

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)

<Viet Nam>

This country report was prepared by the Government of Viet Nam 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: VIET NAM

Name, Designation and Organization Respondent:

Ministry of Natural resources & Environment
Other Ministries, Organizations, Agencies contributing to Country
Report:

Timeline of Submission: 15 September 2016 (Email:
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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.

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

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,
Q-1 What specific 3R policies, programmes and projects, are implemented to reduce the quantity of municipal solid waste?	
<p>- Law of Environmental Protection 2014.</p> <p>- Decree No.38/2015/ND-CP dated 24th April 2015 on waste and scrap management (general regulation on reduction, waste separation at sources).</p> <p>- Pilot 3R project funded by JICA was implemented in Hanoi city (2006-2009) and some pilot project were implemented in Ho Chi Minh city, Thua Thien Hue, Lao Cai.</p>	
Q-2 What is the level of participation of households in "source" segregation of municipal waste streams? (Please check the appropriate box)	
<p><input type="checkbox"/> Very High (> 90%)</p> <p><input type="checkbox"/> High (>70%)</p> <p><input type="checkbox"/> Average (50--70%)</p> <p><input type="checkbox"/> Low or not satisfactory (< 50%)</p> <p><input checked="" type="checkbox"/> Does not exist</p>	
Q-3 Total annual government expenditure per capita (US\$ per capita) in municipal solid waste management in 2014-2015	
N/A	
Challenges (policy/institutional/ technological/financial) faced in implementation:	
<p>- Equipment/technology is backward and lack of uniformity</p> <p>- Financial support is usually for small projects</p>	
Examples of pilot projects, master plans and/or policies developed or under development — include websites where relevant:	
<p>- The project "Implementation of the 3R Initiative in Hanoi" was implemented by URENCO. Some households in the 4 districts (Hoan Kiem, Hai Ba Trung, Ba Dinh, Dong Da) were separated the organic waste at source from 2007-2010.</p> <p>- Ho Chi Minh City has implemented a pilot program of solid waste separation at source since 2008. The program is continued from 2011-2015, There are 06 pilot districts implemented (including District 1, 3, 5, 6, 12 and Binh Thanh District).</p>	
Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)	
Decision 2149/2009/QD-TTg dated 17th December 2009 of the Prime Minister on ratifying the National Strategy for integrated management of solid waste to 2015, with a vision to 2050.	
Decision 1216/2012/QD-TTg dated 5th September 2012 of the Prime Minister on ratifying the National Strategy on Environmental Protection to 2020, with a vision to 2030.	

Decision No. 166/QĐ-TTg dated 21 January 2014 of the Prime Minister on issuing the plan for implementation of national environmental protection strategy by 2020, with a vision to 2030.

Is this Goal relevant for your country?

Highly

Partially

Not at all

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??

- Decree No.04/2009/ND-CP dated 14th January 2009 on providing for incentives and supports for environmental protection activities the government
- Decree No. 69/2008/ND-CP dated 30 May 2008 on the policies to encourage the socialization of activities in the fields of education, vocational training, health, culture, sports, and environment
- Decree No.59/2014/ND-CP dated 16th June 2014 on the amendment and supplement to a number of articles of Decree No. 69/2008/ND-CP dated 30 May 2008 on the policies to encourage the socialization of activities in the fields of education, vocational training, health, culture, sports, and environment

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

- mostly landfilled
- mostly incinerated
- both landfilled and incinerated
- mostly open dumped or open burned

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

- Lack of detail policies, action plans, regulations on 3R
- Awareness improvement is only for general issues of environment protection, not detail for 3R activities
- Lack of administrative or criminal sanctions on 3R violation.
- Equipment/technology is backward and lack of uniformity
- Financial support is usually for small projects

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)

Decision 2149/2009/QD-TTg dated 17th December 2009 of the Prime Minister on ratifying the National Strategy for integrated management of solid waste to 2015, with a vision to 2050.
Decision 1216/2012/QD-TTg dated 5th September 2012 of the Prime Minister on ratifying the National Strategy on Environmental Protection to 2020, with a vision to 2030.

Decision No. 166/QD-TTg dated 21 January 2014 of the Prime Minister on issuing the plan for implementation of national environmental protection strategy by 2020, with a vision to 2030.

Is this Goal relevant for your country?

Highly

Partially

Not at all

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

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

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 exist	not exist	Definition of recycling rate*
Paper	x						1
Plastic	x						1
Metal	x						1
Construction waste					x		2
e-waste		x					1
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?

N/A

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 exist	not exist
Paper		x				
Plastic		x				
Metal		x				
Construction waste				x		
e-waste		x				

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 programmes	No or supportive policy
Paper		x			
Plastic		x			
Metal		x			
Construction waste		x			
e-waste		x			

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

Almost recyclable waste are recycled at small scale facilities in craft villages.

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)

Decision 2149/2009/QD-TTg dated 17th December 2009 of the Prime Minister on ratifying the National Strategy for integrated management of solid waste to 2015, with a vision to 2050.

Decision 1216/2012/QD-TTg dated 5th September 2012 of the Prime Minister on ratifying the National Strategy on Environmental Protection to 2020, with a vision to 2030.

Decision No. 166/QD-TTg dated 21 January 2014 of the Prime Minister on issuing the plan for implementation of national environmental protection strategy by 2020, with a vision to 2030.

Is this Goal relevant for your country?

Highly

Partially

Not at all

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**

Q-1 *What specific waste management policies and programmes are introduced to encourage private sector participation in municipal waste management*

- Decree No. 69/2008/NDCP dated 30 May 2008 on the policies to encourage the socialization of activities in the fields of education, vocational training, health, culture, sports, and environment

- Decree No.59/2014/ND-CP dated 16th June 2014 on the amendment and supplement to a number of articles of Decree No. 69/2008/NDCP dated 30 May 2008 on the policies to encourage the socialization of activities in the fields of education, vocational training, health, culture, sports, and environment

- Decree No.38/2015/ND-CP dated 24th April 2015 in waste and scrap management

Q-2 What are the major waste management areas that have strong involvement of private and business sector? (Please check appropriate boxes and add other areas if not listed below)

- waste collection
- resource recovery
- waste recycling
- waste to energy, composting, etc.
- PPP projects in waste sector

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

- Equipment/technology is backward and lack of uniformity
- Financial support is usually for small projects

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)

Decision 2149/2009/QD-TTg dated 17th December 2009 of the Prime Minister on ratifying the National Strategy for integrated management of solid waste to 2015, with a vision to 2050.

Decision 1216/2012/QD-TTg dated 5th September 2012 of the Prime Minister on ratifying the National Strategy on Environmental Protection to 2020, with a vision to 2030.

Decision No. 166/QD-TTg dated 21 January 2014 of the Prime Minister on issuing the plan for implementation of national environmental protection strategy by 2020, with a vision to 2030.

Is this Goal relevant for your country?

- Highly** *Partially* *Not at all*

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.

Q-1 What are the major clean technology related policies aiming to increase energy and resource efficiency of SMEs?

Pollution prevention and waste reduction at source

Q-2 What are the capacity building programmes currently in place to build the technical capacity of SMEs in 3R areas

N/A

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

- Equipment/technology is backward and lack of uniformity
- Financial support is limited.

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)

Decision 2149/2009/QD-TTg dated 17th December 2009 of the Prime Minister on ratifying the National Strategy for integrated management of solid waste to 2015, with a vision to 2050.

Decision 1216/2012/QD-TTg dated 5th September 2012 of the Prime Minister on ratifying the National Strategy on Environmental Protection to 2020, with a vision to 2030.

Decision No. 166/QD-TTg dated 21 January 2014 of the Prime Minister on issuing the plan for implementation of national environmental protection strategy by 2020, with a vision to 2030.

Is this Goal relevant for your country?

Highly

Partially

Not at all

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.
Q-1 What percent of companies and industries have introduced green accounting and voluntary environmental performance evaluation (Ref: ISO 14000)?	
<input type="checkbox"/> Very High (> 90%) <input type="checkbox"/> High (>70%) <input type="checkbox"/> Average (50--70%) <input checked="" type="checkbox"/> Low or not satisfactory (< 50%) <input type="checkbox"/> None	
Q-2 What percent of companies and industries have introduced social accounting (Ref: SA 8000) in consultation with their workers?	
<input type="checkbox"/> Very High (> 90%) <input type="checkbox"/> High (>70%) <input type="checkbox"/> Average (50--70%) <input checked="" type="checkbox"/> Low or not satisfactory (< 50%) <input type="checkbox"/> None	
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?	
N/A	
Challenges (policy/ institutional/ technological/financial) faced in implementation:	
Lack of financial support.	
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)	
Decision 2149/2009/QD-TTg dated 17th December 2009 of the Prime Minister on ratifying the National Strategy for integrated management of solid waste to 2015, with a vision to 2050.	
Decision 1216/2012/QD-TTg dated 5th September 2012 of the Prime Minister on ratifying the National Strategy on Environmental Protection to 2020, with a vision to 2030.	
Decision No. 166/QD-TTg dated 21 January 2014 of the Prime Minister on	

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>	
N/A	
<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>	
Lack of financial support.	
<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>	
Decision 2149/2009/QD-TTg dated 17th December 2009 of the Prime Minister on ratifying the National Strategy for integrated management of solid waste to 2015, with a vision to 2050.	
Decision 1216/2012/QD-TTg dated 5th September 2012 of the Prime Minister on ratifying the National Strategy on Environmental Protection to 2020, with a vision to 2030.	
Decision No. 166/QD-TTg dated 21 January 2014 of the Prime Minister on issuing the plan for implementation of national environmental protection strategy by 2020, with a vision to 2030.	
<i>Is this Goal relevant for your country?</i>	
<input type="checkbox"/> Highly <input type="checkbox"/> Partially <input checked="" type="checkbox"/> Not at all	

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>	
N/A	
<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>	
Lack of financial support.	
<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>	
Decision 2149/2009/QD-TTg dated 17th December 2009 of the Prime Minister on ratifying the National Strategy for integrated management of solid waste to 2015, with a vision to 2050.	
Decision 1216/2012/QD-TTg dated 5th September 2012 of the Prime Minister on ratifying the National Strategy on Environmental Protection to 2020, with a vision to 2030.	
Decision No. 166/QD-TTg dated 21 January 2014 of the Prime Minister on issuing the plan for implementation of national environmental protection strategy by 2020, with a vision to 2030.	
<i>Is this Goal relevant for your country?</i>	
<input type="checkbox"/> Highly <input checked="" type="checkbox"/> Partially <input type="checkbox"/> Not at all	

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
Q-1 Is there a systematic classification of hazardous waste? If so, please attach	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No See Annex 1 attached with the list of hazardous waste of Circular No.36/2015/TT-BTNMT	
Q-2 What specific rules and regulations are introduced to separate, store, treat, transportation and disposal of hazardous waste?	
Circular No.36/2015/TT-BTNMT dated 30 June 2015 of the Minister of Natural Resources and Environment regulates on hazardous waste management	
Challenges (policy/ institutional/ technological/financial) faced in implementation:	
<ul style="list-style-type: none"> - Equipment/technology is backward and lack of uniformity - Financial support is limited. 	
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)	
Decision 2149/2009/QD-TTg dated 17th December 2009 of the Prime Minister on ratifying the National Strategy for integrated management of solid waste to 2015, with a vision to 2050.	
Decision 170/QD-TTg dated 8th February 2012 of the Prime Minister on approving the master plan for the treatment system of hazardous medical solid waste to 2025.	
Decision 1216/2012/QD-TTg dated 5th September 2012 of the Prime Minister on ratifying the National Strategy on Environmental Protection to 2020, with a vision to 2030.	
Decision No. 166/QD-TTg dated 21 January 2014 of the Prime Minister on issuing the plan for implementation of national environmental protection strategy by 2020, with a vision to 2030.	
Is this Goal relevant for your country?	
<input checked="" type="checkbox"/> Highly <input type="checkbox"/> Partially <input type="checkbox"/> Not at all	

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>	
N/A	
<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>	
N/A	
<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>	
N/A	
<input type="checkbox"/> Very High (> 20~ 30%) <input type="checkbox"/> High (10~20%) <input type="checkbox"/> Medium (5~10%) <input type="checkbox"/> Low (< 5%) <input type="checkbox"/> Negligible (<1%)	
<i>Challenges (policy/ institutional/ technological/financial) faced in implementation:</i>	
N/A	
<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 checked="" type="checkbox"/> Partially <input type="checkbox"/> Not at all	

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?*

N/A

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*

N/A

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

N/A

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

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

Partially

Not at all

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>	
N/A	
<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 <input type="checkbox"/> Somehow <input checked="" type="checkbox"/> Not at all	
<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>	
N/A	
<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 checked="" type="checkbox"/> Partially <input type="checkbox"/> Not at all	

III. 3R Goals for New and Emerging Wastes

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

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

Waste is prohibited from importing for any purpose by Law on Environmental Protection in 2014 (Item 9 Article 7 of the law).

Registration of exporting hazardous waste: Article 22 and Appendix 8A of Circular No 36 and The Basel Convention.

Q-2 *Do you have required number of well-trained custom or other officials (for airport sea-port, land border control, etc.) to track illegal export and import of e-waste?*

Yes No

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

Difficulty in handling the founded illegal shipments, particularly returning illegally imported waste because the export country don't respond or is not a Basel Party.

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 Partially Not at all

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
Q-1 What specific Extended Product Responsibility (EPR) policies are enacted or introduced? (If there is none, then skip Q-2 below)	
Decision No. 16/2015/QD-TTg dated 22 May 2015 of the Prime Minister regulating on take-back and treatment of discarded products	
Q-2 Please provide a list of products and product groups targeted by EPR nationally?	
<ol style="list-style-type: none"> 1. Battery and battery cell 2. Electronic, civil and industrial electric equipment (such as compact bulbs, computer, printer, mobile phone, television, refrigerator, etc.) 3. Lubricant, grease 4. Inner tube, tyre 5. Means of transport (including motorcycle, automobile of all kinds) 	
Challenges (policy/institutional/technological/financial) faced in implementation:	
No guiding circular is promulgated.	
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 checked="" type="checkbox"/> Highly <input type="checkbox"/> Partially <input type="checkbox"/> Not at all	

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? Joint Circular No. 58/2015/BYT-BTNMT TTLT dated 31 December 2015 regulating on medical waste management	
Q-2 What is the total annual government expenditure towards healthcare waste management (US\$ per year)? N/A	
Q-3 List the agencies or authorities responsible for healthcare waste management Ministry of Health, Ministry of Natural Resources and Environment and provincial departments.	
Q-4 What is the common practice for disposal of healthcare wastes? (Please check the appropriate box and add if any other practice followed) <input type="checkbox"/> open dumping (untreated) <input checked="" type="checkbox"/> open burning (untreated) <input checked="" type="checkbox"/> ordinary landfilling (untreated) <input type="checkbox"/> sanitary landfilling (treated) <input checked="" type="checkbox"/> Low cost small scale incineration (do not meet air emission standards) <input checked="" type="checkbox"/> Highly controlled air incineration (dedicated/modern medical waste incinerators) <input type="checkbox"/> Other methods (please specify names:	
Challenges (policy/ institutional/ technological/financial) faced in implementation: Medical facilities in remote areas are inaccessible for collection and treatment.	
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 checked="" type="checkbox"/> Highly <input type="checkbox"/> Partially <input type="checkbox"/> Not at all	

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>	
N/A	
<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>	
<i>Challenges (policy/ institutional/ technological/financial) faced in implementation:</i>	
N/A	
<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 checked="" type="checkbox"/> Not at all	

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
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Q-1 What specific policies are introduced to encourage triangular cooperation between government, scientific & research institutions and private/business sector in 3R areas?

N/A

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.)?

N/A

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

N/A

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

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

Partially

Not at all

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>N/A</p> <p> <input type="checkbox"/> NGOs <input type="checkbox"/> Industrial Association <input type="checkbox"/> Local Government <input type="checkbox"/> Academic Institution <input type="checkbox"/> Others, please add/specify () </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"/> Very high Negligible <input type="checkbox"/> Moderate <input checked="" type="checkbox"/> Low <input type="checkbox"/> Almost </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"/> Very high Negligible <input type="checkbox"/> Moderate <input checked="" type="checkbox"/> Low <input type="checkbox"/> Almost </p>	
<p>Challenges (policy/ institutional/ technological/financial) faced in implementation:</p> <p>N/A</p>	
<p>Examples of pilot projects, master plans and/or policies developed or under development — include websites where relevant</p> <p>N/A</p>	
<p>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</p> <p>N/A</p>	
<p>Is this Goal relevant for your country?</p> <p> <input type="checkbox"/> Highly <input checked="" type="checkbox"/> Partially <input type="checkbox"/> Not at all </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	
<i>Challenges (policy/ institutional/ technological/financial) faced in implementation:</i>	
N/A	
<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 checked="" type="checkbox"/> Partially <input type="checkbox"/> Not at all	

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>	
<i>Ministry of Natural Resource and Environment</i> <i>Ministry of Construction</i> <i>Ministry of Health</i> <i>Ministry of Industry and Trade</i>	
<i>Q-2 What type of coordination mechanism are there among ministries and agencies for a resource efficient economic development?</i>	
<input checked="" type="checkbox"/> Official regular coordination meeting among ministries and agencies <input type="checkbox"/> Official ad-hoc coordination meeting among ministries and agencies <input type="checkbox"/> Informal meeting among ministries and agencies <input type="checkbox"/> Other coordination mechanisms (please add/specify)	
<i>Challenges (policy/institutional/technological/financial) faced in implementation:</i>	
Collaboration among relevant national authorities from central to local level is not always smooth and effective.	
<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 checked="" type="checkbox"/> Partially <input type="checkbox"/> Not at all	

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	
<i>Q-4 Please provide the list of Ministries and major Government Agencies which have adopted green procurement policy</i>	
Ministry of Industry and Trade	
<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>	
N/A	
<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 checked="" type="checkbox"/> Partially <input type="checkbox"/> Not at all	

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>	
N/A	
<i>Challenges (policy/ institutional/ technological/financial) faced in implementation:</i>	
N/A	
<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 checked="" type="checkbox"/> Partially <input type="checkbox"/> Not at all	

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
Q-1 Is waste management a public health priority in your country?	
Yes	
Q-2 What are the rules and regulations to prevent open dumping and open burning of waste?	
Law of Environment Protection 2014 Decree 38/2015/ND-CP	
Q-3 Rank the five most important rivers in terms of water quality (BOD values) passing through major cities and urban areas?	
Norther area	
Red river	
Nhue-Day river	
Cau river	
Southern area	
Dong Nai river	
Mekong river	
Q-4 What are the specific laws, rules and regulations in place to prevent littering in river and water bodies?	
N/	
Q-5 What are the specific laws, rules and regulations in place to prevent marine littering?	
Law of Marine Environmental Protection 2015	
Challenges (policy/ institutional/ technological/financial) faced in implementation:	
N/A	
Examples of pilot projects, master plans and/or policies developed or under development — include websites where relevant	
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 <input checked="" type="checkbox"/> Partially <input type="checkbox"/> Not at all	

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
Q-1 What are major recycling industries in your country? <i>Hazardous waste recycling</i>	
Q-2 Please specify the regulation on transboundary movement of hazardous waste <i>Circular 36/2015/TT-BTNMT dated 30/6/2015 on hazardous waste management</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 No import waste from abroad.	
Q-4 Does your government restrict import of remanufactured goods? Some	
Q-5 Does your government regard remanufactured goods as secondhand goods, and regulate it as secondhand goods? No	
Challenges (policy/ institutional/ technological/financial) faced in implementation: N/A	
Examples of pilot projects, master plans and/or policies developed or under development — include websites where relevant 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 checked="" type="checkbox"/> Highly <input type="checkbox"/> Partially <input type="checkbox"/> Not at all	

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 S) 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			x
Material flow		x			x
Cyclical use		x			x
Amount of final disposal	x				x
Disposal to land		x			x
Direct disposal to land		x			x
Import of waste	x				x
Export of waste	x				x
Total landfilled waste	x				x
Import of recyclables		x			x
Export of recyclables		x			x
Hazardous waste generation (solid)		x			x
e-waste generation			x		x

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

Project "Developing waste database in Vietnam" started in 2016 in 3 years

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

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

Partially

Not at all

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?	
Decision No. 31/2014/QĐ-TTg dated May 05, 2014 of the Prime Minister on supporting mechanism for development of power generation projects using solid waste in Vietnam	
<i>Challenges (policy/institutional/technological/financial) faced in implementation:</i> N/A	
<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 checked="" type="checkbox"/> Highly <input type="checkbox"/> Partially <input type="checkbox"/> Not at all	

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

JICA

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?

N/A

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

N/A

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

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

Partially

Not at all

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 to be reported by SIDS countries only)</i>	
N/A	
<i>Challenges (policy/institutional/technological/financial) faced in implementation:</i>	
N/A	
<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 checked="" type="checkbox"/> Partially <input type="checkbox"/> Not at all	

IV. 3R Goals for Cross-cutting Issues	
Goal 3I	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>	
N/A	
<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 checked="" type="checkbox"/> Partially <input type="checkbox"/> Not at all	

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>	
N/A	
<i>Challenges (policy/ institutional/ technological/financial) faced in implementation:</i>	
N/A	
<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 checked="" type="checkbox"/> Not at all	

