

# Ecological Sanitation

*Wastewater and human waste*

*are seen as **resources**:*

*are collected, sanitised and reused*

ECOSAN



COMPOST  
TOILETS

## Sri Lanka

- Still the majority - “drop and store” or “flush and forget” sanitation solution with misconception of Excreta as a waste.
- High investment, energy, operating and maintenance costs and for centralized treatment system
  - **Problematic in maintenance, sustainability,.....**

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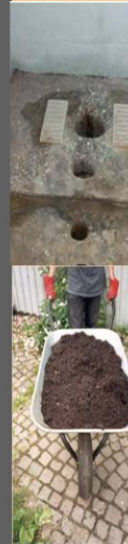


COMPOST  
TOILETS

In such a scenario one emerging solution is a dry composting toilet.

composting toilet collects human waste and converts it to a fertilizer resource for plant growth without polluting water bodies or groundwater

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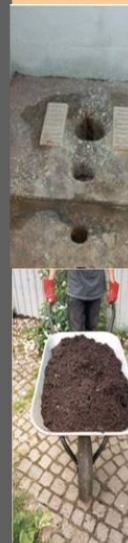


COMPOST TOILETS

Collect separately urine in front part and the faeces in rear part (much like the plumbing system in human beings)

After using, faeces is covered with Ash.

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COMPOST TOILETS

# Practitioners

NGOs

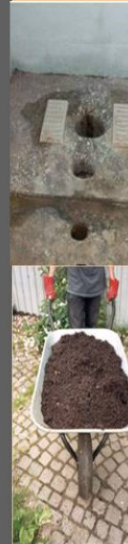
Practical Action

Sewanatha

COSI

GTZ

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Most common method is Dry Toilet

Bio-gas production is rarely observed

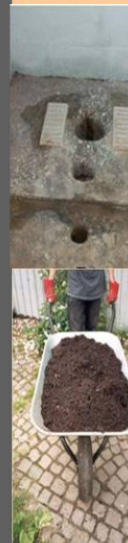
1<sup>st</sup> Dry Toilet in Sri Lanka is in  
Moratuwa Slums

Only two cases were reported as users  
of compost      Moratuwa

Matale

Source: PA

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TOILETS

## Historical Evidences for separation

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## Suitable Locations

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Places which conventional method have difficulties.

Water Scarcity

Rocky

High water table

Low permeable Soil



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Samanthurei

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Practical Action



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COMPOST TOILETS





Wahugepitiya



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TOILETS

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## Challenges ?...

- Acceptance by the community
- Perception of people to use as a fertilizer
- Careful maintenance
- Need sensitization and awareness programs
- Policy level approval / Circular differences.

Still this is testing at pilot project level in Sri Lanka by different NGOs like GTZ, COSI, PA etc...

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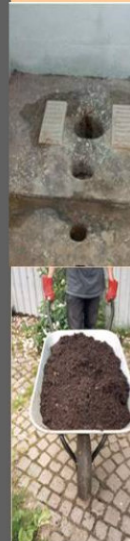


COMPOST  
TOILETS

Try to think differently...  
for  
innovation of appropriate  
technologies

Thank You

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TOILETS