



Presentation on Solid Waste Management In Bhutan





Presentation overview

Current Situation: SWM in Bhutan

3Rs Initiatives

Awareness on SWM



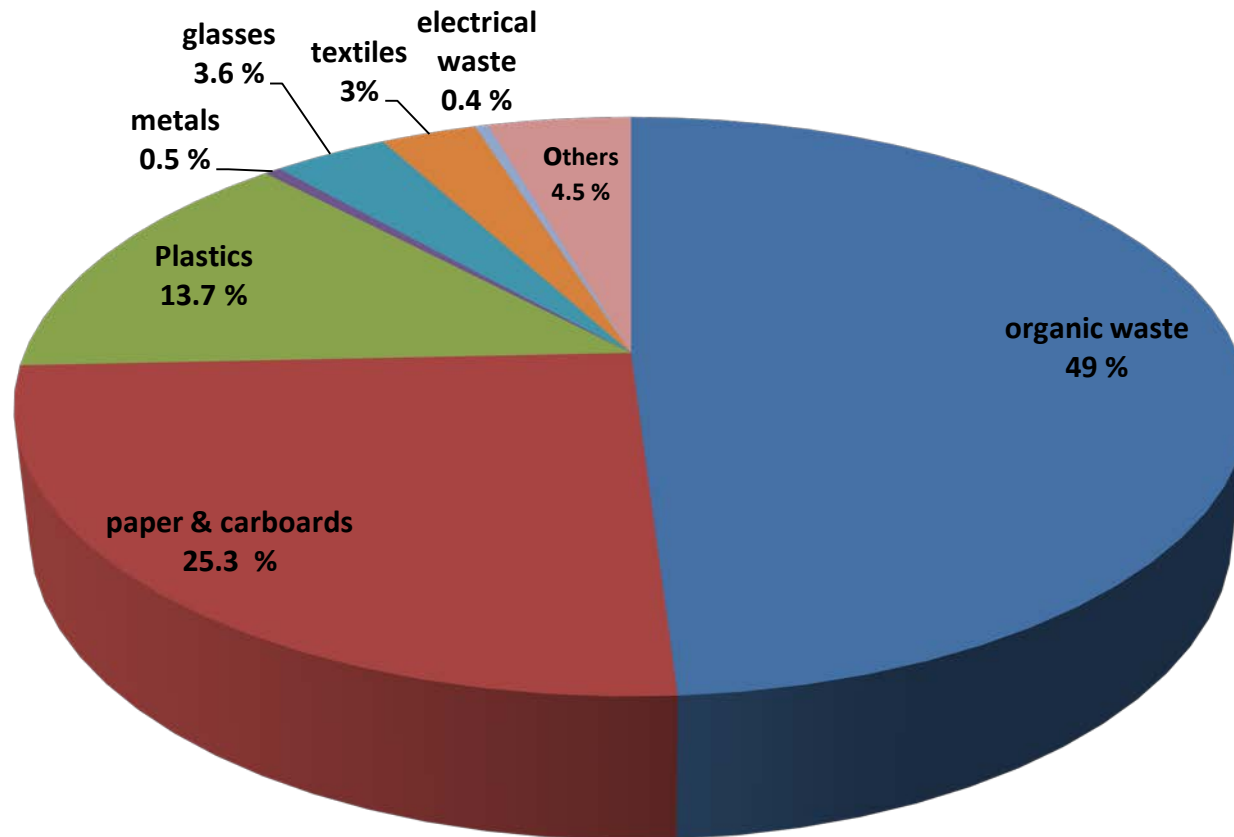
Current Situation: SWM in Bhutan

- ❑ The rapid urbanization and increase in population have resulted in increasing waste generated.
- ❑ 31% of total population lives in urban centre & more than 50% by 2020
- ❑ Garbage has become an emerging problems in many towns.
- ❑ Wastes range from non-biodegradable, hazardous wastes, and medical wastes to e-waste.



Current Situation: SWM in Bhutan

composition of waste type



Source : National Solid Waste Survey 2007



3Rs Initiatives

- ❑ The Waste Prevention and Management Act and Regulation, 2012 stipulates the promotion of the principles of 3Rs
- ❑ Reduce:
 - ❑ The Royal Government is initiating waste reduction through policy instruments like the Economic Development Policy, regulations and economic incentives.
 - ❑ These instruments have been designed to change and improve the consumption habits of the people



3Rs Initiatives

❑ Re-Use:

- ❑ In order to promote, reuse and recycling, waste segregation is an essential task. Hence, Thimphu and few other districts towns are implementing Public Private Partnership for Integrated Solid Waste Management where segregation of waste is carried out.
- ❑ High Organic content of MSW indicated opportunity for recycling of organic waste and therefore few compost plants are installed.



3Rs Initiatives



184 tonnes (Approximately) of organic waste converted to manure



3Rs Initiatives



Green Road:

A young entrepreneur has started using plastic waste on road.

- 100 tonnes of plastic waste used so far.
- 500 tonnes to be used this year



3Rs Initiatives



Egg Tray:

Bhutan Youth Development Fund, an NGO recycles waste paper to egg trays.

Recycles 15 tonnes of waste every month.



SWM awareness



Students and public carrying out cleaning campaigns



SWM awareness



Art Exhibition on Waste Management

THANK YOU