



2nd State of 3R and Circular Economy in Asia-Pacific (Series of Experts Workshop)



Experts Workshop VIII: 28 September 2021

(Japan Time: 14:30-16:00 PM)

Theme: *Chemical and Hazardous Waste Housekeeping*

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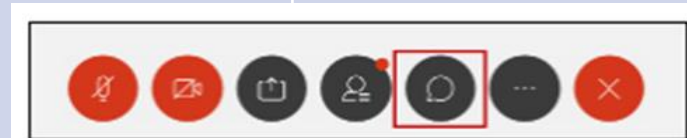
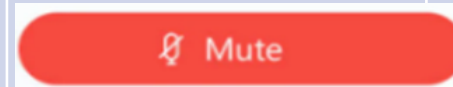
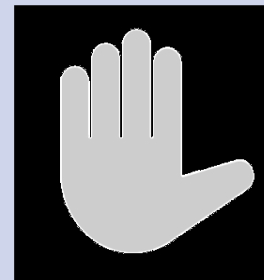
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Discussion Points

- Any major issues including new emerging issues that needs to be highlighted in this section.
- Any potential source of data, information, reports which could be useful for developing this chapter.
- Any specific box, graph and chart that could be included in this chapter. (For example, any new policy initiative that is very effectively working in a country should be add in box)

3.2.3. Chemical and Hazardous Waste

3.2.3.1. Regional Overview in Asia and the Pacific region

(Include - The status of resource circulation and waste management in each country/ region, together with comparative data of each indicator.)

- i. Definition (Include varies country by country) (Basel convention-Article 2)
- ii. Types of chemical and hazardous waste by sources of generation and Characteristics (and its risks??) (focus on specific types in Stockholm and Rotterdam Convention and GCO-Global Chemical Outlook)
- iii. Quantification and Generation of chemical and hazardous waste (2020-2030) in the region
- iv. Chemical and hazardous material consumption and material trade in the region (2020-2030)
- v. Negative impact on public health and environment

3.2.3.2. Overall Assessment on National Policies, Regulations, Standards and Inventory in Asia and the Pacific (include Minamata Convention and POPs contamination)

(Include - Organized information of policies and regulations designed for each sector in each country. In particular, it is important to make readers understand what are common & similar polices and challenging issues.)

(This 3.2.3.2. should be developed based on the Ha Noi 3R Goal 9 (HNG9. Indicator of the HNG9: develop proper classification and inventory of hazardous waste as a prerequisite towards sound management of hazardous waste).

- i. National policies and regulations including policy and institutional issues and technical gaps (include Implementation of the policies)
- ii. Occupational safety and health standards of waste workers (Include SDG 3: Ensure healthy lives and promote well-being for all at all ages)
- iii. Protective measures of informal and formal workers with regulatory framework
- iv. International conventions of chemicals and hazardous waste (Include- Number of parties to international multilateral environmental agreements on hazardous waste, and other chemicals that meet their commitments and obligations in transmitting information as required by each relevant agreement) (include Transboundary movement)
- v. Existence of framework for bilateral and multilateral cooperative activities (Include HNG26: 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).

3.2.3.3. Circular Economic opportunities of chemical and hazardous waste (include SAICM, Nano-material, Nano-technology, Green and Sustainable Chemistry)

(Include- The status of achievement in each sector based on Hanoi 3R Declaration and revealed problems to be solved. The section should consolidate Hanoi declaration and SDGs goals, and a discussion on the Post Hanoi declaration.)

(Include Target 12.4: By 2020, achieve the environmentally sound management of chemicals and all wastes throughout their life cycle, in accordance with agreed international frameworks, and significantly reduce their release to air, water and soil in order to minimize their adverse impacts on human health and the environment).

- i. Amount of illegal dumping and/or inappropriate disposal of chemical and hazardous waste and its sites (include - damage assessment)
- ii. Treatment technology, methods and capacity, and final disposal. (include Chemical management and POPs) and Clean Circularity
- iii. Insights from a various case study (include case -involvement of Informal sector) (Industrial Symbiosis- Eco-Town, Industrial clusters-- Case study- India)
- iv. 3Rs for reducing negative environmental impacts (include Case studies) (include Non-toxic circularity)

3.2.7.4. Conclusion and Way Forward