

HOLISTIC APPROACH TO WASTE MANAGEMENT

REPUBLIC OF MALDIVES



SOURCE SEGREGATION

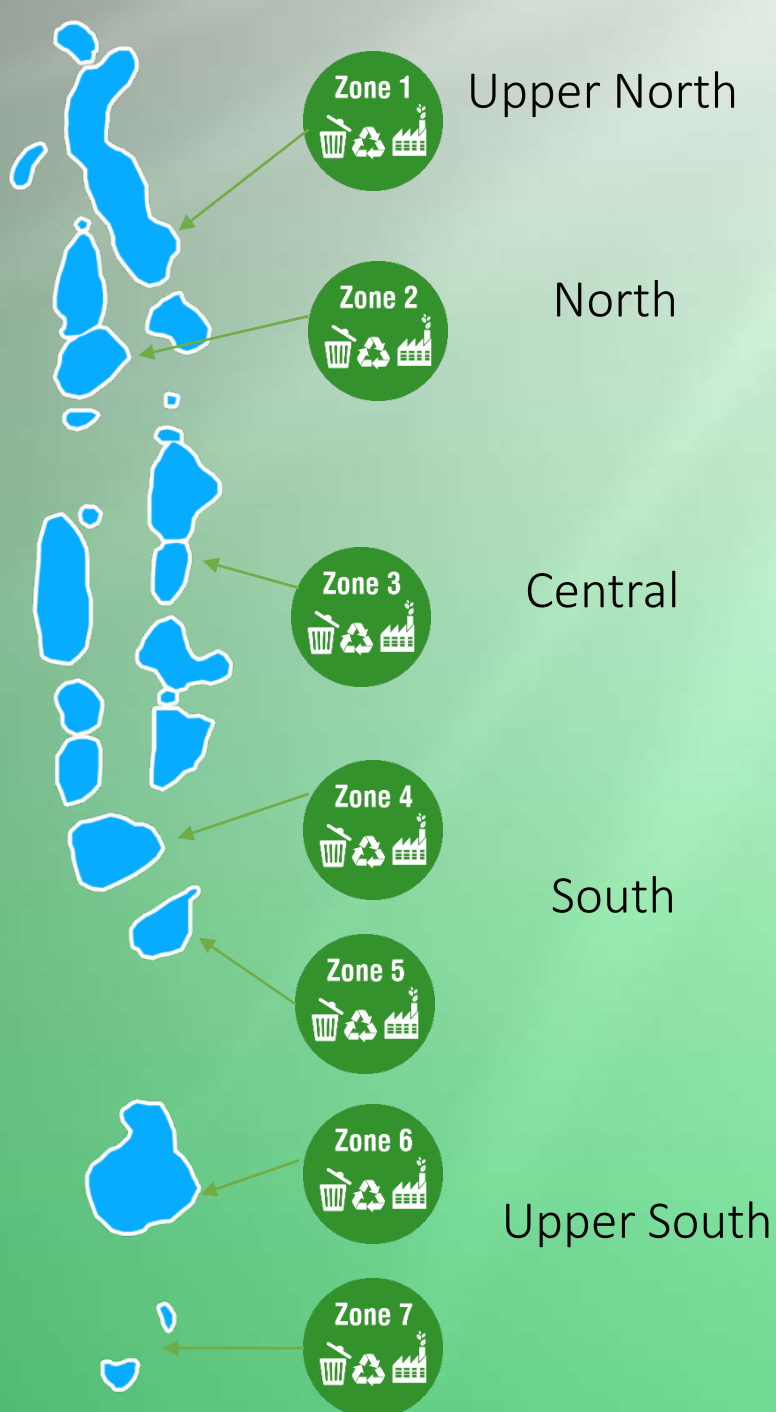
- In the 1st regional waste management pilot project the idea is to encourage source segregation to manage waste.
- 65% – 70% is organic waste
- To reduce transfer cost, organic waste is composted at island level
- Remaining % of waste is collected at the island waste management centre
- Island centres have a capacity to collect 2-3 months worth of waste

COLLECTION AND TRANSFER OF WASTE

- Waste collection is becoming efficient within the major cities as collection is done among households and commercial entities
- Waste transfer from islands hold several challenges
 - Newly developed Waste Management Corporation
 - Inefficient transfer of waste due to high cost
 - Insufficient regional waste management facilities
 - Waste collection fee payments by councils

REGIONAL WASTE MANAGEMENT FACILITIES

- Maldives had a central waste disposal island for the past two decades
- Currently we have one regional waste disposal facility in the north and the central disposal site
- Regional facility was developed under the first pilot project
- Landfill
- Leachate collection mechanism
- Waste to energy incinerator



Uniting against Poverty



Regional Waste Management Projects



IRENA **ADFD**
Supporting Energy Transition



TRIAL AND ERROR

- Maldives is new to the waste management technologies and is reliant on expert knowledge from other countries
- Composting with manual labour is successful in some islands and a failure in other islands.
- Current plans are to provide composting machinery to islands with trained mechanics
- Waste to energy with reduction in waste production and a proper recycling exports is the way forward for Maldives.

CURRENT WASTE MANAGEMENT SITUATION



THANK YOU

