievements/Initiatives in Implementing Ha Noi 3R Declaration (2013~2023)			MALAYSIA
I. 3R Goals	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.			
Is this God	al relevant for your country?	☐ Partially	☐ Not at all

I. 3R Goals in	n Urban/Industrial Areas (3Rs in Industrial waste)	
	Promote <b>industrial symbiosis</b> (i.e., recycling of waste from one industry a for another), by providing relevant incentives and support.	as a resource
industrial po promote ind	your government have policies and programmes promoting industrial so parks or zones? What specific policies, programmes and incentives are in dustrial symbiosis? waste management policy	
Waste Eco Pindustries	Park (WEP) Incentive by Malaysian Investment Development Authority Park (WEP) aims to promote waste recycling, recovery and treatment acti and provides a sustainable solution to waste management problem investments in facilities and infrastructure towards holistic waste n	n. This will
	nany eco-industrial parks or zones or the like, which is supported by the g n the country?	government,
	s (policy/ institutional/ technological/ financial) faced in implementation and of the law to prevent pollution and fraud.	<i>:</i> :
include web	of pilot projects, master plans and/or policies developed or under developed bsites where relevant agement platform and taskforce	velopment –
within next	policies/programmes/projects/master plans the government plans to t five years (2016~2021) waste management facilities	undertake
Is this Goal	I relevant for your country?  I Highly	lot at all

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

•	Progress/Achievements/Initiatives in ting Ha Noi 3R Declaration (2013~2023)	MALAYSIA	
I. 3R Goals	in Urban/Industrial Areas (3Rs in Industrial waste)		
Goal 8	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.?			
	: 1 training centre under Ministry of Urban We Bukit Tinggi Pahang)	ellbeing, Housing and Local Government	
Planning:	1 private training centre (Negeri Sembilan by	Cenviro Sdn. Bhd.)	
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.?  No data			
Challenges (policy/ institutional/ technological/ financial) faced in implementation: Changing and transfer of officer to other department due to promotion and etc.			
Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant			
Objective	6 of National Solid Waste Management Polici	es (Revision) 2016	
within ne.	t policies/programmes/projects/master plans xt five years (2016~2021) ment of Center of Excellence by private	the government plans to undertake	
Is this Go	al relevant for your country?	☐ Partially ☐ Not at all	

Implementing Ha Noi 3R Declaration (2013~2023) I. 3R Goals in Urban/Industrial Areas (3Rs in Industrial waste) Develop proper classification and inventory of hazardous waste as a prerequisite Goal 9 towards sound management of such waste. Q-1 Is there a systematic classification of hazardous waste? If so, please attach. **Z** Yes  $\square$  No Q-2 What specific rules and regulations are introduced to separate, store, treat, transportation and disposal of hazardous waste? Environmental Quality Act 1974 (ACT 127) Challenges (policy/institutional/technological/financial) faced in implementation: Enforcement of the law is lengthy and complicated Examples of pilot projects, master plans and/or policies developed or under development include websites where relevant Scheduled Waste General Information -From Website: Department of Environment, Ministry of Natural Resources & Environment https://www.doe.gov.my/portalv1/en/industri/maklumat-untuk-industri/maklumat-umumbuangan-terjadual Important policies/programmes/projects/master plans the government plans to undertake

**∠** Highly

☐ Partially

**Voluntary Progress/Achievements/Initiatives in** 

within next five years (2016~2021)

Is this Goal relevant for your country?

Nil

**MALAYSIA** 

II. 3R Goals in	n Rural Areas
Goal 10	<b>Reduce losses in the overall food supply chain</b> (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.
	specific policies, rules and regulations, including awareness programmes, are to minimize food or crop waste?
Food Waste (2016-2026)	Management Development Plan For Industry, Commercial And Institution Sector
	e any continuing education services or awareness programmes for the farmers or marketing associations on reduction of crop wastes for increased food security?
~	the average wastage of crops or agricultural produce between farms to consumers, study in your country? –
☐ Very Hig	h (> 20~ 30%)
☐ High (10-	~20%)
☐ Medium (	(5~10%)
□ Low (< 5	%)
□ Negligibl	e (<1%)
_	(policy/ institutional/ technological/ financial) faced in implementation: kers in farming and agricultural sectors
- '	f pilot projects, master plans and/or policies developed or under development – sites where relevant
Food Waste (2016-2026)	Management Development Plan For Industry, Commercial And Institution Sector
	kpkt.gov.my/resources/index/user_1/Sumber_Rujukan/pelan_pembangunan_sisa-
	ood waste management dev plan for industry commersial and%20institution
<u>sector.pdf</u>	
MySaveFoo	d
	policies/programmes/projects/master plans the government plans to undertake five years (2016~2021)
Is this Goal	relevant for your country? ✓ Highly ☐ Partially ☐ Not at all

Implementing Ha Noi 3R Declaration (2013~2023) II. 3R Goals in Rural Areas Goal 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. Q-1 How much amount of – (a) agricultural biomass waste and (b) livestock waste are grossly generated per annum? No data Q-2 How are most of the agricultural biomass wastes utilized or treated? (Please check all appropriate boxes) ☐ as secondary raw material input (for paper, bioplastic, furniture, etc.) ☐ biogas/electricity generation □ composts/fertilizers ☐ mostly left unutilized or open dumped ☐ mostly open burned Q-3 What specific policies, guidelines, and technologies are introduced for efficient utilization of agricultural biomass waste and livestock waste as a secondary material inputs towards full scale economic benefits? Relevant websites could be shared for additional information. No data Challenges (policy/institutional/technological/financial) faced in implementation: No data Examples of pilot projects, master plans and/or policies developed or under development include websites where relevant No data

Important policies/programmes/projects/master plans the government plans to undertake

☐ Highly

☐ Partially

Voluntary Progress/Achievements/Initiatives in

within next five years (2016~2021)

Is this Goal relevant for your country?

No data

 $\square$  Not at all

mplement	ing Ha Noi 3R Declaration (2013~2023)
III. 3R Goa	s for New and Emerging Wastes
Goal 12	Strengthen regional, national, and local efforts to address the issue of waste, in particular plastics in the marine and coastal environment.
_	specific policies and regulations are in place to address the issue of plastic wastes in
	d marine environment?
	lid Waste and Public Cleansing Management Act 672 – Section 72(1), Prohibition ainst unauthorized escape of any controlled solid waste
	vironmental Quality Act 1974 – Section 29(1), Prohibition of discharge of wastes into daysian waters
	ater Act $1920$ – Section $7(A)(1)$ – Prohibition of pollution of rivers
(ICZM)? (ICZM)? Q-3 Please programm and marin No data	se provide a list of centre of excellences or dedicated scientific and research ness established to address the impacts of micro-plastic participles (<5 mm) on coastal ne species? If yes, please provide relevant websites.
_	s (policy/institutional/technological/financial) faced in implementation: in enforcement
_	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 et five years (2016~2021)

 $\square$  Partially

**Voluntary Progress/Achievements/Initiatives in** 

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

No data

 $\square$  Not at all

# III. 3R Goals for New and Emerging Wastes

Ensure environmentally-sound management of e-waste at all stages, including Goal 13 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	l **	
	- 100		
applicable	priority order		
	5	Take to recycling center / resource recovery facilities	
	5	Take to landfill	
	1	Take to the retailer	
	2	Take to local charity for re-use	
	1	Take to second-hand shop for re-use	
	10	Ship back to the manufacturer	
	10	Ship back to the manufacturer	
	10	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)? Environment Quality (Household Scheduled Waste) Regulation 20xx

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

No data

Type of e-waste	Estimated total volume generated (ton/year)	% of collected by permitted recycler	% of volume recycled in collected
Television			
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

Guidelines for the Classification of Used Electrical and Electronic Equipment in Malaysia https://www.doe.gov.my/portalv1/wp-

content/uploads/2010/07/ECTRICAL\_AND\_ELECTRONIC\_EQUIPMENTIN\_MALAYSIA.p df

The Project for Development of mechanism for Household E-Waste Management in Malaysia http://www.doe.gov.my/household-ewaste/

Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)

The Project for Development of mechanism for Household E-Waste Management in Malaysia

Voluntary Progress/Achievements/Initiatives in Implementing Ha Noi 3R Declaration (2013~2023)			MALAYSIA
III. 3R Goa	als for New and Emerging Wastes		
Goal 13	Ensure <b>environmentally-sound manageme</b> collection, storage, transportation, recovery, appropriate consideration for working condition of those involved.	recycling, treatme	ent, and disposal with
Is this Go	pal relevant for your country?	☐ Partially	□ Not at all
III. 3R Goa	als for New and Emerging Wastes		
of e-waste	Effective enforcement of established me inappropriate export and import of waste, hazardous waste and e-waste.  **t specific policies and regulations are introduced?**  nent Quality Act 1974	including transit	trade, especially of
Q-2 Do you have required number of well-trained custom or other officials (for airport. seaport, land border control, etc.) to track illegal export and import of e-waste?  □ Yes  No			
_	es (policy/institutional/technological/financi nd close proximity encourages e-waste to be		
_	s of pilot projects, master plans and/or polic rebsites where relevant	ies developed or i	under development –
_	t policies/programmes/projects/master plans xt five years (2016~2021)	the government	plans to undertake
Is this Go	pal relevant for your country?	<b>✓</b> Partially	☐ Not at all

Voluntary Progress/Achievements/Initiatives in		MALAYSIA	
Implementing Ha Noi 3R Declaration (2013~2023)			
III. 3R Go	als for New and Emerging Wastes		
Goal 15	Progressive implementation of " <b>extended</b> encouraging producers, importers, and retain fulfill their responsibilities for collecting, recy waste streams, in particular e-waste.	lers and other relevant stakeholders to	
~	t specific Extended Product Responsibility (EI	PR) policies are enacted or introduced?	
(If there is none, then skip Q-2 below) Environment Quality (Household Scheduled Waste) Regulations 20xx. However this regulation is still in drafting stage.			
Q-2 Pleas	se provide a list of products and product group	s targeted by EPR nationally?	
1) Te	elevision;		
2) W	ashing machine;		
3) A	ir conditioning;		
4) R	efrigerator;		
5) C	omputer; and		
6) M	lobile Phone		
Challenges (policy/ institutional/ technological/ financial) faced in implementation: Enforcement and facility shortage			
Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant Environment Quality (Household Scheduled Waste) Regulations			
Important policies/programmes/projects/master plans the government plans to undertake			
within ne	within next five years (2016~2021)		
Management of household schedule waste			
Is this Go	<i>Is this Goal relevant for your country?</i>		

III. 3R Goals for New and Emerging Wastes			
Goal 16 Promote the 3R concept in health-care waste management.			
Q-1 What specific policies and regulations are in place for healthcare waste management? Environment Quality Act 1974 – (Scheduled Wastes) Regulations, 2005			
Q-2 What is the total annual government expenditure towards healthcare waste management (US\$ per year)?			
2015 : RM103,808,081 (USD 25,432,255.26) exchange rate RM1 = 0.24USD			
Q-3 List the agencies or authorities responsible for healthcare waste management.  Ministry of Health Malaysia			
Q-4 What is the common practice for disposal of healthcare wastes?			
(Please check the appropriate box and add if any other practice followed)			
□ open dumping (untreated)			
□ open burning (untreated)			
☐ ordinary landfilling (untreated)			
☐ sanitary landfilling (treated)			
☐ Low cost small scale incineration (do not meet air emission standards)			
✓ Highly controlled air incineration (dedicated/modern medical waste incinerators)			
☐ Other methods (please specify names: )			
Challenges (policy/ institutional/ technological/ financial) faced in implementation: Nil			
Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant Nil			
Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021) Nil			
Is this Goal relevant for your country? ☐ Highly			

·
IV. 3R Goals for Cross-cutting Issues
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)?  No data
Q-2 What specific energy efficiency schemes are introduced for production, manufacturing and service sector?  No data
Q-3 What specific policies are introduced to create green jobs in product and waste sector?  No data
Challenges (policy/ institutional/ technological/ financial) faced in implementation: Nil
Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant Nil
Important policies/programmes/projects/master plans the government plans to undertake

☐ Highly

☐ Partially

Voluntary Progress/Achievements/Initiatives in

within next five years (2016~2021)

Is this Goal relevant for your country?

Nil

Implementing Ha Noi 3R Declaration (2013~2023)

**MALAYSIA** 

✓ Not at all

IV. 3R Goa	ls for Cross-cutting Issues	
Goal 18	Maximize co-benefits from waste management technologies for local air, water, oceans, and soil pollution and global climate change.	
Q-1 Plea	se share how climate mitigation is addressed in waste management policies and	
	nes for co-benefits?	
Under 11	h Malaysia Plan, one special committee has been formed to coordinate the management	
of various	s type of waste in Malaysia.	
Challeng	es (policy/ institutional/ technological/ financial) faced in implementation:	
Lack of d	ata and coordination	
Examples of pilot projects, master plans and/or policies developed or under development –		
include websites where relevant		
Importan	t policies/programmes/projects/master plans the government plans to undertake	
within ne	xt five years (2016~2021)	
Integrate	d waste management	

**∠** Highly

☐ Partially

Voluntary Progress/Achievements/Initiatives in

Is this Goal relevant for your country?

Implementing Ha Noi 3R Declaration (2013~2023)

MALAYSIA

Voluntary Progress/Achievements/Initiatives in Implementing Ha Noi 3R Declaration (2013~2023)		MALAYSIA
IV. 3R Goa	als for Cross-cutting Issues	
Goal 19	Enhance <b>national and local knowledge base resource efficiency</b> , through facilitating effe stakeholders, including governments, municiple communities.	ective and dynamic linkages among all
Q-1 What specific policies are introduced to encourage triangular cooperation between government, scientific & research institutions and private/business sector in 3R areas?  Thrust 2, Strategy 5 of National Solid Waste Management Policy 2016.		
in the are recycling Local Hi	se share the number and list of dedicated scient eas of 3Rs (e.g., waste minimization technologies, industrial symbiosis, resource en gher Learning Institution of Malaysia such a Universiti Tun Hussien Onn Malaysia and etc	gies, eco-products, cleaner production, fficiency, etc.)?
	es (policy/ institutional/ technological/ finance support is limited and lacking in expertise to er	
include w	s of pilot projects, master plans and/or polic vebsites where relevant	
Development of Smart Recycle Bin with , Universiti Tun Hussien Onn Malaysia		
within ne	t policies/programmes/projects/master plans ext five years (2016~2021) Strategy 5 of National Solid Waste Manageme	-
Is this Go	pal relevant for your country?	

Implementing Ha Noi 3R Declaration (2013~2023) IV. 3R Goals for Cross-cutting Issues Goal 20 Strengthen multi-stakeholder partnerships among governments, civil society, and the private sector in raising public awareness and advancing the 3Rs, sustainable consumption and production, and resource efficiency, leading to the behavioural change of the citizens and change in production patterns. Q-1 Does central government have official dialogue with multi-stakeholders in the process to formulate 3R-related policies and regulations? Which stakeholders are involved in the *dialogue?*(Please check all applicable) **NGOs** ☐ Industrial Association ☑ Local Government ☐ Academic Institution ☐ Others, please add/specify ( ) Q-2 What is the level of NGOs' involvement in 3R, sustainable production and consumption, resource efficiency related promotional activities? (Please check the appropriate box) ☐ Very high □ Low ☐ Almost Negligible **M** Moderate Q-3 What is the level of citizens' awareness on beneficial aspects of 3R, sustainable production and consumption and resource efficiency. (Please check the appropriate box) **∠** Very high ☐ Moderate ☐ Almost Negligible  $\square$  Low Challenges (policy/institutional/technological/financial) faced in implementation: NGO program or activities are highly dependent on funds allocated by Government or private institution. Examples of pilot projects, master plans and/or policies developed or under development include websites where relevant Thrust 4, Strategy 14 of National Solid Waste Management Policy 2016 emphasis on the importance of collaboration with NGO. Thus, awareness program with local NGOs is conducted

annually especially during National Recycling Day eg. EcoRangers, Treasure Hunt and etc

Important policies/programmes/projects/master plans the government plans to undertake

☐ Highly

**Z** Partially

 $\square$  Not at all

Thrust 4, Strategy 14 of National Solid Waste Management Policy 2016

**Voluntary Progress/Achievements/Initiatives in** 

within next five years (2016~2021)

Is this Goal relevant for your country?

Examples of pilot projects, master plans and/or policies developed or under development -

Important policies/programmes/projects/master plans the government plans to undertake

☐ Highly

**Z** Partially

To introduce Sustainable Living Subject for Primary and Secondary School

Nil

Nil

include websites where relevant

within next five years (2016~2021)

Is this Goal relevant for your country?

**Voluntary Progress/Achievements/Initiatives in MALAYSIA** Implementing Ha Noi 3R Declaration (2013~2023) IV. 3R Goals for Cross-cutting Issues Goal 22 **Integrate the 3R concept** in relevant policies and programmes, of key ministries and agencies such as Ministry of Environment, Ministry of Agriculture, Forestry and Fisheries, Ministry of Industry, Ministry of Trade and Commerce, Ministry of Energy, Ministry of Water Resources, Ministry of Transport, Ministry of Health, Ministry of Construction, Ministry of Finance, Ministry of Labour, Ministry of Land and Urban Development, Ministry of Education, and other relevant ministries towards transitioning to a resource-efficient and zero waste society. Q-1 Please list the name of the Ministries and major Government Agencies which are promoting 3R and resource efficiency as part of their policy, planning and developmental activities at local and national level. 3R for solid waste management : Ministry of Urban Wellbeing, Housing & Local Government 3R for e-waste : Ministry of Natural Resources & Environment Resource efficiency and green energy: Ministry of Energy, Green Technology and Water O-2 What type of coordination mechanism are there among ministries and agencies for a resource efficient economic development? ☐ Official regular coordination meeting among ministries and agencies Official ad-hoc coordination meeting among ministries and agencies ☐ Informal meeting among ministries and agencies ☐ Other coordination mechanisms (please add/specify) Challenges (policy/institutional/technological/financial) faced in implementation: Cross Ministerial functions usually time consuming and require good coordination for an action plan to successful implemented Examples of pilot projects, master plans and/or policies developed or under development include websites where relevant Integrated biogas treatment plant in Sungai Besi, Selangor

Important policies/programmes/projects/master plans the government plans to undertake

**Z** Highly

☐ Partially

within next five years (2016~2021)
Integrated waste management

Is this Goal relevant for your country?

□ Not at all

Voluntary Progress/Achievements/Initiatives in MALAY Implementing Ha Noi 3R Declaration (2013~2023)			
IV. 3R Goal	s for Cross-cutting Issues		
Goal 23	Promote <b>green and socially responsible pro</b> and expanding 3R industries and markets products.	· · · · · · · · · · · · · · · · · · ·	
Q-1 Wha	t specific policies are introduced to proent?	omote green and social responsible	
Governme	nt Green Procurement circular		
Q-2 Please provide details of eco-labelling schemes of your country.  SIRIM Eco-Labelling Scheme under Standard and Industrial Research Institute of Malaysia (SIRIM)			
http://www	v.sirim-qas.com.my/our-services/product-certi	fication/eco-labelling-scheme	
Q-3 Please provide a list of criteria for eco-labeled products and services in your country. Nil			
Q-4 Please provide the list of Ministries and major Government Agencies which have adopted green procurement policy.  No data			
Q-5 What % of municipalities have adopted the green procurement policy? No data			
Challenges (policy/ institutional/ technological/ financial) faced in implementation: Nil			
Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant Nil			

Important policies/programmes/projects/master plans the government plans to undertake

☐ Highly

**∠** Partially

within next five years (2016~2021)

Is this Goal relevant for your country?

Nil

•	Progress/Achievements/Initiatives in ing Ha Noi 3R Declaration (2013~2023)	MALAYSIA
IV. 3R Goal	s for Cross-cutting Issues	
Goal 24	Phase out harmful subsidies that favour materials and water) and energy, and implementing the 3Rs and efforts to improve	channel the freed funds in support of
unsustain	there any government subsidy programn able use of resources (raw materials, water, programmes along with the responsible Mating it.	and energy)? If so, please provide a list
Challenge Public obje	rs (policy/ institutional/ technological/ finance ection	ial) faced in implementation:
include we	of pilot projects, master plans and/or policebsites where relevant ationalization	cies developed or under development –
_	t policies/programmes/projects/master plans at five years (2016~2021)	s the government plans to undertake

Highly

☐ Partially

Is this Goal relevant for your country?

☐ Not at all

IV. 3R Goal	Is for Cross-cutting Issues
Goal 25	Protect public health and ecosystems, including freshwater and marine resources by eliminating illegal activities of open dumping, including dumping in the oceans, and controlling open burning in both urban and rural areas.
<b>Q-1 Is was</b> Yes	ste management a public health priority in your country?
Solid Was	are the rules and regulations to prevent open dumping and open burning of waste? the and Public Cleansing Management Act 2007 and Quality Act 1974
-	the five most important rivers in terms of water quality (BOD values) passing through es and urban areas?
<b>Q-4 What</b> water bod No data	are the specific laws, rules and regulations in place to prevent littering in river and ies?
<b><i>Q-5 What</i></b> No data	are the specific laws, rules and regulations in place to prevent marine littering?
<b>Challenge</b> No data	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 at five years (2016~2021)
Is this God	al relevant for your country?

*Is this Goal relevant for your country?* Highly

MALAYSIA

IV. 3R Goals for Cross-cutting Issues
Facilitate the international circulation of re-usable and recyclable resources as well as remanufactured products as mutually agreed by countries and in accordance with international and national laws, especially the Basel Convention, which contributes to the reduction of negative environmental impacts and the effective management of resources.
Q-1 What are major recycling industries in your country?
Metal, Paper and Plastic industries
Q-2 Please specify the regulation on transboundary movement of hazardous waste.
Environment Quality Act 1974. Transboundary movement of hazardous waste into Malaysia is prohibited.
Q-3 If your government has restriction on import of non-hazardous waste or quality control of non-hazardous waste, please list it up.
Non-hazardous waste importation must get an Import Permit from relevance Agencies
Q-4 Does your government restrict import of remanufactured goods?
No data
Q-5 Does your government regard remanufactured goods as secondhand goods, and regulate it as secondhand goods?
No data
Challenges (policy/institutional/technological/financial) faced in implementation: Enforcement and fraud in waste importation
Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant Imported Solid Waste Regulation 20xx
Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)  To review regulation on waste importation

☐ Partially

V. 3R Goals	s for Cross-cutting	Issues				
oal 27			n compilation	and sharir	ng nublic :	announcement an
oui 27					C, 1	the state of wast
	management a	nd resource	e efficiency.			
						on on material flo
		_		appropriate	boxes. (Plea	se respond on bot
Data Avai Data Type	ilability" and M				Monitorin	og Rasa
Jaia Type					Monitoring Base	
		Good	Very limited	No data exist	Good	Not good
Waste gene			<b>~</b>			<b>√</b>
Material flo	ow		<b>✓</b>			<b>✓</b>
Cyclical us	e			✓		✓
Amount of	final disposal	✓			✓	
Disposal to	land		✓			✓
Direct disp	osal to water			✓		<b>√</b>
mport of v	vaste			<b>✓</b>		<b>√</b>
Export of waste				✓		<b>√</b>
Γotal landf	illed waste	<b>√</b>			<b>✓</b>	
mport of r	ecyclables	<b>✓</b>			✓	
Export of r	ecyclables			<b>√</b>		✓
Hazardous waste generation (solid, liquid, sludge, etc.)		<b>√</b>			<b>√</b>	
e-waste ger				<b>√</b>		✓
lease add d	any other date type	L relevant to y	our country)			
nd inforn	are the current on ation availability waste database	ty in waste	•	policies and	programme	s to strengthen dat
_	s ( <i>policy</i> / <i>institu</i> expertise, huma			. •	_	entation:
_	of pilot project bsites where rel		plans and/or p	policies deve	loped or un	der development
rithin nex	policies/progra t five years (201 h waste databas	6~2021)	jects/master p	lans the go	vernment p	lans to undertak

☐ Highly

Partially

Is this Goal relevant for your country?

IV. 3R Goals for Cross-cutting Issues

Goal 28 Promote heat recovery (waste-to-energy), in case wastes are not re-usable or recyclable and proper and sustainable management is secured.

Q-1 What are the government policies and programmes, including incentives, for waste-to-energy programmes?

Feed in tariff

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

Technical expertise, financial allocation and NIMBY syndrome

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

Solid Waste Management Policy 2016

Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)

To build Waste to Energy Plant in Kuala Lumpur

☐ Highly

**Z** Partially

Voluntary Progress/Achievements/Initiatives in

Is this Goal relevant for your country?

Implementing Ha Noi 3R Declaration (2013~2023)

**MALAYSIA** 

-	Progress/Achievements/Initiatives in ting Ha Noi 3R Declaration (2013~2023)	MALAYSIA
IV. 3R Goa	ls for Cross-cutting Issues	
Goal 29	Promote overall regional cooperation and redifferent levels of linkages such as governunicipality, industry-to-industry, (research) Encourage technology transfer and technical developed countries to less developed countries	rnment-to-government, municipality-to-institute-to-institute, and NGO-to-NGO. al and financial supports for 3Rs from
O-1 Pleas	e provide a list of on-going bilateral/multi-lat	
of waste e	actions are being taken to promote inter-mun xchanges, resource recovery, recycling, waste	e-to-energy and trade of recyclables?
Challenge No data	es (policy/ institutional/ technological/ financi	ial) faced in implementation:
_	of pilot projects, master plans and/or polic ebsites where relevant	ies developed or under development –
-	t policies/programmes/projects/master plans xt five years (2016~2021)	the government plans to undertake

☐ Highly

**Z** Partially

No data

Is this Goal relevant for your country?

Implementing Ha Noi 3R Declaration (2013~2023) IV. 3R Goals for Cross-cutting Issues Pay special attention to issues and challenges faced by developing countries including Goal 30 SIDS in achieving sustainable development. Q-1 Please describe any past and on-going cooperation with SIDS (Small Island Developing States) countries in 3R areas. No data Q-2 Please list 3R related projects linked to climate change, biodiversity, disaster management and sustainable tourism. (This is to be reported by SIDS countries only) No data Challenges (policy/institutional/technological/financial) faced in implementation: No data Examples of pilot projects, master plans and/or policies developed or under development include websites where relevant No data Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)

☐ Highly

☐ Partially

Voluntary Progress/Achievements/Initiatives in

No data

Is this Goal relevant for your country?

**MALAYSIA** 

□ Not at all

IV. 3R Goals for Cross-cutting Issues Promote 3R + "Return" concept which stands for Reduce, Reuse, Recycle and Goal 31 "Return" where recycling is difficult due to the absence of available recycling industries and limited scale of markets in SIDS, especially in the Pacific Region. Q-1 What specific policies, programme, including pilot projects, are implemented to promote 3R+ "Return" concept? (This is to be reported by SIDS countries only) No data Challenges (policy/institutional/technological/financial) faced in implementation: No data Examples of pilot projects, master plans and/or policies developed or under development include websites where relevant No data Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021) No data

☐ Highly

☐ Partially

**Voluntary Progress/Achievements/Initiatives in** 

Is this Goal relevant for your country?

Implementing Ha Noi 3R Declaration (2013~2023)

**MALAYSIA** 

IV. 3R Goal	als for Cross-cutting Issues			
Goal 32	Complete elimination of illegal e and gradually <b>improve</b> the wor <b>mandatory provision of health</b>	rking conditi	ons and livelihood	
<b><i>Q-1 What</i></b> No data	t is the approximate market size (i	n US\$) of the	e informal waste se	ector?
<b>Q-2 Numl</b> No data	ber of annual labor inspections in	waste sector	?	
<b>Q-3 Is hea</b> No	alth insurance a mandatory to all	informal wo	rkers in waste sect	or by law?
	nt specific policies and enforcen ent of children in waste sector?	nent mechan	isms are in plac	e to prevent illegal
<b><i>Q-5 Numl</i></b> Only 2.	ber of landfill sites accessible to re	egister waste	pickers?	
<b>Q-6 Avera</b> No data	age life span of informal waste wo	orkers?		
<b><i>Q-7 Any g</i></b> None	government vaccination programn	nes for infor	nal waste workers	?
<b>Q-8</b> Any measures: None	public awareness programmes j ?	for informal	waste workers of	n health and safety
_	es (policy/ institutional/ technolog allocation and cross ministerial co	•	ıl) faced in implen	nentation:
_	s of pilot projects, master plans ovebsites where relevant	and/or polici	es developed or u	nder development –
_	t policies/programs/projects/maste years (2016~2021)	er plans the g	government plans	to undertake within
 Is this God	oal relevant for your country?	Highly	☐ Partially	✓ Not at all

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

IV. 3R Goals	s for Cross-cutting Issues
Goal 33	Promote 3Rs taking into account gender considerations.
-	give a brief assessment on how the national, provincial and municipal governments e gender considerations in waste reduction, reuse and recycle.
Challenge. None	s (policy/ institutional/ technological/ financial) faced in implementation:
_	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 (2016~2021)
Is this God	al relevant for your country? ☐ Highly ☐ Partially