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

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

## **Country Report**

(Draft)

<Singapore>

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

# **Country Report**

Name of the Country: SINGAPORE

Name, Designation and Organization Respondent: National

**Environment Agency - Singapore** 

**Other Organizations contributing to Country Report:** 

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

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

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

1.....Information can be found at NEA's website at this link

 $\underline{http://app2.nea.gov.sg/energy-waste/waste-management/waste-statistics-and-overall-recycling}$ 

2.....

3.....

4.....

Go	al	Goal Description	Voluntary Progress/Achievements/Initiatives in Implementing Ha Noi 3R		
No.			Declaration		
<b>I.</b> 3	I. 3R Goals in Urban/Industrial Areas				
	1	Significant <b>reduction</b> in the quantity	Any action had been taken so far?	Challenges faced in implementation:	
		of municipal solid waste generated,	□ Not yet		
		by instituting policies, programmes,	☑ Some (design – piloting)	It is common that companies embark on waste	
		and projects at national and local	☐ Largely in Place	reduction projects only if there is a net financial	
ste		levels, encouraging both producers	☐ Fully Completed	benefit.	
3Rs in municipal solid waste		and consumers to reduce the waste	(Please Check the box)		
bild		through greening production,	Examples of pilot projects and/or pol	licies developed or under development - include	
os Į		greening lifestyle, and sustainable	websites/URLs where relevant		
cipa		consumption.			
uni			Waste reduction at source is one of Singap	ore's waste management strategies. This includes the	
l m			Singapore Packaging Agreement (SPA), a	joint initiative by the NEA, private sector and	
As i			non-governmental organisations (NGOs),	to provide a platform and structure for industries to	
3			collaborate with the government to reduce	packaging waste from consumer products and the	
			supply chain. Refer to the following URL	for details:	
			http://app2.nea.gov.sg/energy-waste/waste	-management/singapore-packaging-agreement	

Go	al	Goal Description	Voluntary Progress/Achievements/Init	iatives in Implementing Ha Noi 3R		
No	•		Declaration			
			Important Actions you will take in 2014			
				l in 2012 for another 5 years. In 2014, we will the target of achieving 315 signatories by 2017 waste annually.		
			Is this Goal relevant for your country?   Yes	☐ No ☐ Partially		
	2	Full-scale utilization of the organic	Any action had been taken so far?	Challenges faced in implementation:		
		component of municipal waste,	☐ Not yet	Commercial viability of recycling activity and		
		including food waste, as a valuable	☑ Some (design – piloting)	marketable products are important factors for		
te		resource, thereby achieving multiple	☐ Largely in Place	successful recycling. Food waste recycling		
was		benefits such as the reduction of	☐ Fully Completed	remains low due to difficulties in source		
lid		waste flows to final disposal sites,	(Please Check the box)	segregation and high collection and treatment		
l so		reduction of GHG emission,		costs.		
3Rs in municipal solid waste	ı	improvement in resource efficiency,		veloped or under development – include URLs		
		energy recovery, and employment	where relevant			
n n		creation.	Spent grains and soya waste from manufacturi	ng processes are currently recycled into animal		
Rs i			feed. On-site food waste recycling machine have	ve been adopted by some waste generators with		
€.			funding support from the government. About 40	% of horticultural waste, and 10% of food waste		
			are recycled. All remaining organic waste is sent	to waste to energy plants for energy recovery.		
			Recycling activities are undertaken by compa	anies while WTE plants are operated by the		
			government or contracted to government under F	PPP arrangements.		

Go	al	Goal Description	Voluntary Progress/Achievements/Initiatives in Implementing Ha Noi		
No. Declaration		Declaration			
			Important Actions you will take in 2014		
			Continue to promote recycling efforts eg support waste reduction projects under the 3R Fur scheme and lease out land plots for horticultural waste recycling in the recycling park.		
			Is this Goal relevant for your country?	I Yes □ No □ Partially	
	2	Achieve significant increase in	Any action had been taken as for?	Challanges found in implementations	
al	3	Achieve significant increase in		Challenges faced in implementation:	
ici [		recycling rate of recyclables (e.g.,	$\square$ Not yet		
lan		plastic, paper, metal, etc.), by	☐ Some (design – piloting)	To create a behavioural change in residents to	
in municipal		introducing policies and measures,	☑ Largely in Place	increase recycling rates.	
3Rs i		and by setting up financial	☐ Fully Completed		
3		mechanisms and institutional	(Please Check the box)		

Goal	<b>Goal Description</b>	Voluntary Progress/Achievements/Initiatives in Implementing Ha Noi 3R
No.		Declaration
		Examples of pilot projects and/or policies developed or under development - include URLs
		where relevant
		Several recycling programmes have been launched to promote waste minimisation and recycling in homes, schools, industrial estates, etc. Enhancements to the National Recycling Programme
		(NRP) to provide more recycling bins with more frequent collection as well as additional garden
		waste collection for recycling is being progressively implemented. A Save-As-You-Reduce
		(SAYR) pilot project to study the effectiveness of usage-based pricing for waste collection is in
		progress. Refer to the following URL for details:
		http://app2.nea.gov.sg/energy-waste/recycling/recycling-programmes
		http://appz.nea.gov.sg/energy-waste/recyching/recyching-programmes
		Various e-waste take-back programmes have been initiated by retailers and suppliers such as
		Starhub, Panasonic, Canon, Dell, HP, Toshiba, Nokia and Motorola to collect used computers,
		printers, ink and toner cartridges and telecommunications products for recycling. Refer to the
		following URL for details:
		http://app2.nea.gov.sg/energy-waste/recycling/other-take-back-programmes
		Funding for projects to reduce waste is available under its 3R Fund or IES Fund. Refer to the
		following URL for details:
		http://app2.nea.gov.sg/grants-awards/3r-fund/about-the-fund
		http://app2.nea.gov.sg/grants-awards/green-technology/innovation-for-environmental-sustainabil
		ity-(ies)-fund
		5/35

Goal Goal Description Voluntary 1		Goal Description	Voluntary Progress/Achievements/Init	iatives in Implementing Ha Noi 3R		
No.			Declaration			
			Important Actions you will take in 2014			
			Enhancements to the NRP will be completed in 2014. The SAYR pilot will also be complete and its effectiveness would be evaluated.			
			Is this Goal relevant for your country?   ✓ Yes	☐ No ☐ Partially		
	4	Build sustainable cities /green cities	Any action had been taken so far?	Challenges faced in implementation:		
		by encouraging "zero waste" through	☐ Not yet			
		sound policies, strategies,	☐ Some (design – piloting)			
te		institutional mechanisms, and	☑ Largely in Place			
was		multi-stakeholder partnerships	☐ Fully Completed			
lid		(giving specific importance to private	(Please Check the box)			
ll so		sector involvement) with a primary	Examples of pilot projects and/or policies dev	veloped or under development – include URLs		
cipa		goal of waste minimization	where relevant			
3Rs in municipal solid waste			avoidance at source, recycling, resource recover and lastly landfilling. By reducing waste and re	ery through waste-to-energy incineration plants ecycling as much as possible and as a last resort conserve resource and cut waste disposal to a ling rate is to achieve 70% by 2030.		

Goa	Goal Description		Voluntary Progress/Achievement	s/Initiatives i	n Implementing	Ha No	i 3R
No.			Declaration				
			Important Actions you will take in 2014				
			To continue to raise overall recycling rate	to achieve the lor	ng term targets		
			Is this Goal relevant for your country?   ✓	I Yes	□ No	☐ Partia	ally
	5	Encourage the <b>private sector</b> , including small- and medium-sized		Challenges face	d in implementation	:	
		enterprises (SMEs) to implement	•	Private compan	nies will embark on	waste rec	luction
		measures to increase resource	☑ Largely in Place	_	there is a net financia		
4)		efficiency and productivity, creation	☐ Fully Completed				
aste		of decent work and to improve	(Please Check the box)				
al w		environmentally-friendly practices	Examples of pilot projects and/or polici-	es developed or	under development	- include	URLs
stri		through applying environmental	where relevant				
npu		standards, clean technologies, and					
ini		cleaner production.	Training and certification has been made of	compulsory for al	l licensed waste coll	ectors to in	nprove
3Rs in industrial waste			the safety standards and productivity of wa	aste collectors.			
			Important Actions you will take in 2014				
			Ensuring all workers of licensed waste col	lectors are trained	d and certified.		

Goal		<b>Goal Description</b>	Voluntary Progress/Achievement	s/Initiatives in Im	plementing Ha Noi 3R
No.			Declaration		
			Is this Goal relevant for your country?	1 Yes	No □ Partially
ial waste	6	Promote the greening of the value chain by encouraging industries and associated suppliers and vendors in socially responsible and inclusive ways.	☐ Not yet ☐ Some (design – piloting)	-	mplementation:  fill embark on waste reduction is a net financial benefit.
3Rs in industrial waste			Examples of pilot projects and/or policies developed or under development – where relevant  The Singapore Packaging Agreement (SPA), a joint initiative by the NEA, private non-governmental organisations (NGOs), provides a platform and structure for ind collaborate with the government to reduce packaging waste from consumer product supply chain. Refer to the following URL for details:		

Goa	al	Goal Description	Voluntary Progress/Achievemen	ts/Initiatives in Implementing Ha Noi 3R			
No.			Declaration	Declaration			
			Important Actions you will take in 2014				
			The SPA was renewed in 2012 for another 5 years and aims to achieve 315 signatories annual reduction of 6,500 tonnes of waste annually.				
			Is this Goal relevant for your country?	☑ Yes ☐ No ☐ Partially			
3Rs in industrial waste	7	Promote industrial symbiosis (i.e., recycling of waste from one industry as a resource for another), by providing relevant incentives and support.	☐ Not yet ☑ Some (design – piloting)	Challenges faced in implementation:  Private companies will embark on waste reduction projects only if there is a net financial benefit.			

Goa	al	Goal Description	Voluntary Progress/Achievements	s/Initiatives in Implementing Ha Noi 3R
No.	No.		Declaration	
			Examples of pilot projects and/or policies where relevant	es developed or under development - include URLs
			Funding for projects to reduce waste are available under its 3R Fund or IES Fund. Refer following URL for details:	
			http://app2.nea.gov.sg/grants-awards/3r-fu	nd/about-the-fund
			http://app2.nea.gov.sg/grants-awards/green	n-technology/innovation-for-environmental-sustainabil
			<u>ity-(ies)-fund</u>	
			Important Actions you will take in 2014	
			Continue to co-fund innovative waste redu	action projects through the 3R fund.
			Is this Goal relevant for your country?	I Yes □ No □ Partially
T	8	Build local capacity of both current	Any action had been taken so far?	Challenges faced in implementation:
3Rs in industrial		and future practitioners, to enable the	☐ Not yet	Good business models are required.
		private sector (including SMEs) to	☐ Some (design – piloting)	
n in		obtain the necessary knowledge and	☑ Largely in Place	
Rs i		technical skills to foster green	☐ Fully Completed	
3		industry and create decent, productive	(Please Check the box)	

Goa	al	Goal Description	Voluntary Progress/Achievements/Init	iatives in Implementing Ha Noi 3R	
No.			Declaration		
			Examples of pilot projects and/or policies developed or under development – include URLs where relevant		
		operated by the private sector under a PPP sys	fully privatized. Two of our 4 WTE pants are stem. All recycling activities are undertaken by		
			Important Actions you will take in 2014		
			Ongoing activities.		
			Is this Goal relevant for your country?   ✓ Yes	☐ No ☐ Partially	
rial	9	Develop proper classification and inventory of hazardous waste as a	Any action had been taken so far?  ☐ Not yet	Challenges faced in implementation:	
3Rs in industrial		prerequisite towards sound			
n in		management of such waste.	☐ Largely in Place		
Rs i			☑ Fully Completed		
33			(Please Check the box)		

Goal	Goal Description	Voluntary Progress/Achievements/Initiatives in Implementing Ha Noi 3R			
No.		Declaration			
		Examples of pilot projects and/or policies	es developed or under development - include URLs		
		where relevant			
		The collection and treatment of hazardous waste are governed by law and a licence is required.			
		The movement of such waste is controlled	under an e-tracking system.		
		Important Actions you will take in 2014			
		Continue to ensure all hazardous wastes	are properly managed in accordance with existing		
		regulations			
		Is this Goal relevant for your country?	Yes □ No □ Partially		
II. 3R G	oals in Rural Areas	,			
10	Reduce losses in the overall food	Any action had been taken so far?	Challenges faced in implementation:		
	supply chain (production, post	☐ Not yet			
	harvesting and storage, processing	$\square$ Some (design – piloting)			
	and packaging, distribution), leading	☐ Largely in Place			
	to reduction of waste while increasing	☐ Fully Completed			
	the quantity and improving the	(Please Check the box)			
	quality of products reaching				

Goal	<b>Goal Description</b>	Voluntary Progress/Achievements/Initiatives in Implementing Ha Noi 3		
No.		Declaration		
	consumers.	Examples of pilot projects and/or policie	es developed or under dev	relopment – include URLs
		where relevant		
		NOT A	PPLICABLE	
		Important Actions you will take in 2014		
		Is this Goal relevant for your country?	l Yes □ No	☐ Partially
11	Promote full scale use of	Any action had been taken so far?	Challenges faced in impler	mentation:
	agricultural biomass waste and	□ Not yet		
	livestock waste through reuse and/or	☐ Some (design – piloting)		
	recycle measures as appropriate, to	☐ Largely in Place		
	achieve a number of co-benefits	☐ Fully Completed		
	including GHG emission reduction,	(Please Check the box)		
	energy security, sustainable			
	livelihoods in rural areas and poverty			
	reduction, among others.	Examples of pilot projects and/or policie	es developed or under dev	relopment – include URLs
		where relevant		
		NOT APPLICABLE		
		Important Actions you will take in 2014		

Goal	<b>Goal Description</b>	Voluntary Progress/Achievement	s/Initiatives in	Implementing	Ha Noi 3R
No.		Declaration			
		Is this Goal relevant for your country?	☐ Yes	□ No	$\square$ Partially
III. 3R (	Goals for New and Emerging Wastes				
12	Strengthen regional, national, and	Any action had been taken so far?	Challenges faced i	in implementation:	
	local efforts to address the issue of	☐ Not yet			
	waste, in particular plastics in the	☐ Some (design – piloting)	Nil		
	marine and coastal environment.	☐ Largely in Place			
		☑ Fully Completed			
		(Please Check the box)			
		Examples of pilot projects and/or polici	es developed or ur	nder development -	- include URLs
		where relevant			
		All wastes are collected and sent to dispos	al and recycling fac	ilities.	

Goal	<b>Goal Description</b>	Voluntary Progress/Achievements	s/Initiatives	in Implementing	Ha Noi 3R
No.		Declaration			
		Important Actions you will take in 2014			
		Continue to ensure all waste are properly facilities in accordance with existing regul	•	sent to approved dispo	osal or recycling
		Is this Goal relevant for your country?   ✓	I Yes	□ No	☐ Partially
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	<ul> <li>□ Not yet</li> <li>☑ Some (design – piloting)</li> <li>□ Largely in Place</li> <li>□ Fully Completed</li> <li>(Please Check the box)</li> </ul>	Challenges fac	ed in implementation:	

Goal	Goal Description	Voluntary Progress/Achievements/Initiatives in Implementing Ha Noi 3R
No.		Declaration
	safety aspects of those involved.	Examples of pilot projects and/or policies developed or under development - include URLs
		where relevant
		Various e-waste take-back programmes have been initiated by retailers and suppliers such as
		Starhub, Panasonic, Canon, Dell, HP, Toshiba, Nokia and Motorola to collect used computers,
		printers, ink and toner cartridges and telecommunications products for recycling. Refer to the
		following URL for details:
		http://app2.nea.gov.sg/energy-waste/recycling/other-take-back-programmes
		A project supported under the 3R Fund has been launched to collect and treat discarded white
		goods.
		Important Actions you will take in 2014
		Support existing efforts of local retailers, suppliers and e-waste recyclers.
		Is this Goal relevant for your country?   ✓ Yes   ☐ No  ☐ Partially

Goal	<b>Goal Description</b>	Voluntary Progress/Achievements/Initiatives in Implementing Ha Noi 3R				
No.	_	Declaration				
14	Effective enforcement of established mechanisms for preventing illegal		Challenges faced in implementation:			
	and inappropriate export and import	•	Not applicable			
	of waste, including transit trade,	☐ Largely in Place				
	especially of hazardous waste and	☑ Fully Completed				
	e-waste.	(Please Check the box)				
		Examples of pilot projects and/or polici	es developed or under development – include URLs			
		where relevant				
		regulations on issues affecting the environment of the state of the st	nternational agreements that provides guidelines or nment, often in areas with transboundary implications. following URL for details: tion-protection/chemical-safety/multilateral-environme			
		Important Actions you will take in 2014				
		Ongoing enforcement actions				

Goal	<b>Goal Description</b>		s/Initiatives in Implementing Ha Noi 3R
No.		<b>Declaration</b> Is this Goal relevant for your country?   ✓	1 Yes □ No □ Partially
15	Progressive implementation of "extended producer responsibility (EPR)" by encouraging producers, importers, and retailers and other relevant stakeholders to fulfill their responsibilities for collecting, recycling, and disposal of new and emerging waste streams, in particular	<ul><li>□ Not yet</li><li>☑ Some (design – piloting)</li><li>□ Largely in Place</li></ul>	Challenges faced in implementation:  Due to small e-waste volume, e-waste recyclers find it difficult to operate a cost effective e-waste recycling process
	e-waste.	where relevant  Various e-waste take-back programmes ha Starhub, Panasonic, Canon, Dell, HP, Tosh	es developed or under development – include URLs  ve been initiated by retailers and suppliers such as  niba, Nokia and Motorola to collect used computers,  ommunications products for recycling. Refer to the  ling/other-take-back-programmes

Goal	<b>Goal Description</b>	Voluntary Progress/Achievement	ts/Initiatives in Implementing Ha Noi 3R
No.		Declaration	
		Important Actions you will take in 2014	
		Is this Goal relevant for your country?	✓ Yes □ No □ Partially
16	Promote the 3R concept in health-care waste management.	✓ Not yet  ☐ Some (design – piloting)  ☐ Largely in Place  ☐ Fully Completed (Please Check the box)  Examples of pilot projects and/or policit where relevant  Infectious waste, pathological waste, contreatment areas are considered as biohaza	Challenges faced in implementation:  Not applicable  ies developed or under development – include URLs  ntaminated sharps and other contaminated waste from rdous wastes which need special handling and disposal.  pre-treatment before it is disposed of as biohazardous
		Biohazardous wastes are required to be di	sposed of by licensed hospital waste contractors.

Goal	Goal Description	Voluntary Progress/Achievements	s/Initiatives in	Implementing	Ha	Noi	3R
No.		Declaration					
		Important Actions you will take in 2014					
		Nil					
		Is this Goal relevant for your country?	Yes	☑ No	□ Pa	rtially	y
IV. 3R (	 Goals for Cross-cutting Issues						
17	Improve resource efficiency and	Any action had been taken so far?	Challenges faced i	in implementation:			
	resource productivity by greeting	☑ Not yet					
	jobs nation-wide in all economic and	☐ Some (design – piloting)					
	development sectors	☐ Largely in Place					
		☐ Fully Completed					
		(Please Check the box)					
		Examples of pilot projects and/or policion	es developed or ur	nder development -	- inclu	de U	RLs
		where relevant					
		Important Actions you will take in 2014					

Goal	<b>Goal Description</b>	Voluntary Progress/Achievement	s/Initiatives in	Implementing	Ha Noi 3R
No.		Declaration			
		Is this Goal relevant for your country?	Yes	□ No	☐ Partially
18	Maximize co-benefits from waste management technologies for local		Challenges faced	in implementation:	
	air, water, oceans, and soil pollution	☑ Some (design – piloting)	Nil		
	and global climate change.	☐ Largely in Place			
		☐ Fully Completed			
		(Please Check the box)			
		Examples of pilot projects and/or policie where relevant	es developed or u	nder development -	- include URLs
		Encouraging the use of Pneumatic Refuse waste collection efficiency, more efficient	•		result in higher

Goal	Goal Description	Voluntary Progress/Achievements	s/Initiatives in Implementing Ha Noi 3R		
No.		Declaration			
		Important Actions you will take in 2014			
		Initiate feasibility study for an Integrated V	Waste Management Facility (IWMF) that would		
		Maximize resource recovery			
		Maximize energy recovery			
		Minimize environmental impact an	<ul> <li>Minimize environmental impact and land footprint</li> <li>Co-locate with facilities using recovered energy</li> </ul>		
		<ul> <li>Co-locate with facilities using reco</li> </ul>			
		Incorporate waste management education centre			
		Is this Goal relevant for your country?   ✓	I Yes $\square$ No $\square$ Partially		
19	Enhance national and local	Any action had been taken so far?	Challenges faced in implementation:		
	knowledge base and research	☐ Not yet			
	network on the 3Rs and resource	☑Some (design – piloting)			
	efficiency, through facilitating	☐ Largely in Place			
	effective and dynamic linkages	☐ Fully Completed			
	among all stakeholders, including	(Please Check the box)			
	governments, municipalities, the				

Goal No.	<b>Goal Description</b>	Voluntary Progress/Achievements/Initiatives in Implementing Ha Noi 3R Declaration	
	private sector, and scientific communities.	Examples of pilot projects and/or policie where relevant	es developed or under development – include URLs
		Organising forums such as the CleanEnvir linkages internationally and locally.	o Summit Singapore to facilitate exchange of ideas and
		Important Actions you will take in 2014	
		Organising the CleanEnviro Summit Singa	apore 2014 in Jun 2014.
		Is this Goal relevant for your country?	☐ Yes ☐ No ☐ Partially
20	Strengthen multi-stakeholder partnerships among governments, civil society, and the private sector in	□ Not yet	Challenges faced in implementation:  To create a behavioural change in residents to
	raising public awareness and advancing the 3Rs, sustainable consumption and production, and	☐ Fully Completed	increase recycling rates.
	resource efficiency, leading to the	(Flease Check the box)	

Goal No.	<b>Goal Description</b>	Voluntary Progress/Achievements Declaration	s/Initiatives in Implementing Ha Noi 3R
1100	behavioural change of the citizens and change in production patterns.		es developed or under development – include URLs
		,	stry associations, waste management companies and covernment organization), in promoting the 3Rs to the
		Important Actions you will take in 2014	
		Continue to work with various stakeholder	rs to promote the 3Rs
		Is this Goal relevant for your country?	☐ Yes ☐ No ☐ Partially
21	Integrate the 3Rs 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.	☐ Largely in Place	Challenges faced in implementation:  Nil

Goal	<b>Goal Description</b>	Voluntary Progress/Achievements/Initiatives in Implementing Ha Noi 3R
No.		Declaration
		Examples of pilot projects and/or policies developed or under development – include URLs where relevant
		The School Recycling Corner Programme has been implemented in all schools and involves the setting up of a Recycling Corner in the school where recycling bins for paper, cans and plastic bottles as well as educational materials such as posters and booklets, are made available to the students.
		A Preschool 3R Awareness Kit has been developed to help teachers plan activities to pique the preschooler' interest in the 3Rs and to reinforce their 3R awareness
		Important Actions you will take in 2014
		Continue to sustain the outreach effort to all schools and pre-schools.
		Is this Goal relevant for your country? ☑ Yes ☐ No ☐ Partially

Goal	<b>Goal Description</b>	Voluntary Progress/Achievements/Initiatives in Implementing Ha Noi 3R		
No.		Declaration		
22	<b>Integrate the 3R concept</b> in relevant	Any action had been taken so far?	Challenges faced in implementation:	
	policies and programmes, of key	☐ Not yet		
	ministries and agencies such as	$\square$ Some (design – piloting)	Nil	
	Ministry of Environment, Ministry of	☑ Largely in Place		
	Agriculture, Forestry and Fisheries,	☐ Fully Completed		
	Ministry of Industry, Ministry of	(Please Check the box)		
	Trade and Commerce, Ministry of			
	Energy, Ministry of Water Resources,			
	Ministry of Transport, Ministry of			
	Health, Ministry of Construction,			
	Ministry of Finance, Ministry of			
	Labour, Ministry of Land and Urban	A comprehensive framework has been im	plemented to require the Public Sector to comply with	
	Development, Ministry of Education,	environmental initiatives under the P	bublic Sector Taking the Lead in Environmental	
	and other relevant ministries towards	Sustainability (PSTLES) framework which	h includes the setting up or recycling bins.	
	transitioning to a resource-efficient			
	and zero waste society.	Important Actions you will take in 2014		
		Continue to support and enhance the PSTLES framework		
		Is this Goal relevant for your country?   ✓	I Yes □ No □ Partially	

Goal	Goal Description	Voluntary Progress/Achievements/Initiatives in Implementing Ha Noi 3R			
No.		Declaration			
23	Promote green and socially	Any action had been taken so far?	Challenges faced in implementation:		
	responsible procurement at all	☐ Not yet			
	levels, thereby creating and	☑ Some (design – piloting)	Nil		
	expanding 3R industries and markets	☐ Largely in Place			
	for environmentally-friendly goods	☐ Fully Completed			
	and products.	(Please Check the box)			
		Examples of pilot projects and/or policies	es developed or under development - include URLs		
		where relevant			
		The Singapore Green Labelling Scheme (SGLS), currently administered by the Singapore Environment Council (a non-government organisation), is an environmental standard and			
		certification mark that is applied to products which have passed stringent standards of			
		environmental processes and procedures. Products bearing the Green Label gain a competitive			
		advantage as it increases consumer and in	dustrial demand and awareness for green products and		
		services. Customers buy Green Label pr	roducts with the knowledge and confidence that the		
		purchase is not at the expense of our envir	onment.		
		Important Actions you will take in 2014			
		Nil			

Goal	<b>Goal Description</b>	Voluntary Progress/Achievement	s/Initiatives in Implementing Ha Noi 3R
No.		Declaration	
		Is this Goal relevant for your country?	I Yes ☐ No ☐ Partially
24	Phase out harmful subsidies that	Any action had been taken so far?	Challenges faced in implementation:
	favour unsustainable use of	☐ Not yet	
	resources (raw materials and	☐ Some (design – piloting)	
	water) and energy, and channel the	☐ Largely in Place	
	freed funds in support of	☐ Fully Completed	
	implementing the 3Rs and efforts to	(Please Check the box)	
	improve resource/energy efficiency.	Examples of pilot projects and/or policies	es developed or under development – include URLs
where relevant			
		NOT A	PPLICABLE
		Important Actions you will take in 2014	
		Important Actions you will take in 2014  Is this Goal relevant for your country?	] Yes □ No □ Partially
25	Protect public health and	<u> </u>	Yes
25	Protect public health and ecosystems, including freshwater	Is this Goal relevant for your country?	
25	•	Is this Goal relevant for your country?  Any action had been taken so far?	
25	ecosystems, including freshwater	Is this Goal relevant for your country? ☐  Any action had been taken so far? ☐ Not yet	
25	ecosystems, including freshwater and marine resources by	Is this Goal relevant for your country? ☐  Any action had been taken so far? ☐ Not yet ☐ Some (design – piloting) ☐ Largely in Place	Challenges faced in implementation:

Goal	Goal Description	Voluntary Progress/Achievement	s/Initiatives in Implementing Ha Noi 3R	
No.	_	Declaration	-	
	in both urban and rural areas.	Examples of pilot projects and/or policies developed or under development – include URLs where relevant  Illegal dumping is prohibited under existing regulations  Important Actions you will take in 2014  Continue to enforce illegal dumping regulations  Is this Goal relevant for your country?  Yes		
26	Facilitate the international circulation	Any action had been taken so far?	Challenges faced in implementation:	
	of re-usable and recyclable resources	☐ Not yet		
	as well as remanufactured products as	☐ Some (design – piloting)		
	mutually agreed by countries and in	☐ Largely in Place		
	accordance with international and	☑ Fully Completed		
	national laws, especially the Basel	(Please Check the box)		

Goal	Goal Description	Voluntary Progress/Achievements/Initiatives in Implementing Ha Noi 3R		
No.		Declaration		
	Convention, which contributes to the	Examples of pilot projects and/or policies developed or under development - include URLs		
	reduction of negative environmental	where relevant		
	impacts and the effective	Singapore is a signatory of the Basel Convention.		
	management of resources.	Singapore has set up The Advanced Re	emanufacturing & Technology Centre; info can be	
		accessed at www.artc.a-star.edu.sg/.		
		Important Actions you will take in 2014		
27	Promote data collection, compilation	Any action had been taken so far?	Challenges faced in implementation:	
	and sharing, public announcement	☐ Not yet		
	and application of statistics on wastes	$\square$ Some (design – piloting)	Nil	
	and the 3Rs, to understand the state of	☐ Largely in Place		
	waste management and resource	☑ Fully Completed		
	efficiency.	(Please Check the box)		
		Examples of pilot projects and/or policies	es developed or under development - include URLs	
		where relevant		
		Waste statistics are compiled and made available at the following URL		
		http://app2.nea.gov.sg/energy-waste/waste-management/waste-statistics-and-overall-recycling		

Goal	<b>Goal Description</b>	Voluntary Progress/Achievement	s/Initiatives in	Implementing	Ha Noi 3R
No.		Declaration			
		Important Actions you will take in 2014			
		Nil			
		Is this Goal relevant for your country?	l Yes	□ No	☐ Partially
28	Promote heat recovery	Any action had been taken so far?	Challenges faced in	n implementation:	
	(waste-to-energy), in case wastes are	□ Not yet	2711		
	not re-usable or recyclable and proper	☐ Some (design – piloting)	Nil		
	and sustainable management is	• •			
	secured.	☑ Fully Completed			
		(Please Check the box)			
		Examples of pilot projects and/or policion	es developed or un	der development -	- include URLs
		where relevant			
		All incinerable wastes that are not sent for recycling are incinerated at one of waste-to-energy incineration plants		ne of the four	
		Important Actions you will take in 2014			
		Continue to ensure all incinerable wastes a	are sent to waste-to-e	energy plants	

Goal	<b>Goal Description</b>	Voluntary Progress/Achievement	s/Initiatives i	in Implementing	g Ha Noi 3R
No.		Declaration			
		Is this Goal relevant for your country?	I Yes	□ No	$\square$ Partially
			T		
29	Promote overall regional cooperation	Any action had been taken so far?	Challenges face	ed in implementation	:
	and multi-stakeholder partnerships	□ Not yet			
	based on different levels of linkages	$\square$ Some (design – piloting)			
	such as government-to-government,	☑ Largely in Place	Nil		
	municipality-to-municipality,	☐ Fully Completed			
	industry-to-industry, (research)	(research) (Please Check the box)			
	institute-to-institute, and	Examples of pilot projects and/or polici	es developed or	under development	- include URLs
	NGO-to-NGO. Encourage technology	where relevant			
	transfer and technical and financial				
	supports for 3Rs from developed	Support information exchange and netwo	rking opportunit	ies through collabora	ation with various
	countries to less developed countries.	stakeholders at forums such as the CleanE	nviro Summit Si	ngapore	
		Important Actions you will take in 2014			
		Organising the CleanEnviro Summit Singapore 2014 in Jun 2014			
		Is this Goal relevant for your country?	1 Yes	□ No	☐ Partially

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

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

Goal	Goal Description	Voluntary Progress/Achievements	s/Initiatives in Impl	ementing Ha Noi 3R
No.		Declaration		
		Is this Goal relevant for your country?	] Yes ☑ No	☐ Partially
33	Promote 3Rs taking into account	Any action had been taken so far?	Challenges faced in impl	ementation:
	gender considerations.	☐ Not yet		
		$\square$ Some (design – piloting)		
		☐ Largely in Place		
		☐ Fully Completed		
		(Please Check the box)		
		Examples of pilot projects and/or policies	es developed or under de	evelopment - include URLs
		where relevant		
		NOT APPLICA	ABLE	
		Important Actions you will take in 2014		
		Is this Goal relevant for your country?	] Yes □ No	☐ Partially