The Sanitation Decision Support tool

Results of the Sanitation Decision Support Tool. The tool was created by WASTE (www.waste.nl) and the Akvo Foundation (www.akvo.org), in order to assist people in choosing sanitation technologies. We hope this tool proves useful, any comments can be send to m.t.westra@akvo.org.

Session information
Date: Wed Nov 18, 2020
Time: 00:21:31

Options chosen

Water supply (one possible)
- none
- **fetched / hand-pump / standpipe / tanker**
- connection

Space availability (one possible)
- large
- medium/large
- **medium**
- small/medium
- small

Flood prone (one possible)
- not affected
- frequent (low-lying area)

Groundwater table (one possible)
- **shallow**
- medium
- deep

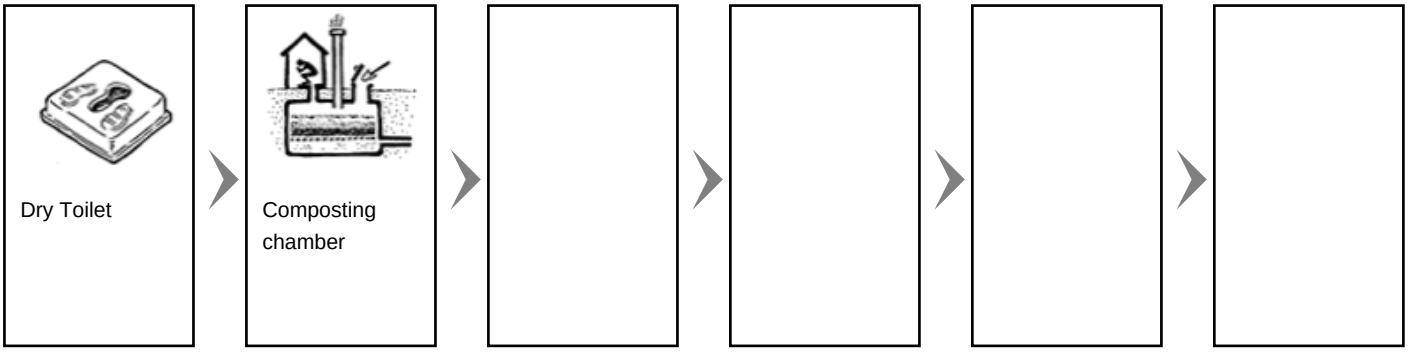
Terrain / Topography / Slope (one possible)
- **flat**
- slope

Vehicular accessibility (one possible)
- no access
- **limited / narrow access**
- full access

Soil type (one possible)
- clayey
- silty
- **sandy / gravelly**
- rocky

Anal cleansing method (more possible)
- **water**
- soft paper
- hard or bulky

Selected technologies



Links to Akvopedia articles

- Dry Toilet:
  http://www.akvo.org/wiki/index.php/Dry_Toilet
- Composting chamber:
  http://www.akvo.org/wiki/index.php/Composting_Chamber

Short descriptions

Dry Toilet

A Dry Toilet is a toilet that operates without water. The Dry Toilet may be a raised pedestal that the user can sit on, or a squat pan that the user squats over. In both cases, excreta (both urine and faeces) fall through a drop hole. A Dry Toilet here refers specifically to the device that the user sits or squats over. In other literature, a Dry Toilet may refer to a variety of technologies, or combinations of technologies (especially pits). The Dry Toilet is usually placed over a pit; if two pits are used, the pedestal or slab should be designed in such a way that it can be lifted and moved from one pit to another. The slab or pedestal base should be well sized to the pit so that it is both safe for the user and prevents stormwater from infiltrating the pit (which may cause it to overflow).

Relevant options

Composting chamber

Composting refers to the process bywhich biodegradable components are biologically decomposed under aerobic conditions by microorganisms (mainly bacteria and fungi). A Composting Chamber converts excreta and organics into Compost. Compost is a stable, inoffensive product that can be handled safely and used as a soil conditioner. This technology usually requires four main parts: 1) a reactor (storage chamber); 2) a ventilation unit to provide oxygen and allow gases (CO2, water vapour) to escape; 3) a leachate collection system ; and 4) an access door to remove the mature product.

Relevant options

At option **Vehicular accessibility (one possible)** you have selected **limited / narrow access**. This means that in your situation,Composting chamber might be a suitable technology. This depends on: **Special care in case of emptying and transport services requirement. Potential use of small vehicles**

At option **Anal cleansing method (more possible)** you have selected **water**. This means that in your situation,Composting chamber might be a suitable technology. This depends on: **Anal cleansing water must be diverted from the toilet to maintain dry conditions**
