

**The Second State of the 3R and Circular Economy in Asia-Pacific
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Regional 3R and Circular Economy Forum in Asia and the Pacific

The Second State of the 3Rs and Circular Economy in Asia and the Pacific

– Advancing Circular Economy in Asia and the Pacific towards Achieving the Sustainable Development Goals (SDGs) –

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This sub-section will aim to address what 3Rs and Circular Economy can offer aftermath of COVID-19

3. Trends of 3R and Circular Economy in Asia and the Pacific

3.1. Trends in 3Rs and Waste Management Policies and Responses

This section will mainly build on by updating the First State of the 3Rs in Asia and the Pacific by addressing the same set of nine indicators selected from the Ha Noi 3R Declaration (2013-2023).

- 3.1.1. Reduction in the Quantity of Municipal Solid Waste Generated (Goal 1)
- 3.1.2. Increasing Recycling Rate of Recyclables (e.g., plastic, paper, metal, etc.) (Goal3)
- 3.1.3. Inventory of Hazardous Waste (Goal 9)
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3.2. Growing Volume and Diversification of Waste Streams with Presence of New Emerging Waste Streams

This section will focus on the emerging waste streams and issues corresponding to the goals and indicators of the Ha Noi 3R Declaration (2013-2023)

(SDG Tier1 and Tier 2 indicators will be used as applicable for 3.2.1. to 3.2.5.)

3.2.1. Plastic Waste

- Indicator 1: Total generation and recycling rate (%) of plastic
- Indicator 2: National policies concerning plastic waste
- SDG Tier1 and Tier 2 indicators as applicable

3.2.2. E-waste

- Indicator 3: Formal standards, certification system, and licensing procedures established and enforced
- Indicator 4: Number of state-of-the-art recycling facilities for e-waste
- SDG Tier1 and Tier 2 indicators as applicable

3.2.3. Chemical and Hazardous Waste

- Indicator 5: Proper classification and inventory of chemical and hazardous waste developed
- Indicator 6: Existence of framework for bilateral and multilateral cooperative activities toward efficient, legal, and appropriate trade of chemical and hazardous waste
- SDG Tier1 and Tier 2 indicators as applicable

3.2.4. Construction and Demolition Waste (including Disaster Waste)

- Indicator 7: Number of sectoral policies and programmes that have integrated 3R concepts
- Indicator 8: Existence of basic data on construction and demolition wastes required for policy-making, planning, implementation, and monitoring
- SDG Tier1 and Tier 2 indicators as applicable

3.2.5. Agricultural Biomass Waste

- Indicator 9: Amount of biomass waste and livestock waste generated
- Indicator 10: Amount of biomass waste and livestock waste recycled
- SDG Tier1 and Tier 2 indicators as applicable

3.2.6. Food Waste

- Indicator 11: Food waste landfilled per capita
- Indicator 12: Percentage of food loss at each stage of food supply chain
- SDG Tier1 and Tier 2 indicators as applicable

3.2.7. Data Issues on New Emerging Waste Streams

- SDG Tier1 and Tier 2 indicators as applicable

3.3. Conventional and Frontier Technologies in Advancing 3Rs and Circular Economy in Asia-Pacific

This section will address policy and technology choices made countries in following areas

3.3.1. Waste-to-Energy

3.3.2. Biobased plastics and Biodegradable Plastics

3.3.3. Used Tire for Roads Construction

3.3.4. Plastics as Alternative Timber (Australia)

3.3.5. Others

3.4. Progress towards Implementation of the Ha Noi 3R Declaration (2013-2023)

3.4.1. 3R Policy Implementation in Asia and the Pacific

3.4.2. Nationally Implemented 3R-Related Programmes, Projects, and Master Plans

- Introduction of a fee for plastic bags in Japan / New Integrated Plastics Resource

Management Policy of Japan (for example)

- Similar cases in Asia and the Pacific

4. Experts' Assessment of Policy Readiness for Related Ha Noi 3R Goals and Progress at National Level

This chapter will have comprehensive overview of the countries' progress made on the Ha Noi 3R Goals (2013-2023)

5. Main Recommendations

(General Note: each section should be linked to relevant SDGs.)