A Core Set of Indicators for Monitoring 3Rs Implementation

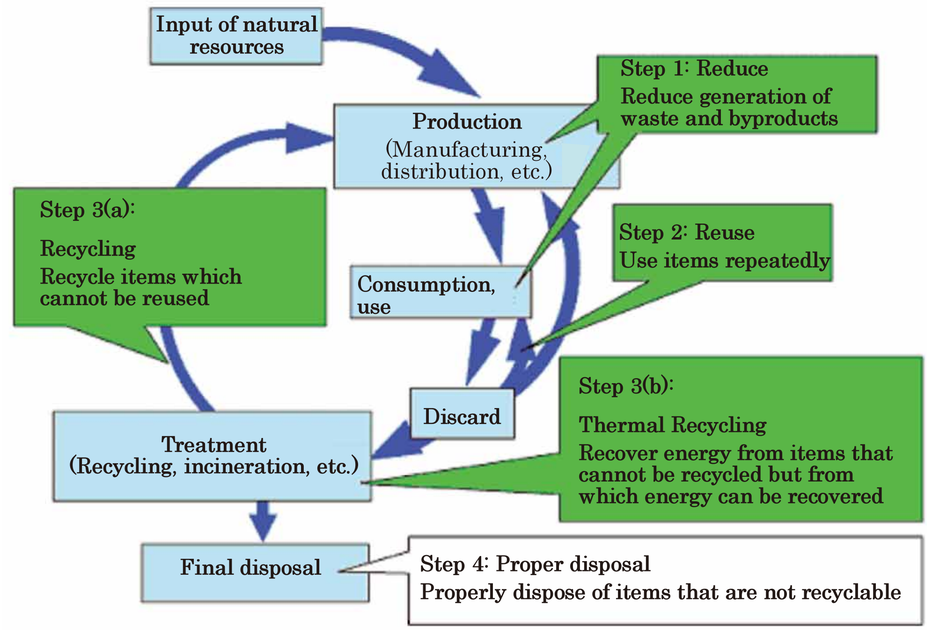
- Proposed for the member countries of Regional 3R Forum in Asia and the Pacific -

Issue

- It has been estimated that, compared with the 2010 level, global solid waste generation will increase by 113.2% by 2050 also resource consumption in Asia would reach 3 times more in 2050 compared to 2010. More serious concerns of waste-related environmental and health damages from improper waste treatment and mining activities.
- In Asia, countries are trying to address these issues by **promoting reduce, policies and reuse and recycling (3Rs)** for improving resource efficiency and waste management. Emphasis should shift from policy making to improved policy implementation.
- For **improved 3R policy implementation**, it is essential to **set clear policy targets** and review them regularly, which necessitates a **set of policy and performance indicators**.

Role of IGES

- At the 4th Regional 3R Forum in Asia and the Pacific in 2013, member countries of Regional 3R Forum in Asia and the Pacific agreed in **33 goals related to the 3Rs** and requested expert group to **come up with core set of indicators** to monitor the progress of these goals at regional level.
- To respond this request, **a core set of 9 indicators along with 11 factsheets** on the 3Rs is developed **by IGES and its partner organizations** and introduced at the 5th Regional 3R Forum in Asia and the Pacific in 2014. A basis for monitoring 3R implementation in the region.



The 3Rs for improving resource efficiency and waste management

Impacts

- Setting 3R-targets and indicators is expected to **clarify policy priorities** and to **facilitate knowledge and experience sharing** for improved policy implementation.
- **More visibility for regional effort** for promoting improved waste management and resource efficiency is expected by developing Asia Pacific 3R White Paper.

Nine Core Indicators for monitoring 3Rs implementation of the Regional 3R Forum in Asia and the Pacific

1. Total MSW Generated and Disposed and MSW Generation Per Capita (by weight)
2. Overall Recycling Rate and Target (%) and Recycling Rate of Individual Components of MSW
3. Amount of Hazardous Waste Generated and Disposed in Environmentally Sound Manner
4. Indicators based on macro-level material flows
5. Amount of agricultural biomass used
6. Marine & coastal plastic waste quantity
7. Amount of E-waste Generation, Disposal and Recycling. Existence of policies and guidelines for E-waste management
8. Existence of policies, guidelines, and regulations based on the principle of extended producer responsibility (EPR)
9. GHG Emission from waste sector

IGES

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Details available at http://pub.iges.or.jp/modules/envirolib/view.php?docid=4977