

Seventh Regional 3R Forum in Asia and the Pacific

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

Adelaide, SA, Australia, 2-4 November 2016

Country Report

(Draft)

< Tuvalu >

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

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

Country Name: Tuvalu

**Country 3R Progress
Report**

Name of the Country: Tuvalu

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Telakau, Director, Solid Waste Agency of Tuvalu (SWAT)**

**Other Ministries, Organizations, Agencies contributing to
Country Report:**

**Timeline of Submission: 15 September 2016 (Email:
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Progress and achievements towards implementation of the Ha Noi 3R Declaration

-Sustainable 3R Goals for Asia and the Pacific (2013-2023)-

With the objective of demonstrating renewed interest and commitment of Asia-Pacific countries towards realizing a resource efficient society, the Fourth Regional 3R Forum in Asia-Pacific in 2013 adopted the good-will and legally non-binding “*Ha Noi 3R Declaration – Sustainable 3R Goals for Asia and the Pacific 2013-23.*” The objective of the Country Reporting is to share among international community various initiatives launched and efforts made (such as new policy instruments, legislations, regulations, institutional arrangements, investments or financing, technological innovation or intervention, partnership mechanisms, such as PPPs, etc.) by the member countries of the Forum in addressing each of the underlined goals of the Ha Noi 3R Declaration. This would not only help the member countries to learn various 3R best practices in place across the region, but it would also help bi-lateral and multi-lateral development agencies, donors, development banks in assessing the sustainable needs and challenges to better devise their existing as well as future capacity building programmes and technical assistance in the areas of 3Rs and sustainable waste management.

We request you to kindly fill in the below table as much as possible with relevant data/information. If additional spaces are required, separate sheets could be attached.

Thank you very much for your kind cooperation.

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

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

Goal 1 Significant **reduction** in the quantity of **municipal solid waste** generated, by instituting policies, programmes, and projects at national and local levels, encouraging both producers and consumers to reduce the waste through greening production, greening lifestyle, and sustainable consumption.

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

1. Waste Operations and Services Act
2. Diversion of Green Wastes for Composting Programme
3. Scrap metals and aluminum can recycling programme – Katoaga Recycling Company
4. Environment Protection Litter and Waste Control Regulation
5. Awareness programmes for communities on waste management including the 3Rs
6. Currently working with households to segregate wastes at the household level
7. Tuvalu Integrated Waste Policy and Action Plan 2017-2026
8. Development of waste levy for imports.

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

- **US\$19.90 per capita** in municipal solid waste management in 2013
- **US\$22.18 per capita** in municipal solid waste management in 2014

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

- Enforcement of regulation is weak due to lack of enforcement officers
- Lack of human resources to successfully implement activities
- Lack of proper equipments to assist with waste management due to high costs in procuring as well as maintenance.
- Lack of knowledge and capacity for staffs to better implement activities on waste management.
- Behavioral change of the society and society to adapt to new practices.
- Lack of funding to implement 3R initiatives.

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

1. Tuvalu Integrated Waste Policy and Action Plan 2017-2026
2. International Waters (IW) Project - Pilot project for pig waste management
3. Waste Operations and Services Act
4. Waste Operations and Services Regulation (still under development)

I. 3R Goals in Urban/Industrial Areas (3Rs in municipal solid waste)	
Goal 1	Significant reduction in the quantity of municipal solid waste generated, by instituting policies, programmes, and projects at national and local levels, encouraging both producers and consumers to reduce the waste through greening production, greening lifestyle, and sustainable consumption.
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i>	
<ol style="list-style-type: none"> 1. Tuvalu Integrated Waste Policy and Action Plan 2017-2026 2. International Waters (IW) Project - Pilot project for pig waste management and composts 3. Te Kakeega III (TKIII) National Strategy for Sustainable Development 2016-2020 4. Ministry of Home Affairs and Rural Development Corporate Plan 2016-2018 5. Tuvalu Government Roadmap 2015-2019 	
<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>	
<ol style="list-style-type: none"> 1. Tuvalu Integrated Waste Policy and Action Plan 2017-2026 2. International Waters (IW) Project - Pilot project for pig waste management and composts 3. Implementation of the Cost and Benefit Analysis on Green waste management in Funafuti. 	
<i>Q-2 What is happening to country's organic waste?</i> (Please check the appropriate box)	
<input 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 <input checked="" type="checkbox"/> Others – Organic wastes are also used for composting and pig feeds.	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
<ul style="list-style-type: none"> • No proper equipments or technology available to better manage wastes that can be recycled and reused. • Lack of enforcement of regulation • Need more human resources to successfully implement the 3Rs Programmes. • Lack of capacity for staffs to better manage wastes. • Lack of community interest, commitment and incentives to do composting and gardening due to limited land available. • Difficulties in promoting waste segregation among members of the society. 	

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.
<p><i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i></p> <ol style="list-style-type: none"> 1. Green waste diversion for composting programme. 2. Food wastes are used for pig feeds. 3. International Waters (IW) Project - Pilot project for pig waste management and composts 	
<p><i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i></p> <ol style="list-style-type: none"> 1. Tuvalu Integrated Waste Policy and Action Plan 2017-2026 2. International Waters (IW) Project - Pilot project for pig waste management and composts 3. Te Kakeega III (TKIII) National Strategy for Sustainable Development 2016-2020 4. Ministry of Home Affairs and Rural Development Corporate Plan 2016-2018 5. Tuvalu Government Roadmap 2015-2019 	
<p><i>Is this Goal relevant for your country?</i> <input checked="" type="checkbox"/> Highly <input type="checkbox"/> Partially <input type="checkbox"/> Not at all</p>	

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

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

Q-1 What is the recycling rate of various recyclables? (Please check the appropriate cell & add more waste streams as relevant for the country)

Rate \ Type	Very High (>90%)	High (>70%)	Average (50~60%)	Poor (<50%)	Recycling does not exist	Definition of recycling rate*
Paper					✓	
Plastic					✓	
Metal				✓		No data available
Construction waste					✓	
e-waste					✓	
others						

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

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

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

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

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

1. Tuvalu Integrated Waste Policy and Action Plan 2017-2026

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					✓
Organic wastes		✓			

(Please check the appropriate cell & add more waste streams as relevant for the country)

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-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			✓	✓	

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.
<p><i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i></p> <ul style="list-style-type: none"> • Lack of capacity in country to carry out recycling programmes. • Exporting freight for scrap metals is high. • Insufficient funds to export recyclables such as plastic, paper, etc. • Hard to get recycling companies that will accept recyclable wastes. • Lack of human resources under the private recycler to carry out recycling activities. • Lack of proper equipments needed for recycling activities in country. • No recycling facility or industry available in country. • Not a party to the Basel Convention to facilitate the exportation of the recyclable wastes overseas. 	
<p><i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i></p> <ol style="list-style-type: none"> 1. Recycling programme under the Katoaga Recycling Company that deals only with scrap metals and aluminum cans. 2. Tuvalu Integrated Waste Policy and Action Plan 2017-2026 	
<p><i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i></p> <ol style="list-style-type: none"> 1. Tuvalu Integrated Waste Policy and Action Plan 2017-2026 2. International Waters (IW) Project - Pilot project for pig waste management and composts 3. Te Kakeega III (TKIII) National Strategy for Sustainable Development 2016-2020 4. Ministry of Home Affairs and Rural Development Corporate Plan 2016-2018 5. Tuvalu Government Roadmap 2015-2019 	
<p><i>Is this Goal relevant for your country?</i> <input checked="" type="checkbox"/> Highly <input type="checkbox"/> Partially <input type="checkbox"/> Not at all</p>	

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>	
1. Tuvalu Integrated Waste Policy and Action Plan 2017-2026	
<i>Q-2 What are the major waste management areas that have strong involvement of private and business sector?</i> (Please check appropriate boxes and add other areas if not listed below)	
<input type="checkbox"/> waste collection <input checked="" type="checkbox"/> resource recovery <input type="checkbox"/> waste recycling <input type="checkbox"/> waste to energy, composting, etc. <input type="checkbox"/> PPP projects in waste sector	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
<ul style="list-style-type: none"> • Lack capacity and resources • Insufficient funding support to implement such initiatives. • Lack of proper technology and equipment to build sustainable cities or green cities. • Land lease issues. 	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
1. Tuvalu Integrated Waste Policy and Action Plan 2017-2026	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i>	
1. Tuvalu Integrated Waste Policy and Action Plan 2017-2026 2. International Waters (IW) Project - Pilot project for pig waste management and composts 3. Te Kakeega III (TKIII) National Strategy for Sustainable Development 2016-2020 4. Ministry of Home Affairs and Rural Development Corporate Plan 2016-2018 5. Tuvalu Government Roadmap 2015-2019	
<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 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>	
None	
<i>Q-2 What are the capacity building programmes currently in place to build the technical capacity of SMEs in 3R areas?</i>	
None	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
<ul style="list-style-type: none"> • Lack funding to implement activities with private sector. • Lack capacity and technical expertise to implement activities. 	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
None	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i>	
None	
<i>Is this Goal relevant for your country?</i> <input type="checkbox"/> Highly <input checked="" type="checkbox"/> Partially <input type="checkbox"/> Not at all	

I. 3R Goals in Urban/Industrial Areas (3Rs in Industrial waste)	
Goal 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 checked="" 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 type="checkbox"/> High (>70%) <input type="checkbox"/> Average (50~70%) <input type="checkbox"/> Low or not satisfactory (< 50%) <input checked="" 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>	
None	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
None	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
None	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i>	
None	
<i>Is this Goal relevant for your country?</i> <input type="checkbox"/> Highly <input checked="" type="checkbox"/> Partially <input type="checkbox"/> Not at all	

I. 3R Goals in Urban/Industrial Areas (3Rs in Industrial waste)	
Goal 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>	
None	
<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>	
None	
<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	

I. 3R Goals in Urban/Industrial Areas (3Rs in Industrial waste)	
Goal 8	Build local capacity of both current and future practitioners, to enable the private sector (including SMEs) to obtain the necessary knowledge and technical skills to foster green industry and create decent, productive work.
<i>Q-1 How many dedicated training facilities or centers are there to cater the needs of SMEs and practitioners in the areas of cleaner production, resource efficiency and environment-friendly technologies, etc.?</i>	
N/A	
<i>Q-2 Please provide an indicative figure on annual government (US \$) expenditure on building technical capacity of SMEs and practitioners in the areas of cleaner production, resource efficiency and environment-friendly technologies, etc.?</i>	
N/A	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
None	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i>	
None	
<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 9	Develop proper classification and inventory of hazardous waste as a prerequisite towards sound management of such waste.
<p><i>Q-1 Is there a systematic classification of hazardous waste? If so, please attach.</i></p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	
<p><i>Q-2 What specific rules and regulations are introduced to separate, store, treat, transportation and disposal of hazardous waste?</i></p> <p>1. Tuvalu Integrated Waste Policy and Action Plan 2017-2026 2. Waste Operations and Services Act</p>	
<p><i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i></p> <ul style="list-style-type: none"> • Limited storage space for hazardous wastes. • No proper facility available for disposing of hazardous wastes. • Lack knowledge and capacity in country to deal with hazardous wastes. • Lack of funding to better execute what is needed. • Classification and inventory of hazardous wastes. • No database in place. 	
<p><i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i></p> <p>None</p>	
<p><i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i></p> <p>1. Tuvalu Integrated Waste Policy and Action Plan 2017-2026 2. Waste Operations and Services Act</p>	
<p><i>Is this Goal relevant for your country?</i> <input checked="" type="checkbox"/> Highly <input type="checkbox"/> Partially <input type="checkbox"/> Not at all</p>	

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>	
<ol style="list-style-type: none"> 1. Tuvalu Integrated Waste Policy and Action Plan 2017-2026 2. Composting program and awareness. 	
<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>	
No.	
<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 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>	
<ul style="list-style-type: none"> • New initiatives on farming system approach for farmers to quickly learn and appreciate. • Lack of knowledge and capacity in country. • No policy in place. 	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
<ol style="list-style-type: none"> 1. GCCA Agro Forestry Project 2. Agriculture National Strategic Plan 2014-2023 3. Global Climate Change Alliances 	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i>	
<ol style="list-style-type: none"> 1. Tuvalu Integrated Waste Policy and Action Plan 2017-2026 2. International Waters (IW) Project - Pilot project for pig waste management and composts 3. Te Kakeega III (TKIII) National Strategy for Sustainable Development 2016-2020 	
<i>Is this Goal relevant for your country?</i> <input type="checkbox"/> Highly <input checked="" type="checkbox"/> Partially <input type="checkbox"/> Not at all	

II. 3R Goals in Rural Areas	
Goal 11	Promote full scale use of agricultural biomass waste and livestock waste through reuse and/or recycle measures as appropriate, to achieve a number of co - benefits including GHG emission reduction, energy security, sustainable livelihoods in rural areas and poverty reduction, among others.
<i>Q-1 How much amount of – (a) agricultural biomass waste and (b) livestock waste are grossly generated per annum?</i>	
No data available.	
<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"/> as secondary raw material input (for paper, bioplastic, furniture, etc.) <input checked="" type="checkbox"/> biogas/electricity generation <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>	
<ol style="list-style-type: none"> 1. Agriculture National Strategic Plan 2014-2023 2. Tuvalu Integrated Waste Policy and Action Plan 2017-2026 	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
<ul style="list-style-type: none"> • Lack of capacity and knowledge. • Lack funds. • Lacks of consultations were not done in a proper channel or manner for the project to meet the needs of Tuvalu. • Lack of trainings and awareness. • Lack of equipments and technology to implement such initiative. 	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
<ol style="list-style-type: none"> 1. Nanumea Biomass funded by AUSAID. 2. Amatuku Biomass funded by AUSAID (Unsuccessful). 3. Waste Biomass funded by AUSAID (Incomplete and unsuccessful). 4. Amatuku and Nanumea Biogas chamber for cooking funded by USP EU Global Climate Change Alliance Project. 	

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>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i>	
<ol style="list-style-type: none"> 1. Agriculture National Strategic Plan 2014-2023 2. Tuvalu Integrated Waste Policy and Action Plan 2017-2026 3. International Waters (IW) Project - Pilot project for pig waste management and composts 4. Te Kakeega III (TKIII) National Strategy for Sustainable Development 2016-2020 	
<i>Is this Goal relevant for your country?</i> <input type="checkbox"/> Highly <input checked="" type="checkbox"/> Partially <input type="checkbox"/> Not at all	

III. 3R Goals for New and Emerging Wastes	
Goal 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>	
<ol style="list-style-type: none"> 1. Tuvalu Integrated Waste Policy and Action Plan 2017-2026 2. Te Kakeega III (TKIII) National Strategy for Sustainable Development 2016-2020 3. Tuvalu Government Roadmap 2015-2019 4. Environment Protection Act 2007 5. Environment Protection (Litter and Waste Control) Regulations 2013 6. Waste Operations and Services Act 2009 	
<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 checked="" 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 particulates (<5 mm) on coastal and marine species? If yes, please provide relevant websites.</i>	
<p><i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i></p> <ul style="list-style-type: none"> • Changing of attitudes and behavior of Tuvaluans. • Changing of lifestyles. • Insufficient funds. • Increase importation of plastics to Tuvalu. • Lack of awareness and training at the National level. • Enforcement of laws and regulations. 	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
<ol style="list-style-type: none"> 1. Conservation areas. 2. Cleaning up programs 3. Awareness programs 	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i>	
<ol style="list-style-type: none"> 1. Tuvalu Integrated Waste Policy and Action Plan 2017-2026 2. Te Kakeega III (TKIII) National Strategy for Sustainable Development 2016-2020 3. Tuvalu Government Roadmap 2015-2019 4. Environment Protection Act 2007 5. Environment Protection (Litter and Waste Control) Regulations 2013 6. Waste Operations and Services Act 2009 	
<i>Is this Goal relevant for your country?</i> <input checked="" type="checkbox"/> 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	
✓	1	Take to recycling center / resource recovery facilities
✓	2	Take to landfill
		Take to the retailer
		Take to local charity for re-use
		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)?
None

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:

- Still in a developing stage for e-waste programme.
- Lack capacity and training to carry e-waste management.
- No recycling facility in country as well as recycling centers.
- No proper equipment for handling/sorting/resource recovery/recycling of e-wastes.
- Lack funding support to assist with the e-waste program.

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

1. Tuvalu Integrated Waste Policy and Action Plan 2017-2026

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>	
<ol style="list-style-type: none"> 1. Tuvalu Integrated Waste Policy and Action Plan 2017-2026 2. Environment Protection Act 2007 3. Environment Protection (Litter and Waste Control) Regulations 2013 4. Waste Operations and Services Act 2009 	
<i>Is this Goal relevant for your country?</i> <input checked="" type="checkbox"/> 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>	
<ol style="list-style-type: none"> 1. Tuvalu is a party to the Waigani Convention 	
<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 checked="" type="checkbox"/> No	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
<ul style="list-style-type: none"> • Lack funds and resources • Lack capacity and knowledge to carry out activity • Lack of proper coordination at the national level e.g. Environment Department, Customs and SWAT. • Lack of training and awareness. 	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
None	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i>	
<ol style="list-style-type: none"> 1. Tuvalu Integrated Waste Policy and Action Plan 2017-2026 2. Environment Protection Act 2007 3. Environment Protection (Litter and Waste Control) Regulations 2013 4. Waste Operations and Services Act 2009 	
<i>Is this Goal relevant for your country?</i> <input checked="" type="checkbox"/> 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.
<p><i>Q-1 What specific Extended Product Responsibility (EPR) policies are enacted or introduced? (If there is none, then skip Q-2 below)</i></p> <ol style="list-style-type: none"> 1. Tuvalu Integrated Waste Policy and Action Plan 2017-2026 2. Environment Protection Act 2007 3. Environment Protection (Litter and Waste Control) Regulations 2013 4. Waste Operations and Services Act 2009 <p><i>Q-2 Please provide a list of products and product groups targeted by EPR nationally?</i> The list is not finalized and needs to be endorsed.</p>	
<p><i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i></p> <ul style="list-style-type: none"> • Lack of capacity and knowledge. • Lack of training and awareness. • Lack of funding to implement the EPR program. • Lack human resources to carry out and enforce the EPR program. 	
<p><i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i></p> <ol style="list-style-type: none"> 1. Waste Levy for imports (under development) 	
<p><i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i></p> <ol style="list-style-type: none"> 1. Tuvalu Integrated Waste Policy and Action Plan 2017-2026 2. Waste Operations and Services Act 2009 	
<p><i>Is this Goal relevant for your country?</i> <input checked="" type="checkbox"/> Highly <input type="checkbox"/> Partially <input type="checkbox"/> Not at all</p>	

III. 3R Goals for New and Emerging Wastes	
Goal 16	Promote the 3R concept in health-care waste management.
<i>Q-1 What specific policies and regulations are in place for healthcare waste management?</i>	
<ol style="list-style-type: none"> 1. Tuvalu Integrated Waste Policy and Action Plan 2017-2026 2. Waste Operations and Services Act 2009 3. Public Health Act 2008 	
<i>Q-2 What is the total annual government expenditure towards healthcare waste management (US\$ per year)?</i>	
US\$7,000	
<i>Q-3 List the agencies or authorities responsible for healthcare waste management.</i>	
Solid Waste Agency of Tuvalu (SWAT) – This will be transferred to the Ministry of Health soon.	
<i>Q-4 What is the common practice for disposal of healthcare wastes?</i>	
(Please check the appropriate box and add if any other practice followed)	
<input type="checkbox"/> open dumping (untreated) <input type="checkbox"/> open burning (untreated) <input type="checkbox"/> ordinary landfilling (untreated) <input type="checkbox"/> sanitary landfilling (treated) <input checked="" type="checkbox"/> Low cost small scale incineration (do not meet air emission standards) <input checked="" type="checkbox"/> Highly controlled air incineration (dedicated/modern medical waste incinerators) – Note that this will be use soon once all the installation is ready. <input type="checkbox"/> Other methods (please specify names:)	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
<ul style="list-style-type: none"> • Lack of capacity and knowledge on how to deal with health care wastes. • Need more national trainings and awareness on health care wastes. 	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
1. Health care waste collection and disposal programme.	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i>	
<ol style="list-style-type: none"> 1. Tuvalu Integrated Waste Policy and Action Plan 2017-2026 2. Waste Operations and Services Act 2009 3. Public Health Act 2008 	
<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 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>	
None	
<i>Q-2 What specific energy efficiency schemes are introduced for production, manufacturing and service sector?</i>	
None	
<i>Q-3 What specific policies are introduced to create green jobs in product and waste sector?</i>	
None	
<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>	
None	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i>	
None	
<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 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>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 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>	
None	
<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>	
None	
<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>	
None	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i>	
None	
<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 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"/> Industrial Association <input checked="" type="checkbox"/> Local Government <input type="checkbox"/> Academic Institution <input type="checkbox"/> Others, please add/specify () </p>	
<p>Q-2 What is the level of NGOs' involvement in 3R, sustainable production and consumption, resource efficiency related promotional activities? (Please check the appropriate box)</p> <p> <input type="checkbox"/> Very high <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 type="checkbox"/> Very high <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> Low <input type="checkbox"/> Almost Negligible </p>	
<p>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</p> <ul style="list-style-type: none"> • Lack funds and resources. • Lack National training and awareness. • Poor coordination with stakeholders 	
<p>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</p> <ol style="list-style-type: none"> 1. Katoaga Recycling Company recycling scrap metals and aluminum cans. 2. Awareness programmes on waste management. 	
<p>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</p> <ol style="list-style-type: none"> 1. Tuvalu Integrated Waste Policy and Action Plan 2017-2026 2. Te Kakeega III (TKIII) National Strategy for Sustainable Development 2016-2020 3. Tuvalu Government Roadmap 2015-2019 4. Environment Protection Act 2007 5. Environment Protection (Litter and Waste Control) Regulations 2013 6. Waste Operations and Services Act 2009 	
<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>	
3R was integrated into Health and Social Science subjects at Primary Level.	
<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>	
<ol style="list-style-type: none"> 1. Tuvalu Integrated Waste Policy and Action Plan 2017-2026 2. Te Kakeega III (TKIII) National Strategy for Sustainable Development 2016-2020 3. Awareness programs focusing on 3R for communities and schools. 	
<i>Q-3 Please provide a list of academic and research institutions offering PhD programmes in the areas of 3Rs and resource efficiency?</i>	
None	
<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>	
None	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
<ul style="list-style-type: none"> • Lack funds and resources. • Lack awareness due to limited funds available. • Need assistance in the integration of the 3Rs in formal education. • Long procedures and process to integrate the 3Rs in formal education. 	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
<ol style="list-style-type: none"> 1. Tuvalu Integrated Waste Policy and Action Plan 2017-2026 	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i>	
<ol style="list-style-type: none"> 1. Tuvalu Integrated Waste Policy and Action Plan 2017-2026 2. Te Kakeega III (TKIII) National Strategy for Sustainable Development 2016-2020 	
<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 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>	
<ol style="list-style-type: none"> 1. Solid Waste Agency of Tuvalu (SWAT) 2. Agriculture Department 	
<i>Q-2 What type of coordination mechanism are there among ministries and agencies for a resource efficient economic development?</i>	
<input type="checkbox"/> Official regular coordination meeting among ministries and agencies <input type="checkbox"/> Official ad-hoc coordination meeting among ministries and agencies <input checked="" type="checkbox"/> Informal meeting among ministries and agencies <input type="checkbox"/> Other coordination mechanisms (please add/specify)	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
<ul style="list-style-type: none"> • Lack funding and resources. • Coordination with other Ministries. • Need National Training on 3R. 	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
<ol style="list-style-type: none"> 1. Tuvalu Integrated Waste Policy and Action Plan 2017-2026 	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i>	
<ol style="list-style-type: none"> 1. Tuvalu Integrated Waste Policy and Action Plan 2017-2026 2. Te Kakeega III (TKIII) National Strategy for Sustainable Development 2016-2020 	
<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>	
None	
<i>Q-2 Please provide details of eco-labelling schemes of your country.</i>	
None	
<i>Q-3 Please provide a list of criteria for eco-labeled products and services in your country.</i>	
None	
<i>Q-4 Please provide the list of Ministries and major Government Agencies which have adopted green procurement policy.</i>	
None	
<i>Q-5 What % of municipalities have adopted the green procurement policy?</i>	
None	
<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>	
None	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i>	
None	
<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>	
<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 25	Protect public health and ecosystems, including freshwater and marine resources by eliminating illegal activities of open dumping, including dumping in the oceans, and controlling open burning in both urban and rural areas.
<i>Q-1 Is waste management a public health priority in your country?</i>	
Yes.	
<i>Q-2 What are the rules and regulations to prevent open dumping and open burning of waste?</i>	
<ol style="list-style-type: none"> 1. Environment Protection Act 2007 2. Environment Protection (Litter and Waste Control) Regulations 2013 3. Waste Operations and Services Act 2009 	
<i>Q-3 Rank the five most important rivers in terms of water quality (BOD values) passing through major cities and urban areas?</i>	
None.	
<i>Q-4 What are the specific laws, rules and regulations in place to prevent littering in river and water bodies?</i>	
<ol style="list-style-type: none"> 1. Environment Protection Act 2007 2. Environment Protection (Litter and Waste Control) Regulations 2013 3. Waste Operations and Services Act 2009 	
<i>Q-5 What are the specific laws, rules and regulations in place to prevent marine littering?</i>	
<ol style="list-style-type: none"> 1. Environment Protection Act 2007 2. Environment Protection (Litter and Waste Control) Regulations 2013 3. Waste Operations and Services Act 2009 4. Marine Pollution Act 1992 	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
<ul style="list-style-type: none"> • Lack enforcement of policy and regulations. • Lack funds and resources. • Lack human resources to implement and enforce laws. • Difficulties in changing behavior of communities. • Lack of awareness and training at the national level. • Lack of proper equipments to carry out testing of the pollution of water and marine. 	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
None	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i>	
<ol style="list-style-type: none"> 1. Environment Protection Act 2007 2. Environment Protection (Litter and Waste Control) Regulations 2013 3. Waste Operations and Services Act 2009 4. Marine Pollution Act 1992 5. Marine Pacific Pollution Programme 	

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

Country Name: Tuvalu

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.
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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? None	
Q-2 Please specify the regulation on transboundary movement of hazardous waste. Tuvalu is a member to the Waigani Convention but not a member to the Basel Convention.	
Q-3 If your government has restriction on import of non-hazardous waste or quality control of non-hazardous waste, please list it up. None	
Q-4 Does your government restrict import of remanufactured goods? No	
Q-5 Does your government regard remanufactured goods as secondhand goods, and regulate it as secondhand goods? No	
Challenges (policy/ institutional/ technological/ financial) faced in implementation: <ul style="list-style-type: none"> • Lack of awareness and training at the national level. • Lack funds and resources. • No policy in place. • Tuvalu is not a member to the Basel Convention but is a member to the Waigani Convention. 	
Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant None	
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 type="checkbox"/> Highly <input checked="" 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?

1. Tuvalu Integrated Waste Policy and Action Plan 2017-2026
2. Te Kakeega III (TKIII) National Strategy for Sustainable Development 2016-2020

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

- No database in place for waste management.
- Lack training and awareness.
- Lack knowledge and capacity.

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

None

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.
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i>	
<ol style="list-style-type: none"> 1. Tuvalu Integrated Waste Policy and Action Plan 2017-2026 2. Te Kakeega III (TKIII) National Strategy for Sustainable Development 2016-2020 	
<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 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>	
<ol style="list-style-type: none"> 1. Tuvalu Integrated Waste Policy and Action Plan 2017-2026 2. Te Kakeega III (TKIII) National Strategy for Sustainable Development 2016-2020 	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
<ul style="list-style-type: none"> • Lack of training and capacity building in waste-to-energy. • Lack funding • Lack resources • Lack of proper technology to implement such new initiatives of waste-to-energy. 	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
None	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i>	
<ol style="list-style-type: none"> 1. Tuvalu Integrated Waste Policy and Action Plan 2017-2026 2. Te Kakeega III (TKIII) National Strategy for Sustainable Development 2016-2020 	
<i>Is this Goal relevant for your country?</i> <input type="checkbox"/> Highly <input checked="" type="checkbox"/> Partially <input type="checkbox"/> Not at all	

IV. 3R Goals for Cross-cutting Issues	
Goal 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>	
<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>	
<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 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>	
<ul style="list-style-type: none"> • Waigani convention. • Stockholm convention. • SPREP Regional trainings on 3R and waste management. 	
<i>Q-2 Please list 3R related projects linked to climate change, biodiversity, disaster management and sustainable tourism. (This is to be reported by SIDS countries only)</i>	
None	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
<ul style="list-style-type: none"> • Compliance with obligations and best environmental practices and techniques of Waigani and Stockholm Convention. • Lack fund and resources. • Lack training and awareness. • Lack capacity and knowledge. 	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
None	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i>	
<ol style="list-style-type: none"> 1. Tuvalu Integrated Waste Policy and Action Plan 2017-2026 2. Te Kakeega III (TKIII) National Strategy for Sustainable Development 2016-2020 	
<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 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>	
<ul style="list-style-type: none"> • Recycling of scrap metals and aluminum cans through exporting overseas. • Waste oils are exported to Fiji for recycling through the Pacific Energy Ltd. • Green wastes diversion for composting. 	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
<ul style="list-style-type: none"> • Limited scale of markets for recycled materials. • Market for scrap metals is low. • Exporting of recyclable wastes overseas is costly. • Lack of training and awareness to the Private Sector on 3R+Return. • Lack of proper equipments and technology for processing of recyclable wastes for export. • Lack of funds and resources. • No 3R+Return policy in place. 	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
<ol style="list-style-type: none"> 1. Exporting of scrap metals and aluminum can for recycling overseas by Katoaga Recycling Company. 2. Exporting of waste oils to Fiji by Pacific Energy Ltd. 3. Green waste diversion for composting by SWAT. 4. Waste Levy for imports. 	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i>	
<ol style="list-style-type: none"> 1. Tuvalu Integrated Waste Policy and Action Plan 2017-2026 2. Te Kakeega III (TKIII) National Strategy for Sustainable Development 2016-2020 	
<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 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>	
None	
<i>Q-2 Number of annual labor inspections in waste sector?</i>	
None	
<i>Q-3 Is health insurance a mandatory to all informal workers in waste sector by law?</i>	
No	
<i>Q-4 What specific policies and enforcement mechanisms are in place to prevent illegal engagement of children in waste sector?</i>	
None	
<i>Q-5 Number of landfill sites accessible to register waste pickers?</i>	
None	
<i>Q-6 Average life span of informal waste workers?</i>	
None	
<i>Q-7 Any government vaccination programmes for informal waste workers?</i>	
None	
<i>Q-8 Any public awareness programmes for informal waste workers on health and safety measures?</i>	
None	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
<ul style="list-style-type: none"> • Lack of training and awareness. 	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
None	
<i>Important policies/programs/projects/master plans the government plans to undertake within next five years (2016~2021)</i>	
None	
<i>Is this Goal relevant for your country?</i> <input type="checkbox"/> Highly <input checked="" type="checkbox"/> Partially <input type="checkbox"/> Not at all	

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

Country Name: Tuvalu

IV. 3R Goals for Cross-cutting Issues	
Goal 33	Promote 3Rs taking into account gender considerations.
<p><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> <p>Currently gender is considered in waste reduction, reuse and recycle programs. The National and Local Government ensure that gender is incorporated into all activities or programmes focusing in the promotion of the 3Rs.</p>	
<p>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</p> <ul style="list-style-type: none"> • Lack of awareness and training. • Lack of resources and funds. • Culture and the mindset of the communities. 	
<p>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</p> <p>None</p>	
<p>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</p> <ol style="list-style-type: none"> 1. Tuvalu Integrated Waste Policy and Action Plan 2017-2026 2. Te Kakeega III (TKIII) National Strategy for Sustainable Development 2016-2020 	
<p>Is this Goal relevant for your country? <input checked="" type="checkbox"/> Highly <input type="checkbox"/> Partially <input type="checkbox"/> Not at all</p>	