

Ninth Regional 3R Forum in Asia and the Pacific

“3R as a way for moving towards sufficiency economy – Implications for SDGs”

4-6 March 2019, Bangkok, Thailand

Country Report

(Draft)

<Indonesia>

This country report was prepared by the Government of Indonesia as an input for the Ninth 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:

Name, Designation and Organization Respondent:

Other Ministries, Organizations, Agencies contributing to
Country Report:

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3R@uncrd.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.

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

1. Minister of Environment and Forestry Decree number 13 Year 2012 regarding Guideline for 3R Implementation through Waste Bank
2. Presidential Decree number: 97 Year 2017 regarding National Policy and Strategy on Households Waste and Waste Liked-Household Management

Programmes: Waste Bank Program, Adipura Program (Clean City Program), Adiwiyata Program (Green School Program), PROPER (Green Industries Program)

- Promoting & implementing of 3R program through Bank Sampah (Waste Bank) mechanism.
- Promoting & implementing EPR Policy.
- Promoting & implementing community-based composting (individual, neighbourhood, and TPS3R)
- Promoting and implementing recycling by building and operating recycling centre facility

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

- Very High (> 90%)
 High (>70%)
 Average (50-~70%)
 Low or not satisfactory (< 50%)
 Does not exist

Q-3 Total annual government expenditure per capita (US\$ per capita) in municipal solid waste management in 2014-2015

Fast growth of 3R programme through bank sampah (Waste bank)

- Approximately 3% waste reduction
- IDR 2,500,000,000/Month
- 209,000 members of Bank Sampah (Waste Bank)
- 7,488 Bank Sampah (Waste Bank)

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

Lack of local budget from cities

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

- Finalising Government Regulation concerning Specific Solid Waste Management
- Each cities (514) has obligation to provide the local policy and strategy on Households Waste and Waste Liked-Household Management, and now still on progress
- Indonesia still build and develop national solid waste data system
- Project for Solid Waste Management in Destination Area: Toba Lake, Labuhan Bajo Area

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

Country Name INDONESIA

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.
<ul style="list-style-type: none"> • EPR Modelling in Bali for reducing plastic and carton packaging waste by building collaboration between national government, local governments, producers (Aqua Danone and TetraPak Indonesia), retailer, recycling industries, Bank Sampah, and community • Implementing SINGLE USE PLASTIC BAG FEE policy for modern retails and shops 	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i>	
<ul style="list-style-type: none"> • Presidential Regulation on National Policy and Strategy on Solid Waste Management 2016-2025 • Implementing 10-yearly roadmap for EPR Policy promotion and implementation 2013-2022 • Advocacy for local government (both executive and policy maker) • Technical support for institutional establishment • Ministerial Regulation on Plastic Bag Reduction • Ministerial Regulation on 3R Program through Bank Sampah (Waste Bank) 	
<i>Is this Goal relevant for your country?</i> <input checked="" type="checkbox"/> Highly <input type="checkbox"/> Partially <input type="checkbox"/> 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.
<i>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?</i>	
<ul style="list-style-type: none"> • Promoting and implementing composting at household and community scale. • Promoting and implementing bio-digester at household and community scale. • Promoting and implementing compost utilisation for organic urban farming, • Providing and operating composting facilities at neighbourhood and sub-district scale. • Providing and operating Methan capture at the control/sanitary land fill for electricity/gas production • Implementing the Presidential Regulation number 35 Year 2018 Regarding Acceleration of Development of Waste Processing Installation Become Environmental Technology Based on Environmental Engineering 	
<i>Q-2 What is happening to country's organic waste?</i> (Please check the appropriate box)	
<input checked="" type="checkbox"/> mostly landfilled <input type="checkbox"/> mostly incinerated <input type="checkbox"/> both landfilled and incinerated <input type="checkbox"/> mostly open dumped or open burned	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i> Need more financial support and information of best available technology of waste bank	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i> Indonesia build and develop solid waste data system	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i> <ul style="list-style-type: none"> • 10 Year Road map on EPR and Plastic Waste • Government Regulation on Specific Waste • Local Policy and Strategy on Solid Waste Management • Agreement with Fertilize Industries and Agriculture Sector 	
<i>Is this Goal relevant for your country?</i> <input checked="" type="checkbox"/> Highly <input type="checkbox"/> Partially <input type="checkbox"/> 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 not exist	Definition of recycling rate*
Paper				✓		1
Plastic				✓		1
Metal				✓		1
Construction waste					✓	1
e-waste				✓		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?

- Implementing public awareness with communication, information, and education programme
- Promoting & implementing EPR Policy
- Promoting & implementing of Bank Sampah (Waste Bank)
- Promoting and implementing recycling by building and operating recycling centre facility

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 INDONESIA

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: Need more participating of public private partnership of recycling programme	
Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant	
Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021) 10 Year Roadmap on EPR and Plastic Waste Minister Regulation on Waste Bank	
Is this Goal relevant for your country? <input checked="" type="checkbox"/> Highly <input type="checkbox"/> Partially <input type="checkbox"/> 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
<i>Q-1 What specific waste management policies and programmes are introduced to encourage private sector participation in municipal waste management?</i>	
<ol style="list-style-type: none"> 1. Implementing PROGRAM ADIPURA (Clean City Program), city performance evaluation programme in Indonesia 2. 3R programme through waste bank mechanism 3. EPR programme 4. Single use plastic bag fee programme with modern retail shops 5. Providing drop box for Specific waste 6. Empowering Waste bank as a dropping box 7. Involvement of the private sector in assisting and developing waste banks 	
<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)	
<ul style="list-style-type: none"> ✓ waste collection ✓ resource recovery ✓ waste recycling ✓ waste to energy, composting, etc. ✓ PPP projects in waste sector 	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
Commitment of most central government and most local government are still limited since waste management sector is put on low priority. Need more coordination within all stakeholder	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
Denpasar, Bali for EPR Programme	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i>	
Presidential Regulation Number 97 Year 2017 regarding National Policy and Strategy on Solid Waste Management 2015-2025	
<i>Is this Goal relevant for your country?</i> <input type="checkbox"/> Highly <input type="checkbox"/> Partially <input type="checkbox"/> 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.
<i>Q-1 What are the major clean technology related policies aiming to increase energy and resource efficiency of SMEs?</i>	
<p><i>In 2014, Government of Indonesia enacted Law Number 3/2014 Regarding Industrial Affairs (replacing Law Number 5/1984). Special issue accommodated related to resource efficiency i.e. Green Industry as one of national industry goal. Green Industry shall be any Industry with a production process which places priority on efficiency and effectiveness in the sustainable use of resources, to enable harmonization between Industrial development and the preservation of environmental functions as well as to grant benefits to the community. Article 72 regarding Industrial Empowerment it is clearly stated that government and local government should give facilitation to make national industry (including SMEs) have high competitiveness and important role to strengthen national industry structure through Human Resources Enhancement, technical support, product development, environmental pollution prevention to realize green industry.</i></p> <p>Presidential regulation number 18 year 2016 regarding thermal power plant from municipal n waste energy as renewable resources. This regulation is concerned of waste to energy as potential renewable resources. The implementation of this regulation can be by private sector</p>	
<i>Q-2 What are the capacity building programmes currently in place to build the technical capacity of SMEs in 3R areas?</i>	
<ul style="list-style-type: none"> • <i>Green Industry and Energy Conservation Training for Industrial practitioners and government officials.</i> • <i>Cleaner Production Guideline and Technical Assistance for several industrial sectors.</i> • <i>Cleaner Production Guideline and Technical Assistance for several industrial sectors i.e. food, coating, fish canning, cosmetics, and electroplating. In Food industry, through CP, they can save IDR 1,858,032,005 annually by investing IDR 559,490,540 by doing efficiency on water consumption, plastics used and flour. In the fish canning industry, by initial investment IDR 119,053,750, they can save IDR 977,500,614 by practicing efficiency on water consumption, energy consumption, packaging and rejected product</i> • <i>3R guidelines on municipal and public participation</i> 	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
<p><i>Low awareness from SMEs practitioner because lack of socialization of related government regulation. Number of SMEs is very dynamic.</i></p> <p><i>Need more socialization and public participation</i></p>	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
<ul style="list-style-type: none"> • <i>Green Industry Master plan (2016 – 2031)</i> • <i>Road Map and Grand Strategy for Energy Conservation in Industrial Sector</i> • <i>Study of Low Carbon Technologies (BAT) in industrial sector.</i> • <i>Technical Assistance for SMEs in preparing environmental documents and obtaining environmental permits.</i> • <i>Set up Green Industry Standard for textile (dyeing, printing and finishing process), ceramic (glaze ceramic), Portland Cement, Iron and Steel, and Pulp and Integrated Pulp</i> 	

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.
	<ul style="list-style-type: none"> • <i>Listing Alternative Eco-Friendly Materials for textile (dyeing, printing and finishing), ceramic (glaze ceramic) and food (meatball, indonesian tofu, tommatto catsup, and wet noodle)</i> • <i>Implementation of Energy Conservation Diversification in Industrial Sector</i> • <i>Set up of Technical Guidance for Energy Conservation Technique and CO2 Emission Reduction for steel, fertilizer, pulp & paper, and ceramic industries.</i> • <i>Set up Technical guideline for 3R programme and waste to energy municipal solid waste</i>
	<p><i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i></p> <ul style="list-style-type: none"> • <i>Set up of Ministry of Industry Decree regarding Road Map of CO2 Emission Reduction in Cement Industry and Ozone Depleting Substances Abolition</i> • <i>Set up of Technical Guidance for Energy Conservation Technique and CO2 Emission Reduction for steel, fertilizer, pulp & paper, and ceramic industries.</i> • <i>Training on Green Industry Implementation for Industry (including SMEs)</i> • <i>Technical and Financial Support for Green Industry Certification</i> • <i>Green Industry Expo and Green Industry Campaign</i> • <i>Set up a ministerial decree on 3R programme</i>
	<p><i>Is this Goal relevant for your country?</i> <input type="checkbox"/> Highly <input type="checkbox"/> Partially <input type="checkbox"/> Not at all</p>

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"/> Very High (> 90%) <input type="checkbox"/> High (>70%) <input type="checkbox"/> Average (50~~70%) <input type="checkbox"/> Low or not satisfactory (< 50%) <input type="checkbox"/> None	
<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"/> Very High (> 90%) <input checked="" type="checkbox"/> <input type="checkbox"/> High (>70%) <input type="checkbox"/> Average (50~~70%) <input type="checkbox"/> Low or not satisfactory (< 50%) <input type="checkbox"/> None	
<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>	
<i>Green Industry Standard which regulates the origin of the raw material as one of the criteria</i>	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
<i>Imbalance on the demand and supply of raw material and products</i>	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i>	
<i>Is this Goal relevant for your country? <input checked="" type="checkbox"/> Highly <input type="checkbox"/> Partially <input type="checkbox"/> Not at all</i>	

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>Indonesia has PROPER (Green Industry Program), requires Industries to manage the waste from activities :</p> <p>1.629 good performance industries 243 bad performance industries</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>	
<p>GoI will set up 14 new Industrial Estates in Teluk Bintuni, Palu, Morowali, Konawe, Bitung, Buli, Bantaeng, Ketapang, Batu Licin, Landak, Sei Mangkei, tanggamus, Kula Tanjung and Jorong. But there is no specific incentive regarding industrial symbiosis until now.</p>	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
<ul style="list-style-type: none"> • <i>The need of economic growth</i> • <i>Various Industrial Sector Structure</i> • <i>Revise PROPER become mandatories not voluntaries to guarantee all industries has environment activities perspectives.</i> 	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
<p>MoI awarded Industrial Estate Award to National Industrial Estates for following categories: <i>Best Performance in Management and Services, Best Performance in Infrastructure and Facilities, and Best Performance in Environmental Management.</i></p>	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i>	
<ul style="list-style-type: none"> • <i>Ministry of Industry will set up Industrial Estate Standard to ensure the quality of Industrial Estate is comply to the government regulation</i> • <i>MoI will set up Sei Mangkei Industrial Estate as pilot project for Eco-Industrial Estate Program</i> • <i>MoI will integrate green industry standard to Industrial Estate Standard to standardize Eco-Industrial Estate</i> • <i>Toba Lake Solid Waste Management Program</i> 	
<p><i>Is this Goal relevant for your country?</i> Highly <input type="checkbox"/> Partially <input type="checkbox"/> Not at all</p>	

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>	
<ul style="list-style-type: none"> • CRECPI (<i>Center for Resource Efficient & Cleaner Production Indonesia</i> ITB) • PPBN (<i>National Cleaner Production Center - Pusat Produksi Bersih Nasional</i>) • Government support Green activities/ NGO, practitioners 	
<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>	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
Financial for local capacity spread in some ministries, need collaboration and coordination	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
<ul style="list-style-type: none"> • <i>Training on Green Industry Implementation for SMEs</i> • <i>Technical Guidance support for Cleaner Production for food, coating, fish canning, cosmetics and electroplating industries</i> 	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i>	
<ul style="list-style-type: none"> • <i>Technical and Financial Support for Green Industry Certification</i> • <i>Green Industry Expo and Green Industry Campaign to enable SMEs foster to green industry</i> 	
<i>Is this Goal relevant for your country?</i> <input checked="" type="checkbox"/> Highly <input 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.
<i>Q-1 Is there a systematic classification of hazardous waste? If so, please attach.</i>	
<input checked="" type="checkbox"/> Yes <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>	
<ul style="list-style-type: none"> • Government Regulation No. 101 Year 2014 concerning Hazardous Waste Management • Minister of Industry Regulation No. 87/2009 regarding Global Harmonized System of Classification and Labeling of Chemicals (GHS) (based on UN GHS Purple Book) • Directorate General of Manufacture Base Industry Regulation No. 04/BIM/PER/1/2014 regarding Technical and Monitoring Guidance the Implementation of Global Harmonized System of Classification and Labeling of Chemicals (GHS) (Derivative regulation of Minister of Industry Regulation No. 87/2009) 	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
Lack of funding Increasing awareness from stakeholders	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
RDF Project in Cilacap City	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i>	
Formulating implementation regulation such as guideline, standard, procedure, and criteria.	
<i>Is this Goal relevant for your country?</i> 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>	
Still on Process	
<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>	
<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>	
<input type="checkbox"/> Very High (> 20~ 30%) <input type="checkbox"/> High (10~20%) <input checked="" 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>	
Number of food waste (62%) from total waste (national), need regulation	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i>	
<i>Is this Goal relevant for your country?</i> <input checked="" type="checkbox"/> Highly <input 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.
<i>Q-1 How much amount of – (a) agricultural biomass waste and (b) livestock waste are grossly generated per annum?</i>	
62% food waste from national waste	
<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"/> <input checked="" type="checkbox"/> as secondary raw material input (for paper, bioplastic, furniture, etc.) <input type="checkbox"/> <input checked="" type="checkbox"/> biogas/electricity generation <input type="checkbox"/> <input checked="" type="checkbox"/> composts/fertilizers <input type="checkbox"/> mostly left unutilized or open dumped <input type="checkbox"/> mostly open burned	
<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>	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
How to link between Composting Industries and waste bank	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i>	
Empowering waste bank	
<i>Is this Goal relevant for your country?</i> <input type="checkbox"/> Highly <input type="checkbox"/> Partially <input type="checkbox"/> 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>	
<ul style="list-style-type: none"> • Reducing waste of plastic bag by implementing plastic shopping bag fee at modern retail/store. • Promoting and implementing EPR to reduce waste of plastic packaging • Promoting 3R programee on plastic waste through Bank Sampah (Waste Bank) • 10 Year regulation on EPR and waste plastic • 83 Year 2018 regarding National Action Plan on Marine Debris 	
<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 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 participls (<5 mm) on coastal and marine species? If yes, please provide relevant websites.</i>	
Laboratories in branch office of Ministry of Enviroment and Forestry	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
<ul style="list-style-type: none"> ➤ Financial limitation is the main challenge. ➤ PPP is challenged to handle plastic waste management 	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i>	
<ul style="list-style-type: none"> • Presidential Regulation Number 97/2017 regarding Indonesia national policy and strategy on solid waste management 2015-2025 • MoI will conduct Study of Environmentally Friendly Packaging (Eco Packaging) Application in the Industrial Sector 	
<i>Is this Goal relevant for your country?</i> Highly <input type="checkbox"/> Partially <input type="checkbox"/> Not at all	

III. 3R Goals for New and Emerging Wastes

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

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

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

- Government Regulation No. 101 Year 2014 concerning Hazardous Waste Management
- Decree of Ministerial Trade Number: 63/M-DAG/PER/12/2009 regarding Importation of used product for reconditioning, remanufacturing or re-use (Importir Producer)
- Decree of Ministerial Trade Number: 39/M-DAG/PER/9/2009 regarding Importation of Non Hazardous Waste (Scrap Waste)
- Decree of Ministerial Trade and Industry Number 520 Year 2003 regarding Prohibition of Hazardous Waste Import
- Government Regulation Number 18 Year 1999 Government Regulation Number 85 Year 1999 regarding Hazardous Waste and Hazardous Substances Management
- Government Regulation Number 18 Year 1999 regarding Hazardous Waste Management

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

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

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

Policy for e –waste from household still on process

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

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.
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i>	
<i>Is this Goal relevant for your country?</i> Highly <input 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.
<i>Q-1 What specific policies and regulations are introduced to prevent illegal import and export of e-waste?</i>	
<ul style="list-style-type: none"> • Law No. 32 Year 2009 concerning Environmental Protection and Management • Government Regulation No. 101 Year 2014 concerning Hazardous Waste Management • Government Regulation on Specific waste from household (still process) 	
<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 <input type="checkbox"/> No	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
<ul style="list-style-type: none"> • Government Regulation on Specific waste from household (still process) 	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i>	
<i>Is this Goal relevant for your country?</i> Highly <input type="checkbox"/> Partially <input type="checkbox"/> 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.
<i>Q-1 What specific Extended Product Responsibility (EPR) policies are enacted or introduced? (If there is none, then skip Q-2 below)</i>	
10-Year Roadmap of EPR implementation for reducing plastic packaging waste (draft)	
<i>Q-2 Please provide a list of products and product groups targeted by EPR nationally?</i>	
<ul style="list-style-type: none"> • WEEE (battery) • Non SUP Program • Food and beverage packaging (PET bottle and Tetrapak paper) • Consumer goods and homecare packaging (not yet) 	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
Financial and institutional	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
EPR model for AquaDanone PET bottle and Tetrapak paper packaging in Bali (initial stage)	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i>	
10-Year Roadmap of EPR and plastic waste	
<i>Is this Goal relevant for your country?</i>	
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.
<p><i>Q-1 What specific policies and regulations are in place for healthcare waste management?</i></p> <ul style="list-style-type: none"> • <i>Government Regulation No. 101 Year 2014 concerning Hazardous Waste Management</i> • <i>Minister of Environment and Forestry number 59 Year 2016 regarding Leachete measurement for industries and final disposal site</i> • <i>Minister of Environment and Forestry number 70 Year 2016 regarding Emission measurement for industries and final disposal site</i> <p><i>Q-2 What is the total annual government expenditure towards healthcare waste management (US\$ per year)?</i></p> <p><i>Q-3 List the agencies or authorities responsible for healthcare waste management.</i></p> <ul style="list-style-type: none"> • <i>Ministry of Environment and Forestry</i> • <i>Ministry of Health</i> • <i>Local Government</i> <p><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)</p> <p><input type="checkbox"/> open dumping (untreated)</p> <p><input type="checkbox"/> open burning (untreated)</p> <p><input type="checkbox"/> ordinary landfilling (untreated)</p> <p><input type="checkbox"/> sanitary landfilling (treated)</p> <p><input type="checkbox"/> Low cost small scale incineration (do not meet air emission standards)</p> <p style="padding-left: 40px;"><input type="checkbox"/> Highly controlled air incineration (dedicated/modern medical waste incinerators)</p> <p><input type="checkbox"/> Other methods (please specify names: _____)</p>	
<p><i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i></p> <p><i>Institutional, financial, and technological</i></p>	
<p><i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i></p>	
<p><i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i></p>	
<p><i>Is this Goal relevant for your country?</i> Highly <input type="checkbox"/> Partially <input type="checkbox"/> Not at all</p>	

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>	
<ul style="list-style-type: none"> • Indonesian National Standard (SNI) • Green Industry Standard (SIH) 	
<i>Q-2 What specific energy efficiency schemes are introduced for production, manufacturing and service sector?</i>	
<ul style="list-style-type: none"> • Green Industry Standard which regulates the specific input material, water and energy consumption ratio per product unit • Technical Guidance for Energy Conservation Technique and CO2 Emission Reduction for steel, fertilizer, pulp & paper, and ceramic industries 	
<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>	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i>	
<i>MoI is targeting new SNI, 50 new Green Industry Standard, 50 new Technical Guidance for Energy Conservation Technique and CO2 Emission Reduction</i>	
<i>Is this Goal relevant for your country?</i> Highly <input type="checkbox"/> Partially <input type="checkbox"/> Not at all	

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>	
<i>Cleaner Production Centre</i>	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i>	
<i>Is this Goal relevant for your country?</i> Highly <input type="checkbox"/> Partially <input 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.
<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>	
Minister regulation number 13 year 2012 regarding Guideline for Implementation 3R through Waste Bank	
<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>	
Challenges (policy/ institutional/ technological/ financial) faced in implementation:	
Revised regulation still on processing	
Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant	
Government support local government by build the Central Waste Bank and Unit Waste Bank	
Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)	
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 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 checked="" type="checkbox"/> NGOs <input type="checkbox"/> Local Government <input type="checkbox"/> Others, please add/specify (community) <input checked="" type="checkbox"/> Industrial Association <input type="checkbox"/> Academic Institution </p> <p><i>Icy</i></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 <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> Low <input type="checkbox"/> Almost Negligible </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 checked="" type="checkbox"/> Very high <input type="checkbox"/> Moderate <input type="checkbox"/> Low <input type="checkbox"/> Almost Negligible </p>	
<p>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</p> <p><i>Financial and policy,</i></p>	
<p>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</p> <p><i>Sustainable Consumption and Production Program</i> National workshop for local government, waste bank manager, industries</p>	
<p>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</p> <ul style="list-style-type: none"> <i>Public awareness for sanitation and hygiene</i> <i>Multi sector synchronisation (implementing and funding)</i> <i>Sustainable Consumption and Production Program</i> 	
<p>Is this Goal relevant for your country? <input checked="" type="checkbox"/> Highly <input 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> Environmentally school programme which is implemented at elementary, junior, and high school (Adiwiyata Program)	
<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> The government encourages the implementation of the 3R program through waste banks by involving communities and association, including women's groups.	
<i>Q-3 Please provide a list of academic and research institutions offering PhD programmes in the areas of 3Rs and resource efficiency?</i>	
<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>	
Challenges (policy/ institutional/ technological/ financial) faced in implementation: Lack of Funding/budgeting to study and scholarship	
Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant	
Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021) Government commands Universities to provide scholarship for major of 3R	
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 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>	
<ul style="list-style-type: none"> • Ministry of Environment and Forestry • Ministry of Cooperative Small Medium Enterprises • Provincial Government • Cities and Regencies Government 	
<i>Q-2 What type of coordination mechanism are there among ministries and agencies for a resource efficient economic development?</i>	
✓ Official regular coordination meeting among ministries and agencies ✓ Official ad-hoc coordination meeting among ministries and agencies Informal meeting among ministries and agencies Other coordination mechanisms (please add/specify)	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
<ul style="list-style-type: none"> • Need more coordination between related institution • Lack of Funding/budgeting 	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i>	
<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 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>	
<i>Q-2 Please provide details of eco-labelling schemes of your country.</i>	
<i>Q-3 Please provide a list of criteria for eco-labeled products and services in your country.</i>	
<i>Q-4 Please provide the list of Ministries and major Government Agencies which have adopted green procurement policy.</i>	
<i>Q-5 What % of municipalities have adopted the green procurement policy?</i>	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i>	
<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 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>	
<ul style="list-style-type: none"> • Ministry of Environment and Forestry • Ministry of Public Work and Housing • Ministry of Energy and Mineral Resources 	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i>	
Presidential Regulation Number 35 Year 2018 regarding Accelerated Construction of Waste-Processing Electrical-Energy Installations Based (WtE)	
<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 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 very important

Q-2 What are the rules and regulations to prevent open dumping and open burning of waste?

Law number 18 year 2012 regarding solid waste management:

Open dumping and open burning are prohibited

Q-3 Rank the five most important rivers in terms of water quality (BOD values) passing through major cities and urban areas?

Indonesia has 12 Watershed Priority Program: Brantas, Solo, Jratunseluna, Serayu, Citanduy, Cimanuk, Citarum, Ciliwung, Asahan, Batanghari, Billa Walanae, dan Sadang

Top 5: Ciliwung, Citarum, Cisadane, Bengawan Solo, Brantas,

Q-4 What are the specific laws, rules and regulations in place to prevent littering in river and water bodies?

- Act Number 18 Year 2008 Regarding Municipal Solid Waste Management
- Presidential Regulation number 83 Year 2018 regarding National action on Marine Debris

Q-5 What are the specific laws, rules and regulations in place to prevent marine littering?

Presidential Regulation number 83 Year 2018 regarding National action on Marine Debris

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

Coordination among ministries to implementing the Presidential Regulation number 83 Year 2018 regarding National action on Marine Debris

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

National Program for Watershed Citarum

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

Presidential Regulation number 83 Year 2018 regarding National action on Marine Debris

Is this Goal relevant for your country? Highly Partially 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.
<i>Q-1 What are major recycling industries in your country?</i>	
Plastic recycling industry Use oil recycling industries Single used packaging	
<i>Q-2 Please specify the regulation on transboundary movement of hazardous waste.</i>	
Government regulation number 101 Year 2014 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.</i>	
Ministry of Finance Number: 161 Year 2007 regarding Supervision of Imports and Exports of Prohibited and / or Restricted Goods. 500 prohibited material.	
Restricted goods: hazardous material, wood (raw), rattan (raw), health care, animal, plastic, salt, Ozonise material, sugar, explosive material, rice, telecommunication equipment, ozone depleting substances	
<i>Q-4 Does your government restrict import of remanufactured goods?</i>	
Yes it is	
<i>Q-5 Does your government regard remanufactured goods as secondhand goods, and regulate it as secondhand goods?</i>	
Yes it is. Especially textile	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
Actually, secondhand goods are resources. not all used goods are considered garbage because most of them can still be used in accordance with the 3R principle. But imported goods have adjusted to government regulations	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i>	
<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 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	•			•	
Material flow					
Cyclical use					
Amount of final disposal	•			•	
Disposal to land	•			•	
Direct disposal to water					
Import of waste					
Export of waste					
Total landfilled waste	•			•	
Import of recyclables					
Export of recyclables					
Hazardous waste generation (solid, liquid, sludge, etc.)	•			•	
e-waste generation	•			•	

(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?

Global harmonization of database system

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

Lack of Budgeting, lack of national data

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

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

Program to e-waste, counting specific waste and hazardous waste from household

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.
<i>Q-1 What are the government policies and programmes, including incentives, for waste-to-energy programmes?</i>	
Presidential Regulation. No. 35/2018 On The Accelerated Construction Of Waste. Processing Electrical-Energy Installations Based (WtE)	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
<ul style="list-style-type: none"> • Need more financial support • Centre of excellent of available technology for waste to energy 	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
12 selected cities for WtE	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i>	
Presidential Regulation. No. 35/2018 On The Accelerated Construction Of Waste. Processing Electrical-Energy Installations Based (WtE)	
<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.
<i>Q-1 Please provide a list of on-going bilateral/multi-lateral technical cooperation in 3R areas?</i>	
<ul style="list-style-type: none"> • JICA cooperation on 3R in Balikpapan City and Palembang City • Cooperation with Denmark, located in Semarang City, Depok City, Bukittinggi City • JICA cooperation in organic waste and solid waste management in Denpasar City, Depok City, Bogor City and Bali Province • Escap Biodigester Program in Jambi City and Malang Regency • IGES cooperation in Toba Lake Area 	
<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>	
Labuhan Bajo Program, Toba Lake Program, Regional Landfill Site in Nambo (Bogor Regency, Bogor City, Depok City)	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
Need more bilateral/ multi lateral technical cooperation on 3R programme	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i>	
<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 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>	
<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>	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i>	
<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>	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i>	
<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 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>	
<i>Q-2 Number of annual labor inspections in waste sector?</i>	
5,000,000 waste pickers in 25 provinces	
<i>Q-3 Is health insurance a mandatory to all informal workers in waste sector by law?</i>	
Don't have data	
<i>Q-4 What specific policies and enforcement mechanisms are in place to prevent illegal engagement of children in waste sector?</i>	
Don't have data	
<i>Q-5 Number of landfill sites accessible to register waste pickers?</i>	
Mostly, waste pickers accessible to every landfill site	
<i>Q-6 Average life span of informal waste workers?</i>	
There is no study yet	
<i>Q-7 Any government vaccination programmes for informal waste workers?</i>	
No data	
<i>Q-8 Any public awareness programmes for informal waste workers on health and safety measures?</i>	
Thousand environmental communities working in these area	
Challenges (policy/ institutional/ technological/ financial) faced in implementation:	
Need Studies and researches for this issues	
Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant	
Empowering waste pickers program to access health insurances, safety and health measure and education and training for better way of life	
Important policies/programs/projects/master plans the government plans to undertake within next five years (2016~2021)	
<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 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>	
<p>The involvement of women's organizations and housewife in waste management is very important, inline with data that 62% of Indonesia's waste sources come from households. House (women) become first pleace to teach the importance of 3R, to change mindset and educate children and member of families on how to manage waste properly.</p> <p>Most waste bank managers are also women PT Pegadaian initiated waste bank programme "Waste to Gold" to attract more women's involvement</p>	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
Capacity Building for Waste Bank Managers	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i>	
<p><i>Is this Goal relevant for your country?</i> <input type="checkbox"/> Highly <input type="checkbox"/> Partially <input type="checkbox"/> Not at all</p>	