Real Scale Evaluation of a Urine Diverting Dry Toilet: Operational and Hygiene Perspectives

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**HOW DOES IT WORK?**

- The toilet pedestal is divided in 2 compartments, 1 for faeces and 1 for urine
- No water goes in the toilet
- Instead of water – ADDITIVE to cover faeces

**ADDITIVE TESTED:**

- **ASH** → *Function: cover, dry, avoid smell*
- **LIMESTONE**
- **UREA**

<Diagram of a dry toilet system with labels for faeces and urine input and output processes>
Pilot UDDT CETRE – Epagri, Florianópolis/SC
WHAT WE DON’T KNOW ABOUT IT?

UDDT Pedestal

Faeces compartment

- ADDITIVE
- FAECES (200g)
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- ADDITIVE
  (Ash, Oyster shells, Wood chips)
  (75, 150 or 300%; with or without urea)

Inactivation of pathogens for safe nutrient recycling and health providing:
How? How long does it take?

- Bacteria
- Bacteriophage
- Helminth ova
According to our data, using the mixture of ash, limestone and urea as additive, the necessary treatment time for 3 log reduction of bacteria and phages would be 30 and 44 days respectively. 

Resource based sanitation!