

Session 4: Waste Statistics

Saint Lucia Waste Management

Waste types and sorting:

Waste categories arriving at waste management facilities

- ▶ Aircraft
- ▶ Asbestos
- ▶ Biomedical
- ▶ Beach Cleaning
- ▶ Bulky waste
- ▶ Coconuts
- ▶ Commercial
- ▶ Construction and Demolition
- ▶ Condemned Foods
- Institutional Waste
- Derelict Vehicles/Metals/White Goods
- Farm/Poultry
- Fiberglass
- Green
- Hotel
- Pharmaceutical
- Residential/Institutional Waste
- Ship
- Street Cleanings
- Tires

Waste Collection and disposal

- ▶ The Saint Lucia Solid Waste Management Authority has perhaps the only website in the Caribbean which provides data on waste management in Saint Lucia
- ▶ Provides a garbage collection service to 100% of residents in the island.
- ▶ Regular collection service and a monthly bulky waste collection service.
- ▶ Final disposal: Deglos Sanitary Landfill and Vieux-Fort Solid Waste Management Facility (Closed as of October 1, 2019)
- ▶ Daily collection of household waste to landfills
- ▶ Commercial waste disposal is the responsibility of the waste generator (private agencies)

Waste collection data management

- ▶ All waste entering the landfill is weighed, recorded and categorized
- ▶ Electronic waste received at the landfills:
 - ▶ Generally arrives comingled with other waste streams and not recorded separately
 - ▶ Disposed of together with other waste streams
 - ▶ Not sorted and removed from waste except when they arrived already segregated
 - ▶ Hence inaccurate values for electronic waste disposal
 - ▶ Some electronic waste is collected by recyclers and exported

Waste Treatment and landfilling

- ▶ Main form of waste disposal is landfilling
- ▶ Not all waste is treated
- ▶ Biowaste is autoclaved and disposed at the landfills
- ▶ Pharmaceuticals are encapsulated and landfilled
- ▶ Asbestos is deep-buried
- ▶ Other waste disposal include exporting of batteries
- ▶ Waste oil is reused