

The Journey of Our Waste (Session 1)



aviral

Reducing Plastic Waste
in the Ganga

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Let's Revise!

Plastic Waste and it's Types

- What is plastic
- Types of Plastic
- Lifespan of Plastic
- Impact of plastic waste on us and our surroundings
- What can we do?

Can you tell us what is the journey of our waste?



The Existing Practice - Linear Economy

We mix
our waste

Mixed waste
cannot be recovered

Ends up on the road, drains,
unmanaged community bins,
landfills, and the Ganga



Can recover only **10-20%** of the waste!



**What is wrong
with this practice?**



HARMFUL FOR THE ENVIRONMENT

- Pollution in the ground water, rivers and oceans & open areas including microplastics



HARMFUL FOR THE ANIMALS

- Animals mistake waste for food and eat them
- Destruction of their habitats



HARMFUL FOR ALL OF US

- Use of large amount of virgin natural resources

**What is the
solution?**



Circular Economy - Pillars

**Design out waste
and pollution**



**Keeps materials
in use**



**Regenerate
natural systems**



How can we keep materials in use?



Reuse

Some items like cloth bags, steel bottles, old clothes etc can be reused more than once



Repair

When certain items get damaged, give them for repair before buying new ones



Share/Swap

Sharing or swapping clothes with your friends not only gives you more items to wear but also reduces the waste generated from buying new clothes.



Recycle

Giving waste items like newspapers, bottles, cardboards etc to the Kabbadiwala helps recover resources to create new products from waste

How can we regenerate natural resources?

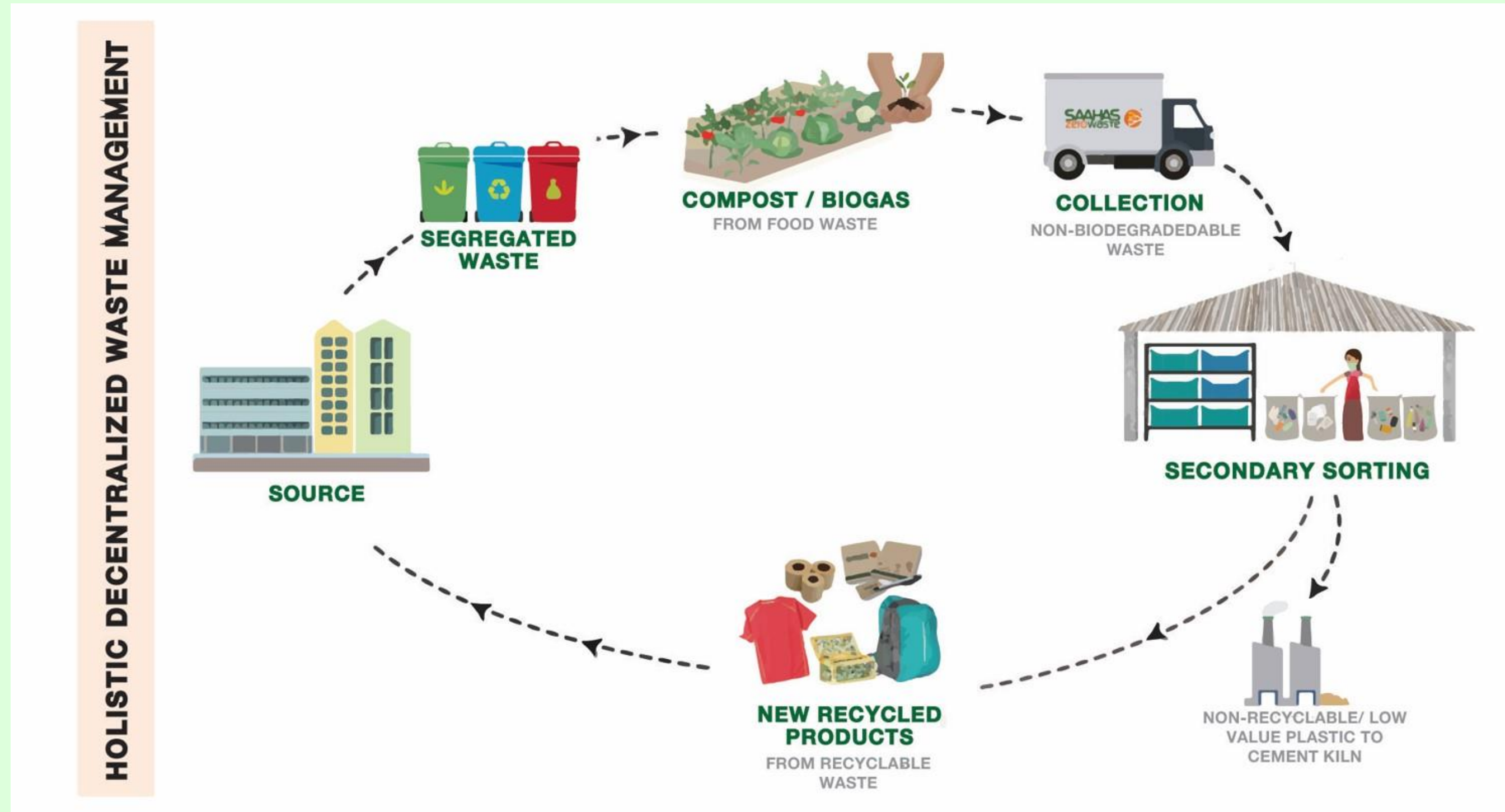


Composting not only reduces food waste but also provides soil nutrients that are great for our plants



Renewable energy like biogas leads to less extraction of fossil fuels and reduces carbon emissions

The Right Practice - Circular Economy in Waste Management



Can recover up to **90%** of resources from segregated waste!



**TIME FOR
VIDEOS!!!**

The illustration features a central laptop with a pink screen displaying the text 'TIME FOR VIDEOS!!!'. To the left of the laptop is a green cup containing three pens (orange, green, and pink) and three small white starburst icons. To the right is a stack of four books (pink, white, orange, and green) and three more white starburst icons. The background is a solid green color, and the foreground is a blue surface with horizontal lines.

Who all contribute to a circular economy in waste?



WASTE WORKERS

- Door-to-door collection from generators
- Transfers to waste processors



INFORMAL WASTE WORKERS

- Picks waste from the open
- Collects waste from waste pickers or direct users and sends it for further recycling



WASTE PROCESSORS

Factories that help resource recovery by recycling waste, composting and generating biogas



REPAIR SHOPS

Shops that repair things like electronics, shoes, clothes, bags etc.

Benefits of Circular Economy

- Make better use of limited resources
- Reduce greenhouse gases and help in the fight against climate change
- Protect human health and the environment
- Create new jobs and boost economies
- **REDUCE WASTE**



ACTIVITY TIME!

Draw how you and your family
encourage circular economy

For next week class, make a drawing
of:

- How you keep materials in use at home
- Regenerate nature



Any questions?

See you in the next class and
remember to complete your
drawing!



Thank You!



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