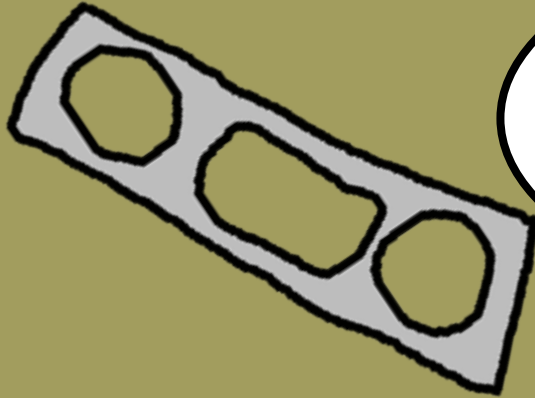




*This time, we shall take a peek at:*

*A Urine Diversion  
Dehydration Toilet  
(UDDt)*



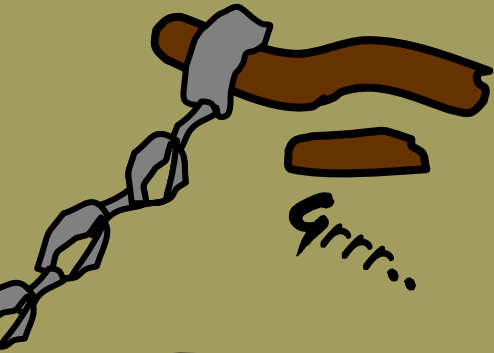
*And COB Glorious  
COB!!*



*So let's go!*



Here is a person taking a crap..  
Mummy nature always separates  
the pee & the poo!

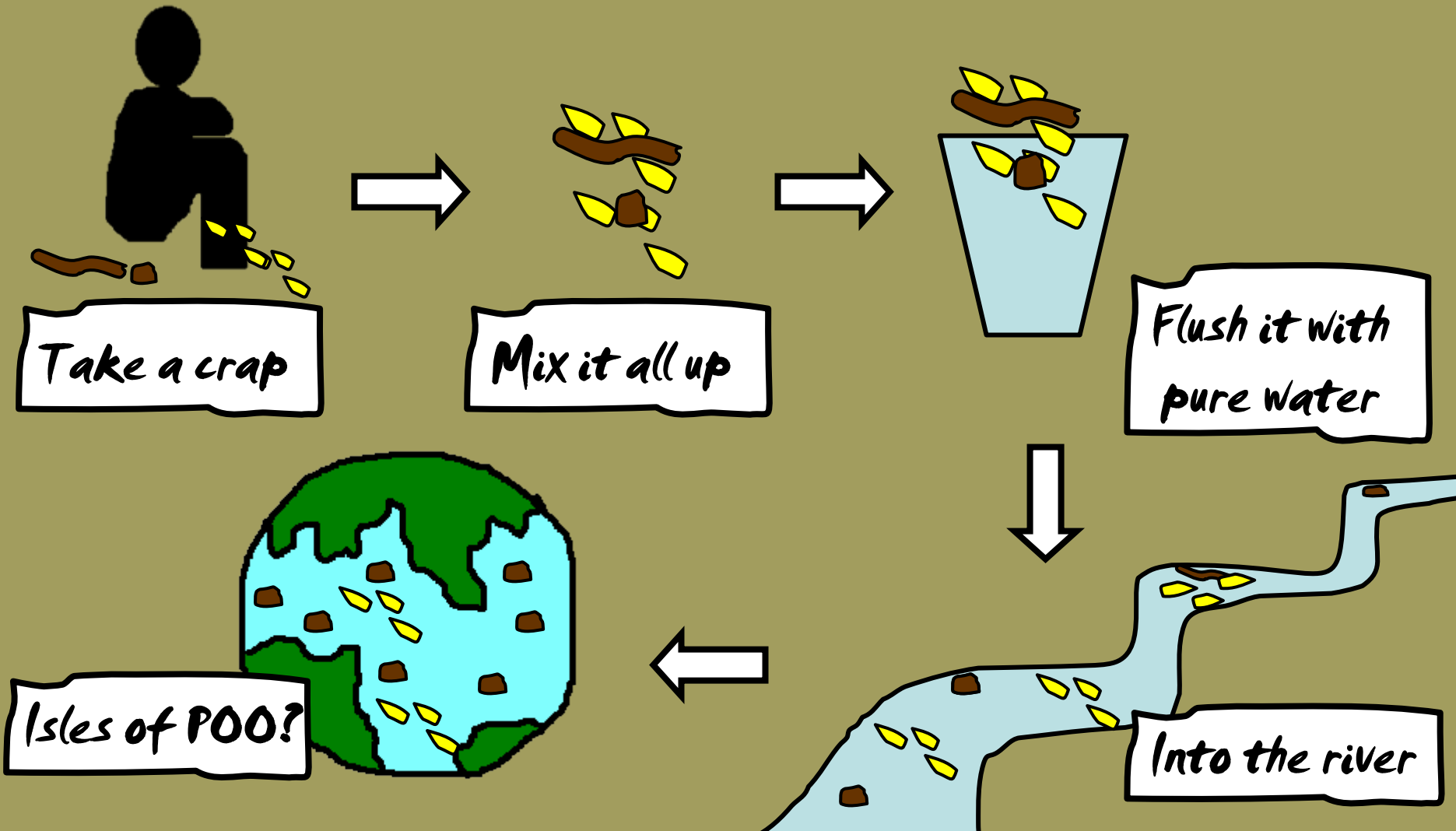


Peepee's  
harmless!

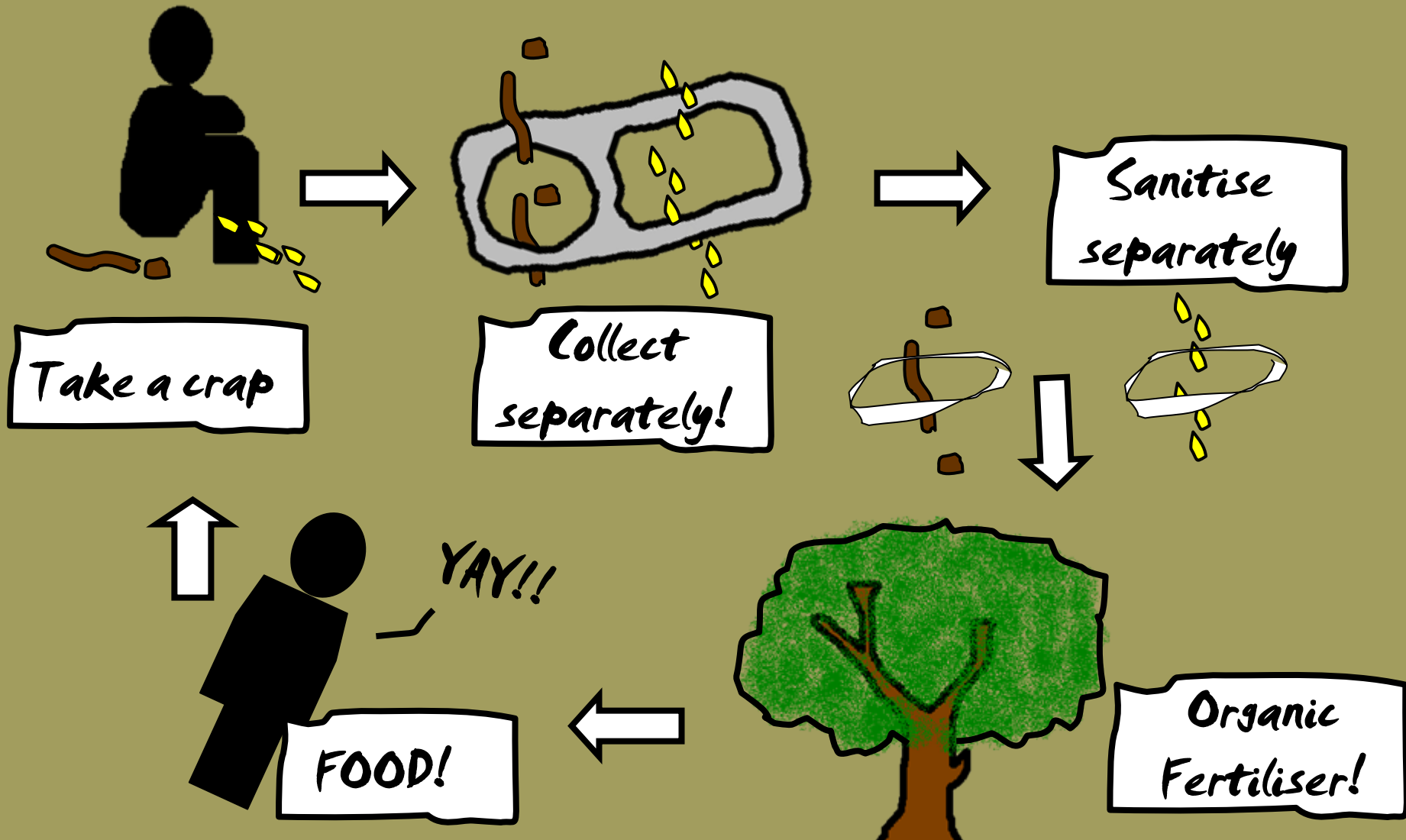


And with good reason too! Pee is sterile, harmless. It's the  
Poo that contains scary pathogens and their lot.

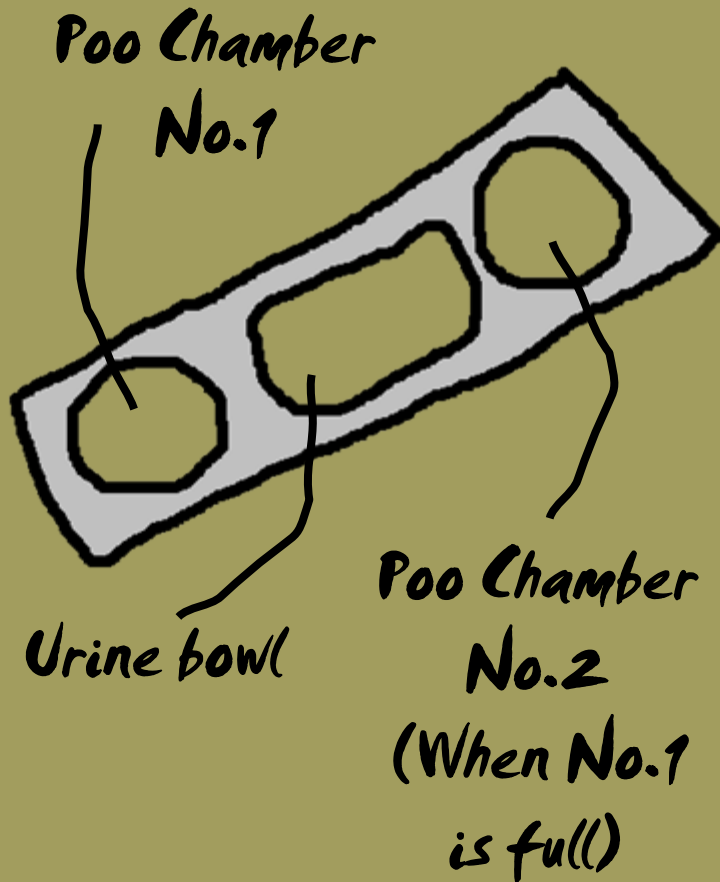
Currently, this is the "sophisticated" procedure opted for sanitation systems:



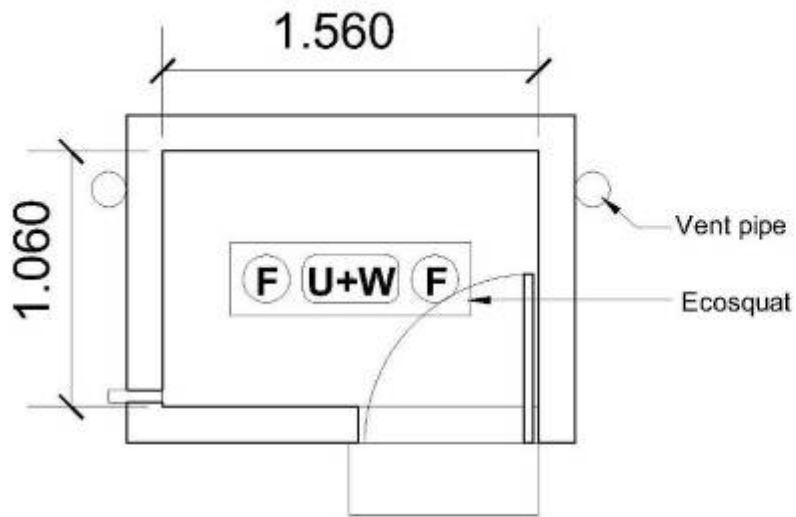
Utter crap eh? Let's take a look at how a UDD toilet would work instead...



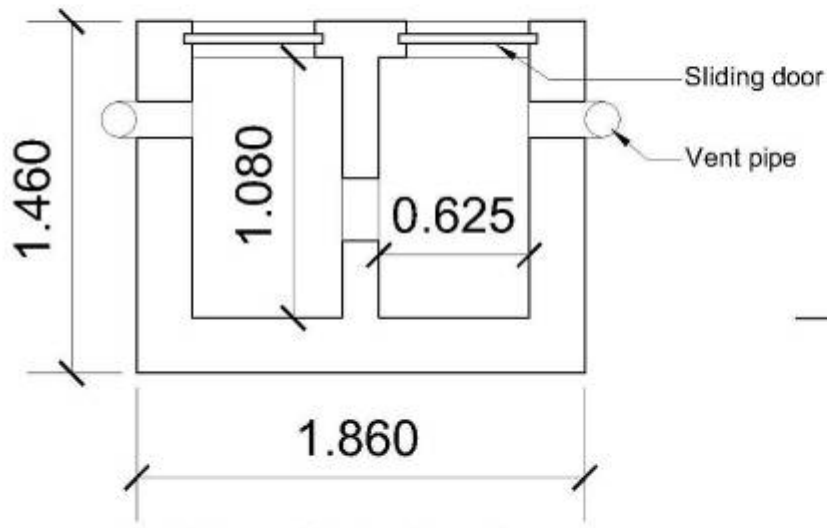
A UDDt source separates the pee & poo (along with the wash water), which can then be treated separately before reuse. The faeces are sanitised by containing and desiccating them in the tanks below. The urine can be stored and used on dilution or percolated directly along with the wash water.



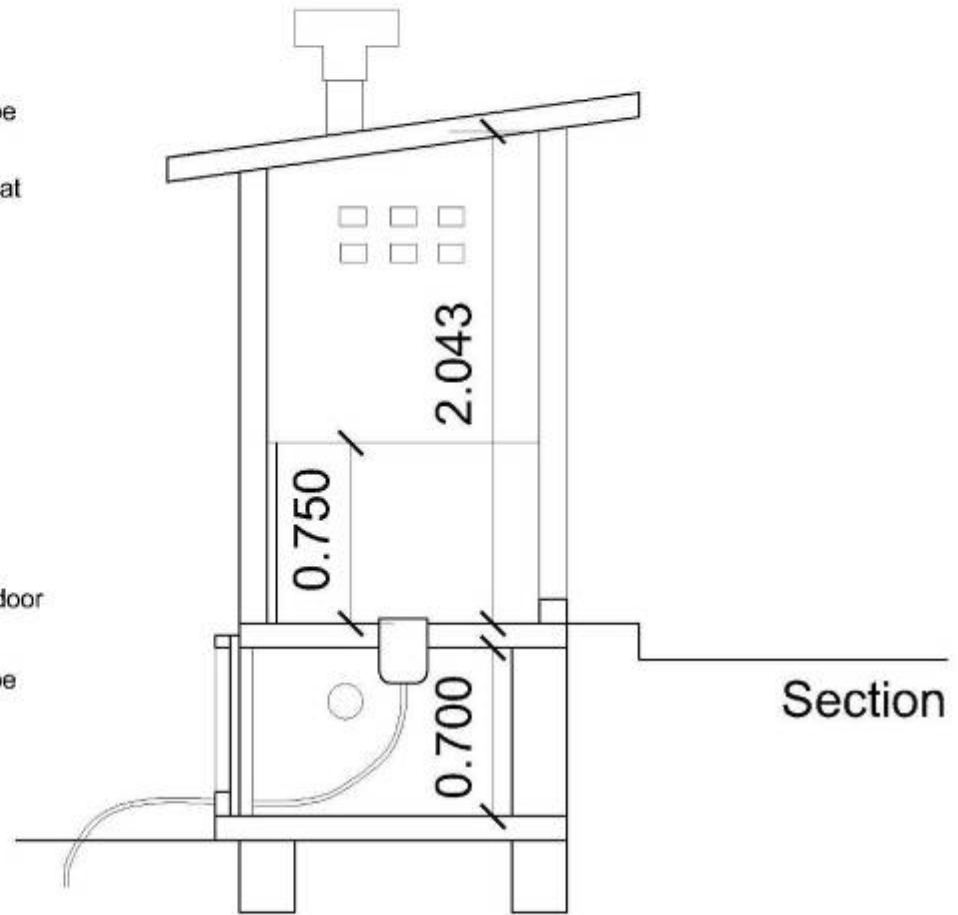
\*The urine bowl remains the same, a separate wash bowl may be provided.



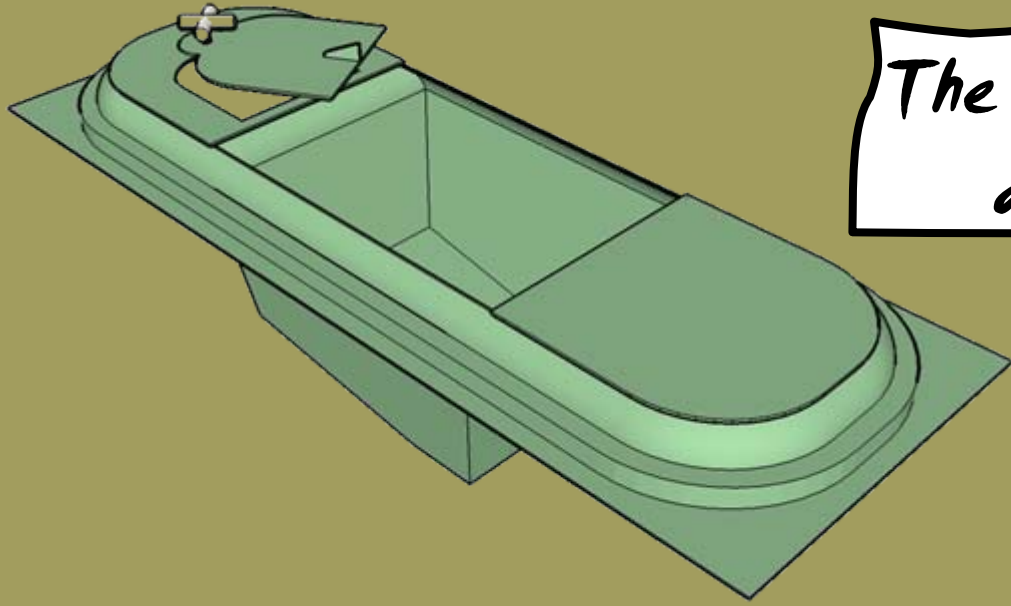
Plan: Superstructure




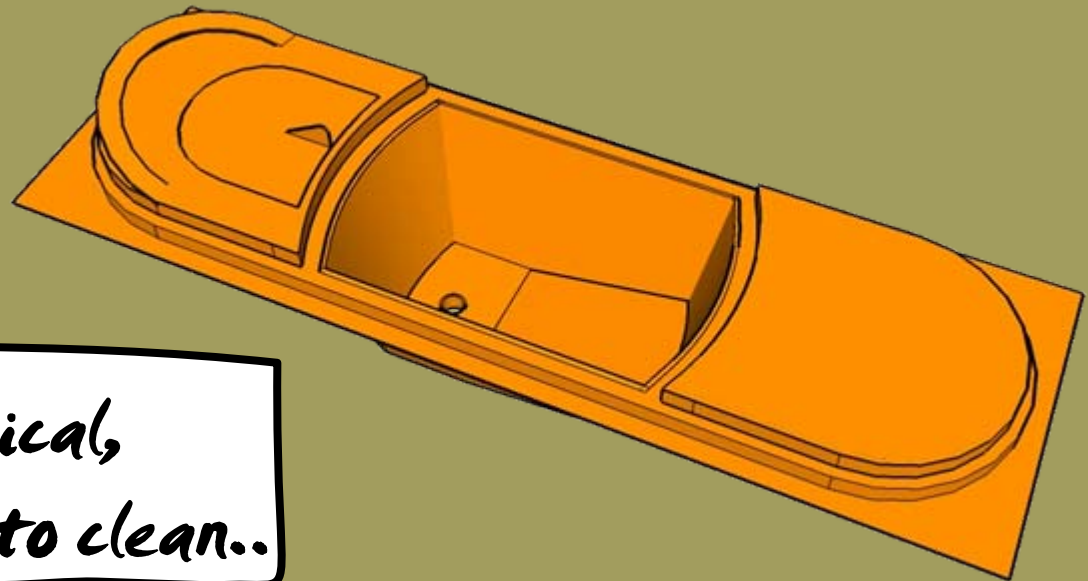
Plan: Substructure



*A specimen UDDt*



The UDDt pan is an important aspect of this system.



It should be economical, convenient to use, easy to clean..







*From mould to reality!*



*Curves & grooves*



*Cute underbelly..*



Let us also run through the process of constructing a Urine Diversion Dehydration Toilet. It's really simple!



Dig a foundation



A concrete pad



Build the tanks



Tanks done!

\*The tanks are plastered from the inside. Access hatches to the tanks for clearing have to be provided too.



Cast a slab



Substructure Complete!



While we're at it, let's also  
take a look at a *\*delicious\**  
construction technique: COB!



1

COB

Just add sugar, spice and everything nice!



MUD



STRAW



HUSK



Add water to the mix

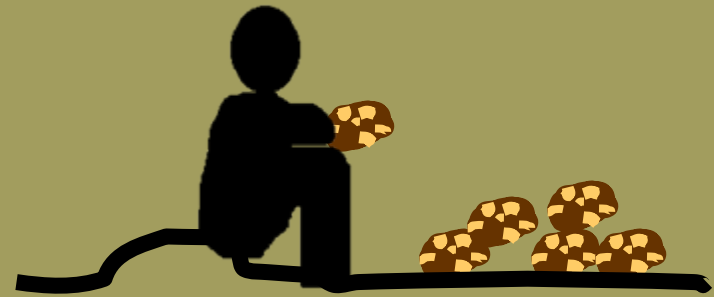


*Stir with love :)*

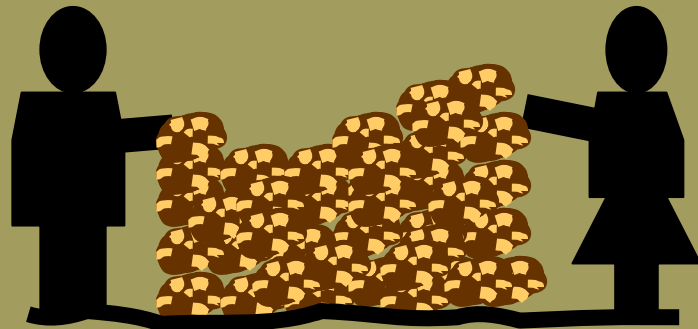




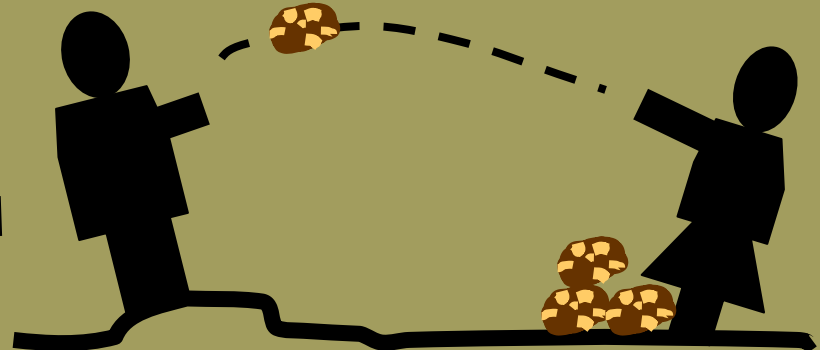
*Dance and stomp!*



*Make cob balls!*



*Smack and build!*



*Pass them on!*



*Making cob balls..*

*Need any help?*



*Start with a clean slab!*



*Up she goes..*



*Start cobbin'!*





*Insert 'rebar' to hold  
the courses together*



*Fixing the door*



*Keep cobbling!!*



Pre-final exterior



Pre-final interior

The cob walls were plastered from the outside with cement due to unavailability of lime! We then painted over with cement paint. The interiors were done in cowdung with a lime wash.





We also used discarded plastic bottles to make vent pipes for the poo-chambers. This reduces odours and helps dehydrate the contents faster, thus ensuring a sanitised product ready for composting!

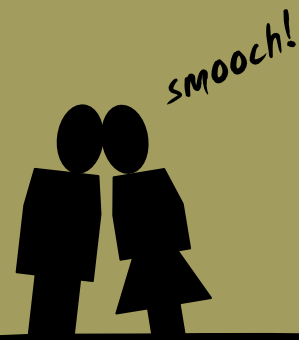




An 'Understudy'



The Conscientious Crapper v2.0 with the 'Toddler Hatch'



Ready to take all the  
crap!

## \* COB:

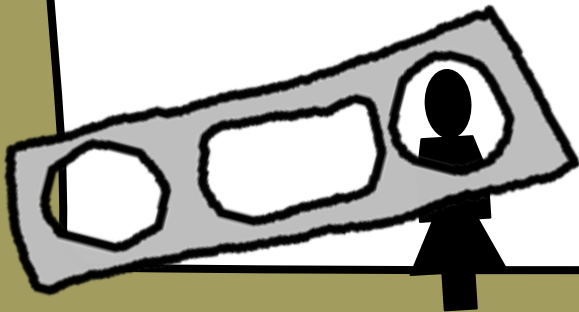
- The soil must have a clay content of around 30%
- Water should be added to ensure a dough like consistency
- Straw acts as the reinforcement, and binds the structure together
- Husk acts as a micro reinforcement
- Ensure adequate binding between successive courses
- Deviations from the plumb can be corrected once dry





## \* UDDt:

- In the featured Uddt, urine is percolated and not collected. The urine bowl doubles up as a washbowl too
- Ash is the cover material used in order reduce odours, increase pH and dehydrate the chamber contents
- Discarded cement sheets were used to cast the slab and also for the roofing
- Discarded tiles were used for the flooring



Check out: <http://www.youtube.com/antiismistix> for the videos..



soar.hub@gmail.com