

Seventh Regional 3R Forum in Asia and the Pacific

“Advancing 3R and Resource Efficiency for the 2030 Agenda for Sustainable Development”

Adelaide, SA, Australia, 2-4 November 2016

Country Report

(Draft)

< Cambodia >

This country report was prepared by the Government of Cambodia as an input for the Seventh 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: Cambodia

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Timeline of Submission: **15 September 2016** (Email: 3R@uncred.or.jp)

Progress and achievements 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 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.

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

Country Name: Cambodia

Email: 3R@uncrd.or.jp

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

Country Name: Cambodia

I. 3R Goals in Urban/Industrial Areas (3Rs in municipal solid waste)	
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.
<i>Q-1 What specific 3R policies, programmes and projects, are implemented to reduce the quantity of municipal solid waste?</i>	
Government National Green Development Policy Spatial Planning	
<i>Q-2 What is the level of participation of households in “source” segregation of municipal waste streams?</i> (Please check the appropriate box)	
<input type="checkbox"/> Average (50~70%)	
<i>Q-3 Total annual government expenditure per capita (US\$ per capita) in municipal solid waste management in 2014-2015</i>	
NA.	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
Technology and capacity of staff	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
Provincial and Municipal mater plans	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i>	
As above	
<i>Is this Goal relevant for your country?</i> <input type="checkbox"/> Highly	

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

Country Name: Cambodia

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

Goal 2 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?

National Green Development Policy
National Industrial Development Policy

Q-2 What is happening to country's organic waste? (Please check the appropriate box)

both landfilled and incinerated

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

Technology and human resource

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

National Spatial Policy
Coastal Development Policy

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

National Housing Policy
National Spatial Policy
Coastal Development Policy

Is this Goal relevant for your country? Highly

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 Type	Very High (>90%)	High (>70%)	Average (50~60%)	Poor (<50%)	Recycling does not exist	Definition of recycling rate*
Paper			+			
Plastic			+			
Metal			+			
Construction waste			+			
e-waste						
others						

**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?

National Housing Policy

National Spatial Policy

Coastal Development Policy

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

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

(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 Type	Every Major City	Few Major Cities only	Does not exist	Supportive policy or programmes exists	No supportive policy or programmes
Paper		+			
Plastic		+			
Metal		+			
Construction waste		+			
e-waste					

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

Country Name: Cambodia

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: Technology, finance	
Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant Some municipal waste management projects	
Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021) A few provincial and municipal master plans	
Is this Goal relevant for your country? <input type="checkbox"/> Highly	

I. 3R Goals in Urban/Industrial Areas (3Rs in municipal solid waste)	
Goal 4	Build sustainable cities /green cities by encouraging “ zero waste ” through sound policies, strategies, institutional mechanisms, and multi - stakeholder partnerships (giving specific importance to private sector involvement) with a primary goal of waste minimization
<i>Q-1 What specific waste management policies and programmes are introduced to encourage private sector participation in municipal waste management?</i>	
A few Capital and municipal waste management policies	
<i>Q-2 What are the major waste management areas that have strong involvement of private and business sector?</i> (Please check appropriate boxes and add other areas if not listed below)	
<input type="checkbox"/> waste collection (Yes) <input type="checkbox"/> resource recovery (Yes) <input type="checkbox"/> waste recycling (Yes) <input type="checkbox"/> waste to energy, composting, etc. (Yes) <input type="checkbox"/> PPP projects in waste sector(Yes)	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
Technology and finance	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
A few municipal and provincial master plans	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i>	
A few municipal and provincial master plans	
<i>Is this Goal relevant for your country?</i> <input type="checkbox"/> Highly	

I. 3R Goals in Urban/Industrial Areas (3Rs in Industrial waste)	
Goal 5	Encourage the private sector , including small-and medium-sized enterprises (SMEs) to implement measures to increase resource efficiency and productivity , creation of decent work and to improve environmentally-friendly practices through applying environmental standards, clean technologies, and cleaner production.
<i>Q-1 What are the major clean technology related policies aiming to increase energy and resource efficiency of SMEs?</i>	
National Green Development Policy National Industrial Development Policy	
<i>Q-2 What are the capacity building programmes currently in place to build the technical capacity of SMEs in 3R areas?</i>	
National Green Development Policy National Industrial Development Policy	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
Technology and finance	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
A few municipal and provincial master plans	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i>	
A few municipal and provincial master plans	
<i>Is this Goal relevant for your country?</i> <input type="checkbox"/> Highly	

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.
<i>Q-1 What percent of companies and industries have introduced green accounting and voluntary environmental performance evaluation (Ref: ISO 14000)?</i>	
<input type="checkbox"/> No data is available yet	
<i>Q-2 What percent of companies and industries have introduced social accounting (Ref: SA 8000) in consultation with their workers?</i>	
<input type="checkbox"/> No data is available yet	
<i>Q 3 Does government have a programme for promoting greening of the value chain? What specific policies, programmes and incentives are introduced to promote greening of value chain?</i>	
National Green Development Policy National Industrial Development Policy National Housing Policy National Spatial Planning Policy	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
Technology and finance	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
n.a.	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i>	
n.a.	
<i>Is this Goal relevant for your country?</i> <input type="checkbox"/> Highly	

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

Country Name: Cambodia

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.
<i>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?</i>	
<p>National Industrial development policy National Green Development policy National spatial planning policy National coastal management policy</p>	
<i>Q-2 How many eco-industrial parks or zones or the like, which is supported by the government, are there in the country?</i>	
n.a.	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
Policy, institution, technology and finance	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
n.a.	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i>	
n.a.	
<i>Is this Goal relevant for your country?</i> <input type="checkbox"/> Highly	

I. 3R Goals in Urban/Industrial Areas (3Rs in Industrial waste)	
Goal 8	Build local capacity 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.
<i>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.?</i>	
Ministry of Industry and Handicraft	
<i>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.?</i>	
n.a.	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
Policy, institution, technology and finance	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
n.a.	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i>	
n.a.	
<i>Is this Goal relevant for your country? <input type="checkbox"/> Highly</i>	

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

Country Name: Cambodia

I. 3R Goals in Urban/Industrial Areas (3Rs in Industrial waste)	
Goal 9	Develop proper classification and inventory of hazardous waste as a prerequisite towards sound management of such waste.
<i>Q-1 Is there a systematic classification of hazardous waste? If so, please attach.</i>	
<input type="checkbox"/> No	
<i>Q-2 What specific rules and regulations are introduced to separate, store, treat, transportation and disposal of hazardous waste?</i>	
Not available (n.a.)	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
Policy, institution, technology and finance	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
Not available (n.a.)	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i>	
Not available	
<i>Is this Goal relevant for your country?</i> <input type="checkbox"/> Highly	

II. 3R Goals in Rural Areas	
Goal 10	Reduce 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.
<i>Q-1 What specific policies, rules and regulations, including awareness programmes, are introduced to minimize food or crop waste?</i>	
No specification between urban and rural, so all the policies and plans mentioned early applied in both urban and rural.	
<i>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?</i>	
Yes lies with the ministry of environment, local authorities and relevant NGOS.	
<i>Q-3 What is the average wastage of crops or agricultural produce between farms to consumers, if there is a study in your country?</i>	
Not available (n.a.)	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
Policy, institution, technology and finance	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
n.a.	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i>	
n.a.	
<i>Is this Goal relevant for your country? <input type="checkbox"/> Highly</i>	

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.
<i>Q-1 How much amount of – (a) agricultural biomass waste and (b) livestock waste are grossly generated per annum?</i>	
n.a.	
<i>Q-2 How are most of the agricultural biomass wastes utilized or treated?</i> (Please <u>check all appropriate boxes</u>)	
<input type="checkbox"/> composts/fertilizers	
<i>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.</i>	
n.a.	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
Policy, institution, technology and finance	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
n.a.	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i>	
n.a.	
<i>Is this Goal relevant for your country?</i> <input type="checkbox"/> Highly	

III. 3R Goals 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.
<i>Q-1 What specific policies and regulations are in place to address the issue of plastic wastes in coastal and marine environment?</i>	
<p>National Coastal Management Policy National Spatial Planning Policy National Green Development Policy</p>	
<i>Q-2 What extent issue of plastic waste is considered in integrated coastal zone management (ICZM)? (Please check the appropriate box)</i>	
<input type="checkbox"/> Very much	
<i>Q-3 Please provide a list of centre of excellences or dedicated scientific and research programmes established to address the impacts of micro-plastic particulates (<5 mm) on coastal and marine species? If yes, please provide relevant websites.</i>	
n.a.	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
Institution, technology and finance	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
n.a.	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i>	
<p>National Coastal Management Policy National Spatial Planning Policy National Green Development Policy</p>	
<i>Is this Goal relevant for your country?</i> <input type="checkbox"/> Highly	

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 applicable	Number in priority order	
		Take to recycling center / resource recovery facilities
		Take to landfill
	1	Take to the retailer
		Take to local charity for re-use
	2	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)?

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

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

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

Policy, institution, technology and finance

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 (2016~2021)

n.a.

Is this Goal relevant for your country? Highly

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.
<i>Q-1 What specific policies and regulations are introduced to prevent illegal import and export of e-waste?</i>	
Central Government Order	
<i>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?</i>	
<input type="checkbox"/> Yes	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
Policy, institution, technology and finance	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
n.a.	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i>	
n.a.	
<i>Is this Goal relevant for your country?</i> <input type="checkbox"/> Highly	

III. 3R Goals for New and Emerging Wastes	
Goal 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 e-waste.
<i>Q-1 What specific Extended Product Responsibility (EPR) policies are enacted or introduced? (If there is none, then skip Q-2 below)</i>	
<i>Q-2 Please provide a list of products and product groups targeted by EPR nationally?</i>	
n.a.	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
Policy, institution, technology and finance	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
n.a.	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i>	
n.a.	
<i>Is this Goal relevant for your country?</i> <input type="checkbox"/> Highly	

III. 3R Goals for New and Emerging Wastes	
Goal 16	Promote the 3R concept in health-care waste management.
<i>Q-1 What specific policies and regulations are in place for healthcare waste management?</i>	
Ministry of environment and ministry of health regulations	
<i>Q-2 What is the total annual government expenditure towards healthcare waste management (US\$ per year)?</i>	
n.a.	
<i>Q-3 List the agencies or authorities responsible for healthcare waste management.</i>	
As above	
<i>Q-4 What is the common practice for disposal of healthcare wastes?</i>	
(Please check the appropriate box and add if any other practice followed)	
<input type="checkbox"/> ordinary landfilling (untreated)	
<input type="checkbox"/> sanitary landfilling (treated)	
<input type="checkbox"/> Low cost small scale incineration (do not meet air emission standards)	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
Policy, institution, technology and finance	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
n.a.	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i>	
n.a.	
<i>Is this Goal relevant for your country?</i> <input type="checkbox"/> 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.
<i>Q-1 What specific policies and guidelines are introduced for product standard (towards quality/durability, environment/eco-friendliness, labour standard)?</i>	
National Green Development Policy National Industrial Development Policy	
<i>Q-2 What specific energy efficiency schemes are introduced for production, manufacturing and service sector?</i>	
n.a.	
<i>Q-3 What specific policies are introduced to create green jobs in product and waste sector?</i>	
n.a.	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
Policy, institution, technology and finance	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
n.a.	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i>	
n.a.	
<i>Is this Goal relevant for your country?</i> <input type="checkbox"/> Highly	

IV. 3R Goals 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.
<i>Q-1 Please share how climate mitigation is addressed in waste management policies and programmes for co-benefits?</i>	
National Green Development Policy National Industrial Development Policy	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i> Policy, institution, technology and finance	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i> n.a.	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i> n.a.	
<i>Is this Goal relevant for your country?</i> <input type="checkbox"/> Highly	

IV. 3R Goals for Cross-cutting Issues	
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.
<i>Q-1 What specific policies are introduced to encourage triangular cooperation between government, scientific & research institutions and private/business sector in 3R areas?</i>	
National Green Development Policy National Industrial Development Policy	
<i>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.)?</i>	
n.a.	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
institutional, technological and financial	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
n.a.	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i>	
n.a.	
<i>Is this Goal relevant for your country?</i> <input type="checkbox"/> Highly	

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.
<p>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)</p> <p> <input type="checkbox"/> NGOs <input type="checkbox"/> Industrial Association <input type="checkbox"/> Local Government <input type="checkbox"/> Academic Institution </p>	
<p>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)</p> <p><input type="checkbox"/> Moderate</p>	
<p>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)</p> <p><input type="checkbox"/> Low</p>	
<p>Challenges (policy/ institutional/ technological/ financial) faced in implementation: Policy, institutional, technological and financial</p>	
<p>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant n.a.</p>	
<p>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021) n.a.</p>	
<p>Is this Goal relevant for your country? <input type="checkbox"/> Highly</p>	

IV. 3R Goals for Cross-cutting Issues	
Goal 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.
<i>Q-1 Provide a list of formal programmes that addresses areas of 3R and resource efficiency as part of the academic curriculum?</i>	
n.a.	
<i>Q-2 Please provide an overview of the Government policies and programmes to promote community learning and development (non-formal education) on 3R and sustainable waste management.</i>	
n.a.	
<i>Q-3 Please provide a list of academic and research institutions offering PhD programmes in the areas of 3Rs and resource efficiency?</i>	
n.a.	
<i>Q-4 Please provide a list of management institutions (offering BBA / MBA courses) which have integrated resource efficiency and life cycle assessment (LCA) as part of their curriculum or course development?</i>	
n.a.	
Challenges (policy/ institutional/ technological/ financial) faced in implementation: Policy, institutional, technological and financial	
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 (2016~2021)	
n.a.	
Is this Goal relevant for your country? <input type="checkbox"/> Highly	

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.
<i>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.</i>	
Ministry of Environment Ministry of Land Management, Urban Planning and Construction Ministry of Industry	
<i>Q-2 What type of coordination mechanism are there among ministries and agencies for a resource efficient economic development?</i>	
<input type="checkbox"/> Official regular coordination meeting among ministries and agencies	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
Policy, institutional, technological and financial	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
A few provincial and municipal master plans	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i>	
As above	
<i>Is this Goal relevant for your country?</i> <input type="checkbox"/> Highly	

IV. 3R Goals for Cross-cutting Issues	
Goal 23	Promote green and socially responsible procurement at all levels, thereby creating and expanding 3R industries and markets for environmentally-friendly goods and products.
<i>Q-1 What specific policies are introduced to promote green and social responsible procurement?</i>	
n.a.	
<i>Q-2 Please provide details of eco-labelling schemes of your country.</i>	
n.a.	
<i>Q-3 Please provide a list of criteria for eco-labeled products and services in your country.</i>	
n.a. or may be some guidelines required with the above relevant ministries.	
<i>Q-4 Please provide the list of Ministries and major Government Agencies which have adopted green procurement policy.</i>	
As above	
<i>Q-5 What % of municipalities have adopted the green procurement policy?</i>	
n.a.	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
Policy, institutional, technological and financial	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
A few provincial and municipal master plans	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i>	
As above	
<i>Is this Goal relevant for your country?</i> <input type="checkbox"/> Highly	

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.
<i>Q-1 Are there any government subsidy programmes that directly or indirectly favour unsustainable use of resources (raw materials, water, and energy)? If so, please provide a list of such programmes along with the responsible Ministry or Agency administering and implementing it.</i>	
There are some stipulations in the mentioned policies above.	
Challenges (policy/ institutional/ technological/ financial) faced in implementation: Policy, institutional, technological and financial	
Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant As mentioned above	
Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021) As above	
Is this Goal relevant for your country? <input type="checkbox"/> Highly	

IV. 3R Goals 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.
<i>Q-1 Is waste management a public health priority in your country?</i>	
yes	
<i>Q-2 What are the rules and regulations to prevent open dumping and open burning of waste?</i>	
Local regulations and fines	
<i>Q-3 Rank the five most important rivers in terms of water quality (BOD values) passing through major cities and urban areas?</i>	
Mekong River Tonle Sap river And many more tributaries.	
<i>Q-4 What are the specific laws, rules and regulations in place to prevent littering in river and water bodies?</i>	
Ministry of Water Resource and Meteorology regulation.	
<i>Q-5 What are the specific laws, rules and regulations in place to prevent marine littering?</i>	
As above and local government regulations	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
Policy, institutional, technological and financial	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
n.a.but there are stipulations in the master plans	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i>	
n.a.	
<i>Is this Goal relevant for your country?</i> <input type="checkbox"/> Highly	

IV. 3R Goals for Cross-cutting Issues	
Goal 26	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.
<i>Q-1 What are major recycling industries in your country?</i>	
n.a.	
<i>Q-2 Please specify the regulation on transboundary movement of hazardous waste.</i>	
Ministry of environment regulation and above mentioned policies.	
<i>Q-3 If your government has restriction on import of non-hazardous waste or quality control of non-hazardous waste, please list it up.</i>	
As mentioned in above policies.	
<i>Q-4 Does your government restrict import of remanufactured goods?</i>	
Central government policy	
<i>Q-5 Does your government regard remanufactured goods as secondhand goods, and regulate it as secondhand goods?</i>	
Central government policy	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
Policy, institutional, technological and financial	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
n.a.	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i>	
n.a.	
<i>Is this Goal relevant for your country?</i> <input type="checkbox"/> Highly	

IV. 3R Goals for Cross-cutting Issues

Goal 27 Promote data collection, compilation and sharing, public announcement and application of statistics on wastes and the 3Rs, to understand the state of waste management and resource efficiency.

Q-1 Please give an overview on availability of various data and information on material flow and waste management by checking (X or ✓) the appropriate boxes. (Please respond on both "Data Availability" and Monitoring Base")

Data Type	Data Availability			Monitoring Base	
	Good	Very limited	No data exist	Good	Not good
Waste generation		x			
Material flow		x			
Cyclical use			x		
Amount of final disposal		x			
Disposal to land	x				
Direct disposal to water			x		
Import of waste			x		
Export of waste			x		
Total landfilled waste		x			
Import of recyclables			x		
Export of recyclables			x		
Hazardous waste generation (solid, liquid, sludge, etc.)			x		
e-waste generation			x		

(Please add any other data 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?

n.a.

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

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 (2016~2021)

n.a.

Is this Goal relevant for your country? Highly

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.
<i>Q-1 What are the government policies and programmes, including incentives, for waste-to-energy programmes?</i>	
<i>In above mentioned policies</i>	
Challenges (policy/ institutional/ technological/ financial) faced in implementation: Policy, institutional, technological and financial	
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 (2016~2021) n.a.	
Is this Goal relevant for your country? <input type="checkbox"/> Highly	

IV. 3R Goals for Cross-cutting Issues	
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.
<i>Q-1 Please provide a list of on-going bilateral/multi-lateral technical cooperation in 3R areas?</i>	
GGI	
<i>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?</i>	
n.a.	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
Policy, institutional, technological and financial	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
n.a.	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i>	
Is still in pipeline	
<i>Is this Goal relevant for your country?</i> <input type="checkbox"/> Highly	

IV. 3R Goals for Cross-cutting Issues	
Goal 30	Pay special attention to issues and challenges faced by developing countries including SIDS in achieving sustainable development.
<i>Q-1 Please describe any past and on-going cooperation with SIDS (Small Island Developing States) countries in 3R areas.</i>	
n.a.	
<i>Q-2 Please list 3R related projects linked to climate change, biodiversity, disaster management and sustainable tourism. (This is <u>to be reported by SIDS countries only</u>)</i>	
n.a.	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
Policy, institution, technology and finance	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
n.a.	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i>	
n.a.	
<i>Is this Goal relevant for your country?</i> <input type="checkbox"/> Highly <input type="checkbox"/> Partially <input type="checkbox"/> Not at all	

IV. 3R Goals for Cross-cutting Issues	
Goal 31	Promote 3R + “Return” concept which stands for Reduce, Reuse, Recycle and “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.
<i>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)</i>	
n.a.	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
Policy, institution, technology and finance	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
n.a.	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i>	
n.a.	
<i>Is this Goal relevant for your country? <input type="checkbox"/> Highly</i>	

IV. 3R Goals for Cross-cutting Issues	
Goal 32	Complete elimination of illegal engagement of children in the informal waste sector and gradually improve the working conditions and livelihood security, including mandatory provision of health insurance , for all workers.
<i>Q-1 What is the approximate market size (in US\$) of the informal waste sector?</i>	
n.a.	
<i>Q-2 Number of annual labor inspections in waste sector?</i>	
n.a.	
<i>Q-3 Is health insurance a mandatory to all informal workers in waste sector by law?</i>	
n.a.	
<i>Q-4 What specific policies and enforcement mechanisms are in place to prevent illegal engagement of children in waste sector?</i>	
n.a.	
<i>Q-5 Number of landfill sites accessible to register waste pickers?</i>	
n.a.	
<i>Q-6 Average life span of informal waste workers?</i>	
n.a.	
<i>Q-7 Any government vaccination programmes for informal waste workers?</i>	
n.a.	
<i>Q-8 Any public awareness programmes for informal waste workers on health and safety measures?</i>	
n.a.	
Challenges (policy/ institutional/ technological/ financial) faced in implementation:	
Policy, institution, technology and finance	
Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant	
As mentioned above	
Important policies/programs/projects/master plans the government plans to undertake within next five years (2016~2021)	
n.a.	
Is this Goal relevant for your country? <input type="checkbox"/> Highly	

IV. 3R Goals for Cross-cutting Issues	
Goal 33	Promote 3Rs taking into account gender considerations.
<i>Q-1 Please give a brief assessment on how the national, provincial and municipal governments incorporate gender considerations in waste reduction, reuse and recycle.</i>	
Gender mainstreaming policy	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i> Policy, institution, technology and finance	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i> n.a.	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i> n.a.	
<i>Is this Goal relevant for your country?</i> <input type="checkbox"/> Highly	