Household Waste Reduction Initiative
Kadoma City Zimbabwe

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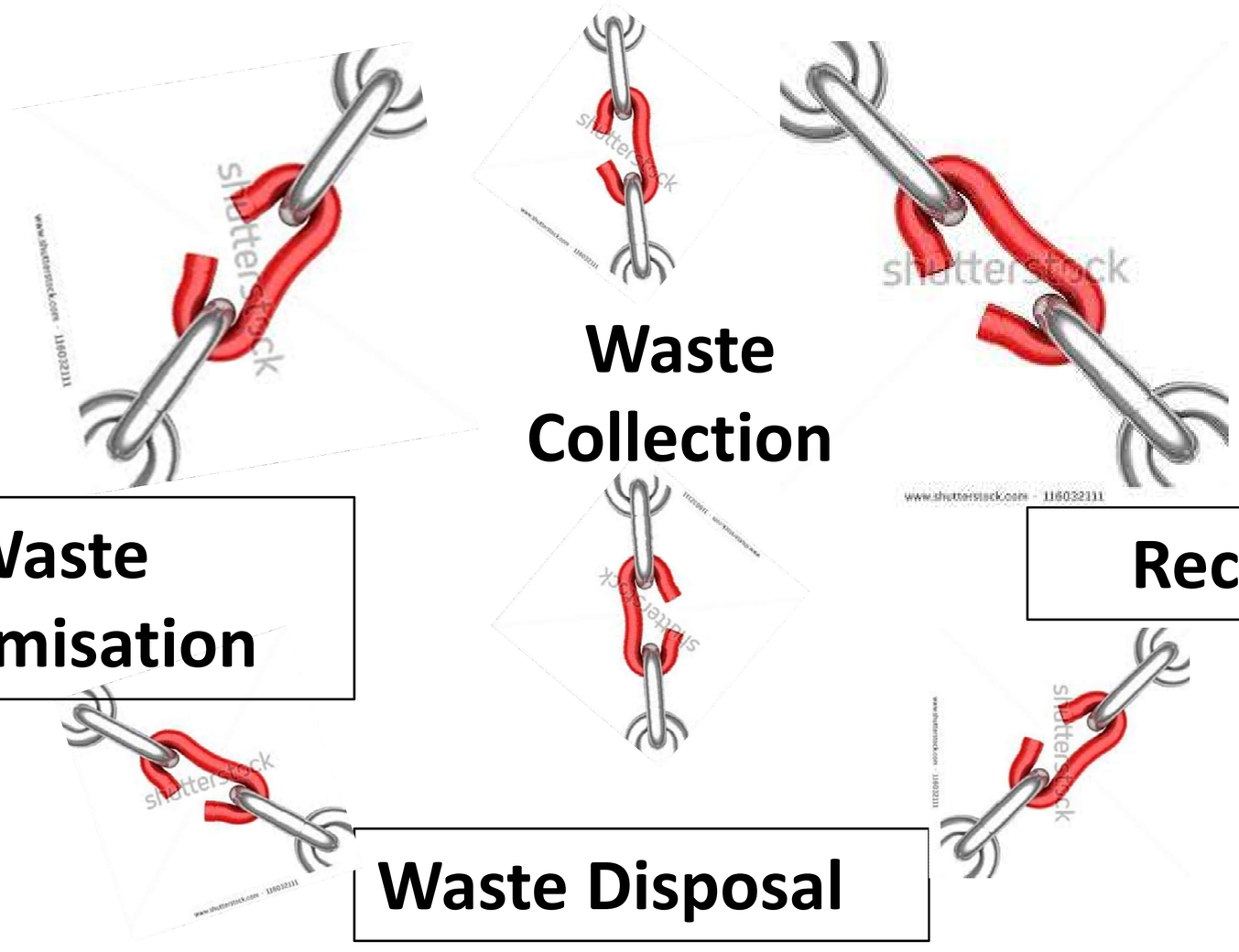
Kadoma Demographics

Population: 96196
Households: 23 600
Average Hsehold Size: 4
Literacy Rate: 94%
Generation capita^{-1}- 0.36kg day^{-1}
IRD (2015)- 30t day^{-1}

Dependent pop-37%
Economic Active Pop:35%
Unemployment Rate: 20%

Challenges in SWM

Waste Generation



Waste Collection

Recovery

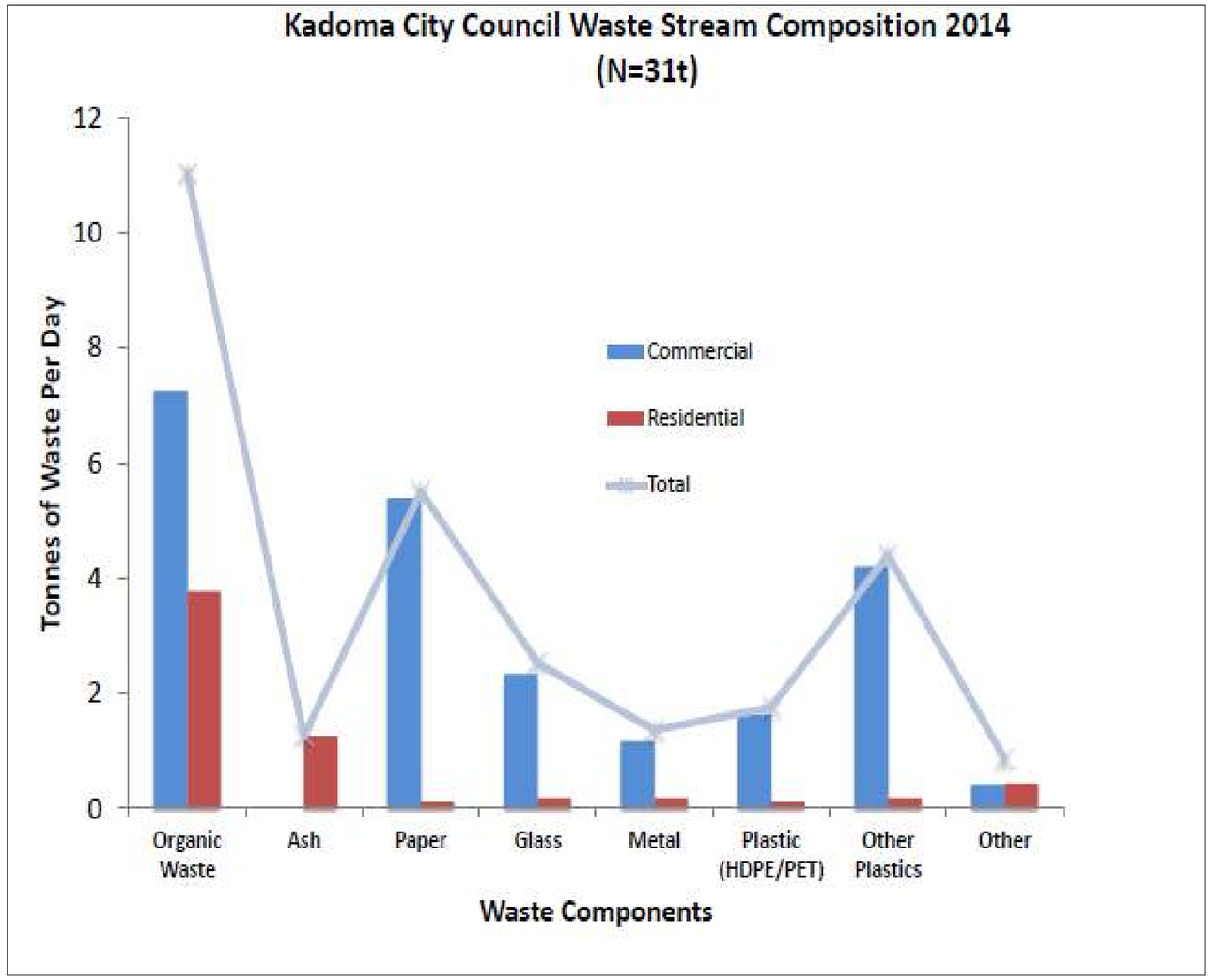
Waste Disposal

Waste Minimisation

Major Challenges are weak/ broken linkages in SWM functional Elements

Problem

- High percentage of organic component in waste stream...
  - Waste Receptacles filling up faster
  - Increases loads to waste dump
  - Nuisances-smells, flies
  - Increase in transport cost
  - Shortens life span of disposal Site



Waste Reduction Innovation

Piloting use of composters

- Study being carried out at 10 households
- High density-2
- Medium Density-2
- Low Density-2
- Institutions-2

Project So Far

- Tumblers procured and issued...
- Training held...
- Fortnightly follow up being done...

Interim Results

- Acceptability is high
- Cost a bit high - US$78
- Potential reduction of X (p=0.03)
- Potential to increase dump life span.

Weakness

- Small sample sizes
  - Affects power of study
- Recommendations
  - More large scale multisite study
  - Incorporate a Knowledge attitude component