Zero Waste Kumta Project

What is zero waste

Reducing towards eliminating the waste sent to landfill by

- reducing

- reusing

- segregating at source

- recycling

- composting or turning into biogas.

How to achieve Zero Waste

Waste segregation is the first and crucial step:

- Wet waste is composted or produce biogas
- Dry waste is to be recycled
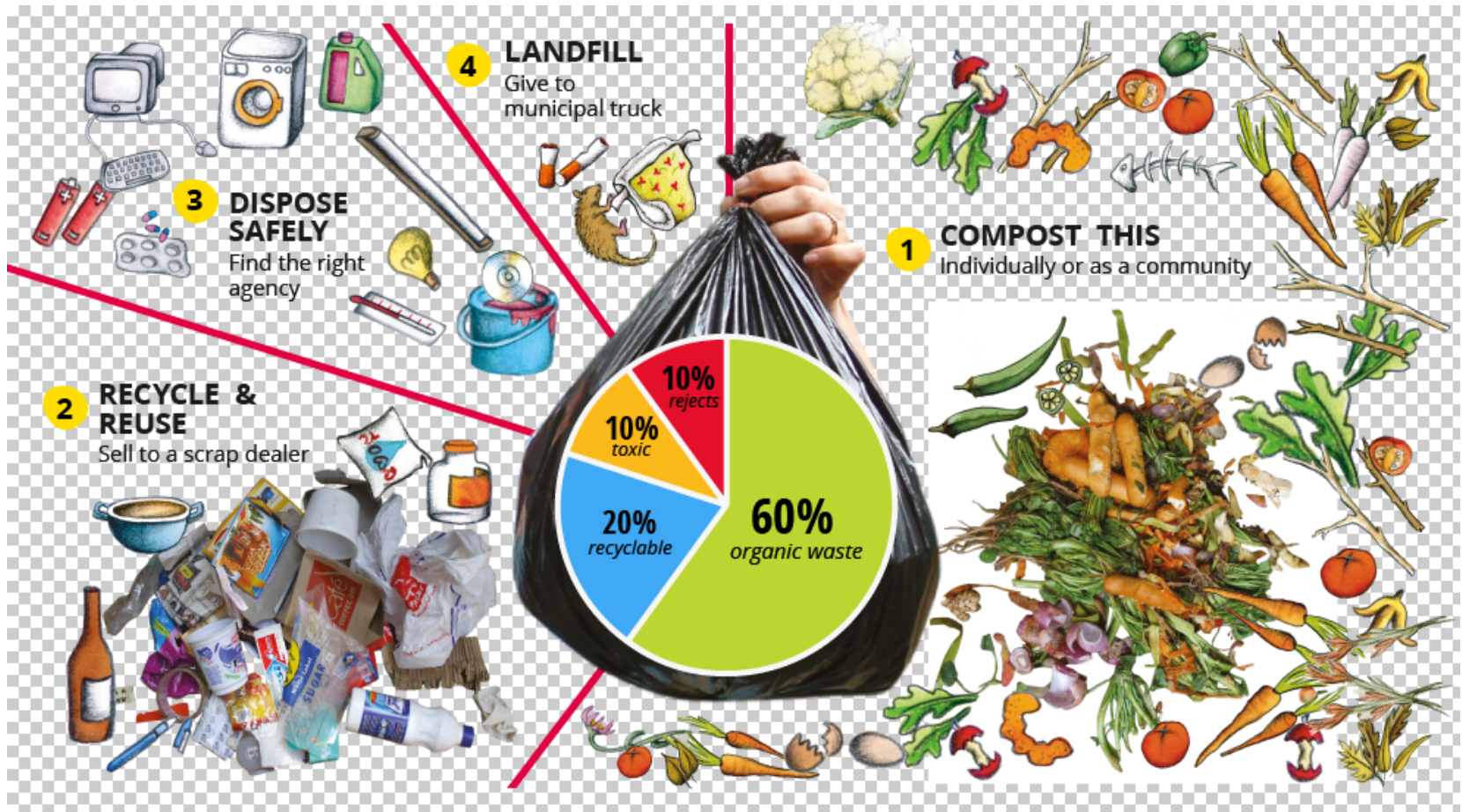- Only final rejects & hazardous wastes go to landfill

Two bins

Only separating our wastes, everywhere and at all times, the wheels will be set to motion

We don't call this waste

4 LANDFILL
Give to municipal truck

3 DISPOSE SAFELY
Find the right agency

2 RECYCLE & REUSE
Sell to a scrap dealer

1 COMPOST THIS
Individually or as a community

10% rejects
10% toxic
20% recyclable
60% organic waste

Waste Audit - Kumta

Each house produces 3 Kg/day of waste

Total waste from 6,000 houses = 18,000 Kg/day.

Segregation and recycle can reduce the burden on landfill to only 10% of total waste (1,800 kg).

Waste channelising

You will find that you need to throw this 10% only once in 3 days (and you might have fun making newspaper cones!)

10% rejects
10% toxic
20% recyclable
60% organic waste

Only 1,800 kg (2 trucks) of waste goes to landfill.
Not clear
The 10% of toxic waste is to be disposed as per the SWM.

The 20% recyclables are to be given to the rag-pickers

Waste generators must

handle waste with mindfulness, care and training

- reduce by wise consuming choices
- segregate at source
- treat organic waste at home
- give recycles to rag-pickers
- give rejects to Municipality collectors

Result: 60% waste reduction and eco-enterprise start-up

Waste Managers must

- Enforce segregation at source
- Provide collecting and sorting centers
- Provide regulamentar landfill
- Dispose only rejects and toxic wastes
- Enforce composting and bio-methanation
- Include rag-pickers, recyclers & producers in the SWM chain

Stakeholders must
here we could make a slide for each

- Set a system to closely monitor the SWPM activities of Municipality
- Allot land & facilities for storing the collected segregated items and their sorting
- Assign land for eventual recycling plants for dry waste & biogas or composting plants for wet waste
- Help KMC to identify key options and their financial support
- Trigger coordination with surrounding GP & MC for collecting & recycling centres
- Call for a volunteer brigade with schools, youth groups, NGOs & community based organizations to jointly monitor the project