Country Report

(Draft)

<Malaysia>

This country report was prepared by the Government of Malaysia as an input for the Eighth Regional 3R Forum in Asia and the Pacific. The views expressed herein do not necessarily reflect the views of the United Nations.
Voluntary Progress/Achievements/Initiatives in Implementing Ha Noi 3R Declaration (2013–2023)

Country 3R Progress Report

Name of the Country: MALAYSIA

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Timeline of Submission: 28 February 2018 (Email: 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.

**Q-1 What specific 3R policies, programmes and projects, are implemented to reduce the quantity of municipal solid waste?**

- Program: Separation At Source for Households (implemented since 1st September 2015)
- Awareness and Educational Program on 3R
  - talk and exhibition;
  - recycling programmes at school/universities;
  - 3R programmes at residential areas, office, industry sector

**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%)
- [x] 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**

<table>
<thead>
<tr>
<th>Development Expenditure</th>
<th>Operational Expenditure</th>
</tr>
</thead>
<tbody>
<tr>
<td>For facility operation. (2015) <em>(exchange rate RM1 = 0.24USD)</em></td>
<td>For operational cost of solid waste facilities, waste collection services and public cleansing. (2015)</td>
</tr>
<tr>
<td>RM91,460,000 (USD 2,240,7061.61)</td>
<td>RM1,761,000,000 (USD 431,432,708.22)</td>
</tr>
</tbody>
</table>

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

1. Inadequate proper waste management facilities and expensive new waste facilities;
2. Increasing cost in solid waste management; and
3. Lengthy and complicated legal procedure to enforce solid waste law.

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

Policies:
- National Solid Waste Management Policy
- National Strategic Plan For Food Waste Management in Industry, Commercial and Institution Sector

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

2018-2019

Interim Implementation of Separation At Source (SAS) Programme in the Industry, Commercial and Institution (ICI) Premises in states adopting Act 672 in Malaysia

Drafting and Gazettement of Solid Waste and Public Cleansing Management Regulations on Construction Solid Waste and Business Solid Waste

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

- [x] 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?

Yes, National Solid Waste Management Policies (Revision) 2016 clearly stated that the solid waste management in Malaysia must be managed according to waste hierarchy.

### 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:

High cost of open dump site upgrading and closure. Building new sanitary landfills and treatment facilities require huge budget and often opposed by the public.

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

Policies: Waste to Energy

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

1) Integrated Waste Management

### Is this Goal relevant for your country?

- ☑ Highly
- ☐ Partially
- ☐ Not at all
Voluntary Progress/Achievements/Initiatives in Implementing Ha Noi 3R Declaration (2013~2023)

MALAYSIA

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)

<table>
<thead>
<tr>
<th>Type</th>
<th>Rate</th>
<th>Very High (&gt;90%)</th>
<th>High (&gt;70%)</th>
<th>Average (50~60%)</th>
<th>Poor (&lt;50%)</th>
<th>Recycling does not exist</th>
<th>Definition of recycling rate*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paper</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>Plastic</td>
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<td></td>
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<td>3</td>
</tr>
<tr>
<td>Metal</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Construction waste</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>e-waste</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>others</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

*Note: Please specify in the cell which of the following definitions (ie., 1 or 2 or 3) is followed for recycling rate

Definition 1: (collected recyclable waste)/(estimated generation of waste)

Definition 2: (volume of utilized recyclable waste)/(volume of raw material)

Definition 3: (volume of utilized recyclable waste)/(volume of collected waste for recycling)

Q-2 What specific policies are introduced at local and national level for prevention or reduction of waste streams – paper, plastic, metal, construction waste, e-waste?

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

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

<table>
<thead>
<tr>
<th>Type</th>
<th>Rate</th>
<th>Very High (&gt;90%)</th>
<th>High (&gt;70%)</th>
<th>Average (50~60%)</th>
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<th>Recycling does not exist</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paper</td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Plastic</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Metal</td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Construction waste</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>e-waste</td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

(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?

<table>
<thead>
<tr>
<th>Type</th>
<th>Level</th>
<th>Every Major City</th>
<th>Few Major Cities only</th>
<th>Does not exist</th>
<th>Supportive policy or programmes exists</th>
<th>No supportive policy or programmes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paper</td>
<td></td>
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</tr>
</tbody>
</table>
### I. 3R Goals in Urban/Industrial Areas  (3Rs in municipal solid waste)

<table>
<thead>
<tr>
<th>Goal 3</th>
<th>Achieve significant <strong>increase in recycling rate</strong> 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.</th>
</tr>
</thead>
</table>

**Challenges (policy/ institutional/ technological/ financial) faced in implementation:**
High cost in building, maintenance and operation of a recovery facilities. Relatively low cost on virgin materials are widely available.

**Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant**
1. Separation at Source for Households
2. Dedicated collection for recyclables for households

**Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)**
1. Separation At Source For Industry, Commercial and Institution (ICI)

**Is this Goal relevant for your country?**
- [x] Highly
- [ ] Partially
- [ ] Not at all
### I. 3R Goals in Urban/Industrial Areas (3Rs in municipal solid waste)

<table>
<thead>
<tr>
<th>Goal 4</th>
<th>Build <strong>sustainable cities /green cities</strong> by encouraging “<strong>zero waste</strong>” through sound policies, strategies, institutional mechanisms, and multi-stakeholder partnerships (giving specific importance to private sector involvement) with a primary goal of <strong>waste minimization</strong></th>
</tr>
</thead>
</table>

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

Objective 3 National Solid Waste Management Policies (Revision) 2016, which is to achieve better waste management system through privatization of solid waste 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:**

- High cost of privatization of solid waste management

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

- Full privatization of solid waste collection in 7 states under Solid Waste and Public Cleansing Management Act 2007 (Act 672)

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

- Expansion of Solid Waste and Public Cleansing Management Act 2007 (Act 672) to other states in Malaysia

**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?**

This initiative is not directly under jurisdiction of Solid Waste Management Department

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

Nil

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

Nil

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

Nil

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

Nil

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

☐ Highly  ☐ Partially  ☐ Not at all
### I. 3R Goals in Urban/Industrial Areas  
(3Rs in Industrial waste)

<table>
<thead>
<tr>
<th>Goal 6</th>
<th>Promote the <strong>greening of the value chain</strong> by encouraging industries and associated suppliers and vendors in socially responsible and inclusive ways.</th>
</tr>
</thead>
</table>

**Q-1 What percent of companies and industries have introduced green accounting and voluntary environmental performance evaluation (Ref: ISO 14000)?**

- ☐ Very High (> 90%)
- ☐ High (>70%)
- ☐ Average (50~70%)
- ☐ Low or not satisfactory (< 50%)
- ☐ None

**Q-2 What percent of companies and industries have introduced social accounting (Ref: SA 8000) in consultation with their workers?**

- ☐ Very High (> 90%)
- ☐ High (>70%)
- ☐ Average (50~70%)
- ☐ Low or not satisfactory (< 50%)
- ☐ 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?**

- **MyHIJAU Mark**
  MyHIJAU Mark is Malaysia’s official green recognition scheme endorsed by the Government of Malaysia (Ministry of Energy, Green Technology and Water), bringing together certified products and services that meet local and international environmental standards under one single mark. MyHIJAU is to promote the sourcing and purchasing of green products and services in Malaysia. Its aim is to encourage the adoption of environmentally friendly practices in the country, while catalysing the growth of Malaysian’s green economy.

- **Green Technology Financing Scheme**

- **Green Investment Tax Incentives**

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

Nil

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

- **Green Technology Master Plan**

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

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

<table>
<thead>
<tr>
<th>Goal 6</th>
<th>Promote the <strong>greening of the value chain</strong> by encouraging industries and associated suppliers and vendors in socially responsible and inclusive ways.</th>
</tr>
</thead>
</table>

**Is this Goal relevant for your country?**
- ☑ Highly
- ☐ Partially
- ☐ Not at all
I. 3R Goals in Urban/Industrial Areas  (3Rs in Industrial waste)

<table>
<thead>
<tr>
<th>Goal 7</th>
<th>Promote industrial symbiosis (i.e., recycling of waste from one industry as a resource for another), by providing relevant incentives and support.</th>
</tr>
</thead>
</table>

**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?**

Integrated waste management policy

**Waste Eco Park (WEP) Incentive by Malaysian Investment Development Authority**

Waste Eco Park (WEP) aims to promote waste recycling, recovery and treatment activities by the industries and provides a sustainable solution to waste management problem. This will encourage investments in facilities and infrastructure towards holistic waste management activities.

**Q-2 How many eco-industrial parks or zones or the like, which is supported by the government, are there in the country?**

No data

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

Enforcement of the law to prevent pollution and fraud.

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

Waste management platform and taskforce

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

Integrated waste management facilities

**Is this Goal relevant for your country?**  ✔ Highly  □ Partially  □ Not at all
### I. 3R Goals in Urban/Industrial Areas (3Rs in Industrial waste)

<table>
<thead>
<tr>
<th>Goal 8</th>
<th>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.</th>
</tr>
</thead>
</table>

**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.?**

Available: 1 training centre under Ministry of Urban Wellbeing, Housing and Local Government (I-KPKT, Bukit Tinggi Pahang)
Planning: 1 private training centre (Negeri Sembilan by Cenviro Sdn. Bhd.)

**Q-2 Please provide an indicative figure on annual government (US $) expenditure on building technical capacity of SMEs and practitioners in the areas of cleaner production, resource efficiency and environment-friendly technologies, etc.?**

No data

**Challenges (policy/institutional/technological/financial) faced in implementation:**
Changing and transfer of officer to other department due to promotion and etc.

**Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant**
Objective 6 of National Solid Waste Management Policies (Revision) 2016

**Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)**
Establishment of Center of Excellence by private

**Is this Goal relevant for your country?**  
☑ Highly  □ Partially  □ 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. |
| ☒ Yes | ☐ No |

| Q-2 What specific rules and regulations are introduced to separate, store, treat, transportation and disposal of hazardous waste? |
| Environmental Quality Act 1974 (ACT 127) |

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

- Enforcement of the law is lengthy and complicated

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

*Scheduled Waste General Information – From Website: Department of Environment, Ministry of Natural Resources & Environment*


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

Nil

<table>
<thead>
<tr>
<th>Is this Goal relevant for your country?</th>
<th>☒ Highly</th>
<th>☐ Partially</th>
<th>☐ Not at all</th>
</tr>
</thead>
</table>

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Voluntary Progress/Achievements/Initiatives in Implementing Ha Noi 3R Declaration (2013~2023)
## II. 3R Goals in Rural Areas

<table>
<thead>
<tr>
<th>Goal 10</th>
<th><strong>Reduce losses in the overall food supply chain</strong> (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.</th>
</tr>
</thead>
</table>

**Q-1 What specific policies, rules and regulations, including awareness programmes, are introduced to minimize food or crop waste?**

*Food Waste Management Development Plan For Industry, Commercial And Institution Sector (2016-2026)*

**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?**

Yes

**Q-3 What is the average wastage of crops or agricultural produce between farms to consumers, if there is a study in your country?**

- no data
  - Very High (> 20~ 30%)
  - High (10~20%)
  - Medium (5~10%)
  - Low (< 5%)
  - Negligible (<1%)

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

Foreign workers in farming and agricultural sectors

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

*Food Waste Management Development Plan For Industry, Commercial And Institution Sector (2016-2026)*

[http://jpspn.kpkt.gov.my/resources/index/user_1/Sumber_Rujukan/pelan_pembangunan_sisa-makanan/Food_waste_management_dev_plan_for_industry_commercial_and%20institution_sector.pdf](http://jpspn.kpkt.gov.my/resources/index/user_1/Sumber_Rujukan/pelan_pembangunan_sisa-makanan/Food_waste_management_dev_plan_for_industry_commercial_and%20institution_sector.pdf)

MySaveFood

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

Nil

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

- [ ] Highly
- [ ] Partially
- [ ] 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?**

No data

**Q-2 How are most of the agricultural biomass wastes utilized or treated?** (Please check all appropriate boxes)

- [ ] as secondary raw material input (for paper, bioplastic, furniture, etc.)
- [ ] biogas/electricity generation
- [ ] composts/fertilizers
- [ ] mostly left unutilized or open dumped
- [ ] mostly open burned

**Q-3 What specific policies, guidelines, and technologies are introduced for efficient utilization of agricultural biomass waste and livestock waste as a secondary material inputs towards full scale economic benefits? Relevant websites could be shared for additional information.**

No data

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

No data

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

No data

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

No data

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

- [ ] Highly
- [ ] Partially
- [ ] Not at all
### III. 3R Goals for New and Emerging Wastes

<table>
<thead>
<tr>
<th>Goal 12</th>
<th>Strengthen regional, national, and local efforts to address the issue of waste, in particular plastics in the marine and coastal environment.</th>
</tr>
</thead>
</table>

**Q-1 What specific policies and regulations are in place to address the issue of plastic wastes in coastal and marine environment?**

1. Solid Waste and Public Cleansing Management Act 672 – Section 72(1), Prohibition against unauthorized escape of any controlled solid waste
2. Environmental Quality Act 1974 – Section 29(1), Prohibition of discharge of wastes into Malaysian waters
3. Water Act 1920 – Section 7(A)(1) – Prohibition of pollution of rivers

**Q-2 What extent issue of plastic waste is considered in integrated coastal zone management (ICZM)? (Please check the appropriate box)**

- ☑ Very much
- ☐ Somehow
- ☐ Not at all

**Q-3 Please provide a list of centre of excellences or dedicated scientific and research programmes established to address the impacts of micro-plastic particiles (<5 mm) on coastal and marine species? If yes, please provide relevant websites.**

No data

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

Difficulty in enforcement

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

No data

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

No data

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

- ☑ Highly
- ☐ Partially
- ☐ 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)

<table>
<thead>
<tr>
<th>Check if applicable</th>
<th>Number in priority order</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>Take to recycling center / resource recovery facilities</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Take to landfill</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Take to the retailer</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Take to local charity for re-use</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Take to second-hand shop for re-use</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Ship back to the manufacturer</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Ship back to the manufacturer</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Recycle in another country</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Do not know how people dispose</td>
<td></td>
</tr>
</tbody>
</table>

### Q-2 What specific policies and regulations are in place to ensure health and safety aspects of those involved in e-waste management (handling-sorting/resource recovery/recycling)?

Environment Quality (Household Scheduled Waste) Regulation 20xx

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

No data

<table>
<thead>
<tr>
<th>Type of e-waste</th>
<th>Estimated total volume generated (ton/year)</th>
<th>% of collected by permitted recycler</th>
<th>% of volume recycled in collected</th>
</tr>
</thead>
<tbody>
<tr>
<td>Television</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Computer</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mobile phone</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Refrigerators</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Washing machines</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Air conditioners</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Others…</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

nil

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

Guidelines for the Classification of Used Electrical and Electronic Equipment in Malaysia


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

http://www.doe.gov.my/household-ewaste/

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

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

*Is this Goal relevant for your country?*  
☑ Highly  ☐ Partially  ☐ 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?**  
Environment Quality Act 1974

**Q-2 Do you have required number of well-trained custom or other officials (for airport, seaport, land border control, etc.) to track illegal export and import of e-waste?**  
☐ Yes  ☒ No

*Challenges (policy/ institutional/ technological/ financial) faced in implementation:*  
Frauds and close proximity encourages e-waste to be exported to Malaysia as recyclable or repairs.

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

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

*Is this Goal relevant for your country?*  
☐ Highly  ☒ 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)**

Environment Quality (Household Scheduled Waste) Regulations 20xx. However this regulation is still in drafting stage.

**Q-2 Please provide a list of products and product groups targeted by EPR nationally?**

1) Television;
2) Washing machine;
3) Air conditioning;
4) Refrigerator;
5) Computer; and
6) Mobile Phone

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

Enforcement and facility shortage

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

Environment Quality (Household Scheduled Waste) Regulations

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

Management of household schedule waste

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

- [x] Highly
- [ ] Partially
- [ ] 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?**
Environment Quality Act 1974 – (Scheduled Wastes) Regulations, 2005

**Q-2 What is the total annual government expenditure towards healthcare waste management (US$ per year)?**
2015: RM103,808,081 (USD 25,432,255.26) exchange rate RM1 = 0.24USD

**Q-3 List the agencies or authorities responsible for healthcare waste management.**
Ministry of Health Malaysia

**Q-4 What is the common practice for disposal of healthcare wastes?**
(Please check the appropriate box and add if any other practice followed)
- [ ] open dumping (untreated)
- [ ] open burning (untreated)
- [ ] ordinary landfilling (untreated)
- [ ] sanitary landfilling (treated)
- [ ] Low cost small scale incineration (do not meet air emission standards)
- [✓] Highly controlled air incineration (dedicated/modern medical waste incinerators)
- [ ] Other methods (please specify names: )

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

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

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

**Is this Goal relevant for your country?**  
- [ ] Highly  
- [✓] Partially  
- [ ] Not at all
### IV. 3R Goals for Cross-cutting Issues

<table>
<thead>
<tr>
<th>Goal 17</th>
<th>Improve <strong>resource efficiency and resource productivity</strong> by greening jobs nationwide in all economic and development sectors.</th>
</tr>
</thead>
</table>

**Q-1 What specific policies and guidelines are introduced for product standard (towards quality/durability, environment/eco-friendliness, labour standard)?**
No data

**Q-2 What specific energy efficiency schemes are introduced for production, manufacturing and service sector?**
No data

**Q-3 What specific policies are introduced to create green jobs in product and waste sector?**
No data

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

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

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

**Is this Goal relevant for your country?**
☐ Highly  ☐ Partially  ☑ Not at all
IV. 3R Goals for Cross-cutting Issues

<table>
<thead>
<tr>
<th>Goal 18</th>
<th>Maximize co-benefits from waste management technologies for local air, water, oceans, and soil pollution and global climate change.</th>
</tr>
</thead>
</table>

**Q-1 Please share how climate mitigation is addressed in waste management policies and programmes for co-benefits?**

Under 11th Malaysia Plan, one special committee has been formed to coordinate the management of various types of waste in Malaysia.

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

- Lack of data and coordination

**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)**

- Integrated waste management

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

- ☑ Highly
- ☐ Partially
- ☐ Not at all
Voluntary Progress/Achievements/Initiatives in Implementing Ha Noi 3R Declaration (2013~2023)

MALAYSIA

<table>
<thead>
<tr>
<th>IV. 3R Goals for Cross-cutting Issues</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Goal 19</strong> Enhance <strong>national and local knowledge base and research network on the 3Rs and resource efficiency</strong>, through facilitating effective and dynamic linkages among all stakeholders, including governments, municipalities, the private sector, and scientific communities.</td>
</tr>
</tbody>
</table>

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

**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.)?
Local Higher Learning Institution of Malaysia such as University Malaya, University Putra Malaysia, Universiti Tun Hussien Onn Malaysia and etc

**Challenges (policy/institutional/technological/financial) faced in implementation:**
Financial support is limited and lacking in expertise to validate and verify the research done by researcher.

**Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant**
Development of Smart Recycle Bin with Universiti Tun Hussien Onn Malaysia

**Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)**
Thrust 2, Strategy 5 of National Solid Waste Management Policy 2016

**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. |

**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)

- [x] NGOs
- [ ] Industrial Association
- [ ] Local Government
- [ ] Academic Institution
- [ ] Others, please add/specify (  )

**Q-2 What is the level of NGOs’ involvement in 3R, sustainable production and consumption, resource efficiency related promotional activities?** (Please check the appropriate box)

- [ ] Very high
- [x] Moderate
- [ ] Low
- [ ] Almost Negligible

**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)

- [x] Very high
- [ ] Moderate
- [ ] Low
- [ ] Almost Negligible

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

NGO program or activities are highly dependent on funds allocated by Government or private institution.

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

Thrust 4, Strategy 14 of National Solid Waste Management Policy 2016 emphasis on the importance of collaboration with NGO. Thus, awareness program with local NGOs is conducted annually especially during National Recycling Day eg. EcoRangers, Treasure Hunt and etc

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


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

- [ ] Highly
- [x] Partially
- [ ] Not at all
### IV. 3R Goals for Cross-cutting Issues

<table>
<thead>
<tr>
<th>Goal 21</th>
<th>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.</th>
</tr>
</thead>
</table>

**Q-1 Provide a list of formal programmes that addresses areas of 3R and resource efficiency as part of the academic curriculum?**

Sustainable Living Subject for Primary and Secondary School

**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.**

Thrust 4, Strategy 13 of National Solid Waste Management Policy 2016 emphasis on communication, education and awareness of each layer of Malaysian society

**Q-3 Please provide a list of academic and research institutions offering PhD programmes in the areas of 3Rs and resource efficiency?**

1) Malaya University, Kuala Lumpur  
2) National University of Malaysia, Bangi, Selangor  
3) Putra Malaysia University, Serdang, Selangor  
4) University of MARA Institute of Technology

**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?**

1) Putra Malaysia University, Serdang, Selangor  
2) University of MARA Institute of Technology

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

Nil

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

Nil

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

To introduce Sustainable Living Subject for Primary and Secondary School

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

☐ Highly  ☑ Partially  ☐ Not at all
### IV. 3R Goals for Cross-cutting Issues

**Goal 22**  

**Q-1** Please list the name of the Ministries and major Government Agencies which are promoting 3R and resource efficiency as part of their policy, planning and developmental activities at local and national level.

- 3R for solid waste management: Ministry of Urban Wellbeing, Housing & Local Government
- 3R for e-waste: Ministry of Natural Resources & Environment
- Resource efficiency and green energy: Ministry of Energy, Green Technology and Water

**Q-2** What type of coordination mechanism are there among ministries and agencies for a resource efficient economic development?

- ☐ Official regular coordination meeting among ministries and agencies
- ☑ Official ad-hoc coordination meeting among ministries and agencies
- ☐ Informal meeting among ministries and agencies
- ☐ Other coordination mechanisms (please add/specify)

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

Cross Ministerial functions usually time consuming and require good coordination for an action plan to successful implemented

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

- Integrated biogas treatment plant in Sungai Besi, Selangor

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

- Integrated waste management

**Is this Goal relevant for your country?**  
☑️ Highly  ☐ Partially  ☐ 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. |

**Q-1 What specific policies are introduced to promote green and socially responsible procurement?**

Government Green Procurement circular

**Q-2 Please provide details of eco-labelling schemes of your country.**

SIRIM Eco-Labelling Scheme under Standard and Industrial Research Institute of Malaysia (SIRIM)


**Q-3 Please provide a list of criteria for eco-labeled products and services in your country.**

Nil

**Q-4 Please provide the list of Ministries and major Government Agencies which have adopted green procurement policy.**

No data

**Q-5 What % of municipalities have adopted the green procurement policy?**

No data

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

Nil

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

Nil

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

Nil

**Is this Goal relevant for your country?** □ Highly ☒ Partially □ Not at all
### IV. 3R Goals for Cross-cutting Issues

<table>
<thead>
<tr>
<th>Goal 24</th>
<th>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.</th>
</tr>
</thead>
</table>

**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.**

No

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

- Public objection

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

- Subsidy rationalization

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

- None

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

- ☑ Highly
- ☐ Partially
- ☐ Not at all
### IV. 3R Goals for Cross-cutting Issues

<table>
<thead>
<tr>
<th>Goal 25</th>
<th>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.</th>
</tr>
</thead>
</table>

**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?**
Solid Waste and Public Cleansing Management Act 2007
Environment Quality Act 1974

**Q-3 Rank the five most important rivers in terms of water quality (BOD values) passing through major cities and urban areas?**
No data

**Q-4 What are the specific laws, rules and regulations in place to prevent littering in river and water bodies?**
No data

**Q-5 What are the specific laws, rules and regulations in place to prevent marine littering?**
No data

**Challenges (policy/ institutional/ technological/ financial) faced in implementation:**
No data

**Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant**
No data

**Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)**
No data

**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. |

**Q-1 What are major recycling industries in your country?**

Metal, Paper and Plastic industries

**Q-2 Please specify the regulation on transboundary movement of hazardous waste.**

Environment Quality Act 1974. Transboundary movement of hazardous waste into Malaysia is prohibited.

**Q-3 If your government has restriction on import of non-hazardous waste or quality control of non-hazardous waste, please list it up.**

Non-hazardous waste importation must get an Import Permit from relevance Agencies

**Q-4 Does your government restrict import of remanufactured goods?**

No data

**Q-5 Does your government regard remanufactured goods as secondhand goods, and regulate it as secondhand goods?**

No data

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

Enforcement and fraud in waste importation

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

Imported Solid Waste Regulation 20xx

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

To review regulation on waste importation

**Is this Goal relevant for your country?**  ☑ Highly  □ Partially  □ 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”)

<table>
<thead>
<tr>
<th>Data Type</th>
<th>Data Availability</th>
<th>Monitoring Base</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Good</td>
<td>Very limited</td>
</tr>
<tr>
<td>Waste generation</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Material flow</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Cyclical use</td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>Amount of final disposal</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Disposal to land</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Direct disposal to water</td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>Import of waste</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Export of waste</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Total landfilled waste</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Import of recyclables</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Export of recyclables</td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>Hazardous waste generation (solid, liquid, sludge, etc.)</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>e-waste generation</td>
<td>✓</td>
<td></td>
</tr>
</tbody>
</table>

(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?

To develop waste database structure

Challenges (policy/ institutional/ technological/ financial) faced in implementation:
Technical expertise, human resources and restricted financial allocation

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)
To establish waste database

Is this Goal relevant for your country?  ☐ Highly  ✅ Partially  ☐ Not at all
Voluntary Progress/Achievements/Initiatives in Implementing Ha Noi 3R Declaration (2013~2023)

MALAYSIA

### IV. 3R Goals for Cross-cutting Issues

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

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

Feed in tariff

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

Technical expertise, financial allocation and NIMBY syndrome

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

Solid Waste Management Policy 2016

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

To build Waste to Energy Plant in Kuala Lumpur

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

- [ ] Highly
- [x] Partially
- [ ] Not at all
### IV. 3R Goals for Cross-cutting Issues

<table>
<thead>
<tr>
<th>Goal 29</th>
<th>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.</th>
</tr>
</thead>
</table>

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

No data

**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?**

No data

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

No data

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

No data

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

No data

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

☐ Highly ☀ Partially ☐ Not at all
IV. 3R Goals for Cross-cutting Issues

<table>
<thead>
<tr>
<th>Goal 30</th>
<th>Pay special attention to issues and challenges faced by developing countries including SIDS in achieving sustainable development.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Q-1</strong> Please describe any past and on-going cooperation with SIDS (Small Island Developing States) countries in 3R areas.</td>
<td>No data</td>
</tr>
<tr>
<td><strong>Q-2</strong> Please list 3R related projects linked to climate change, biodiversity, disaster management and sustainable tourism. (This is to be reported by SIDS countries only)</td>
<td>No data</td>
</tr>
</tbody>
</table>

**Challenges (policy/ institutional/ technological/ financial) faced in implementation:**
No data

**Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant**
No data

**Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)**
No data

**Is this Goal relevant for your country?** ☐ Highly ☐ Partially ☐ Not at all
### IV. 3R Goals for Cross-cutting Issues

<table>
<thead>
<tr>
<th>Goal 31</th>
<th>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.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Q-1</td>
<td>What specific policies, programme, including pilot projects, are implemented to promote 3R+ “Return” concept? (This is to be reported by SIDS countries only)</td>
</tr>
<tr>
<td></td>
<td>No data</td>
</tr>
</tbody>
</table>

| Challenges (policy/ institutional/ technological/ financial) faced in implementation: |
| No data |

| Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant |
| No data |

| Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021) |
| No data |

<table>
<thead>
<tr>
<th>Is this Goal relevant for your country?</th>
<th>☐ Highly</th>
<th>☐ Partially</th>
<th>☐ Not at all</th>
</tr>
</thead>
</table>

### IV. 3R Goals for Cross-cutting Issues

<table>
<thead>
<tr>
<th>Goal 32</th>
<th>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.</th>
</tr>
</thead>
</table>

#### Q-1 What is the approximate market size (in US$) of the informal waste sector?
No data

#### Q-2 Number of annual labor inspections in waste sector?
No data

#### Q-3 Is health insurance a mandatory to all informal workers in waste sector by law?
No

#### Q-4 What specific policies and enforcement mechanisms are in place to prevent illegal engagement of children in waste sector?
None

#### Q-5 Number of landfill sites accessible to register waste pickers?
Only 2.

#### Q-6 Average life span of informal waste workers?
No data

#### Q-7 Any government vaccination programmes for informal waste workers?
None

#### Q-8 Any public awareness programmes for informal waste workers on health and safety measures?
None

**Challenges (policy/institutional/technological/financial) faced in implementation:**
Financial allocation and cross ministerial collaboration

**Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant**
None

**Important policies/programs/projects/master plans the government plans to undertake within next five years (2016–2021)**
None

**Is this Goal relevant for your country?**
- [ ] Highly
- [ ] Partially
- [x] Not at all
<table>
<thead>
<tr>
<th>IV. 3R Goals for Cross-cutting Issues</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Goal 33</strong></td>
</tr>
<tr>
<td><strong>Q-1 Please give a brief assessment on how the national, provincial and municipal governments incorporate gender considerations in waste reduction, reuse and recycle.</strong></td>
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<tr>
<td><strong>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</strong></td>
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<tr>
<td><strong>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</strong></td>
</tr>
<tr>
<td><strong>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</strong></td>
</tr>
<tr>
<td><strong>Is this Goal relevant for your country?</strong></td>
</tr>
</tbody>
</table>