



SHARING
EXPERIENCES

*Thank you to Lucien Humbert
and San Traore for providing
this information about latrines..*

Latrines

Synthesis

Present alternative solutions for problems related to latrine systems seen in different projects in Burkina Faso: effective hygiene, efficient waste drainage, available resources and high costs.

Objective :

Propose solutions for existing latrines.

Here are the weaknesses found regarding hygiene:

A blockage in the defecation hole promotes a build up of heat;

If the hole is not blocked, flies can carry faeces to neighbouring foodstuffs;

Drainage is not dealt with in advance due to the limited resources available.

Methodology :

To resolve these problems, **Eau Vive** Burkina is planning to build latrines based on the Sanplat concrete slab model:

- Dome shaped slab option, 1.2m in diameter, with quite a wide, long, defecation hole covered by a removable concrete lid, which allows faeces and urine to be collected;
- Vertical vent-pipe chimney made up of 12 screens one on top of the other, allowing for an anti-insect meshing to be fitted between the 11th and 12th screen (insects then remain captured);
- A cylindrical tank, measuring a maximum of 1 metre wide and 2 metres deep (taking into account the static level of the groundwater);
- No standard superstructure design (subject to the owner's means).

The lid and the ventilation pipe only require one bag of cement and an 8 mm wide heel bar. The lid can be easily moved by rolling it and the stacked chimney vent-pipe can also be dismantled.

When the hole fills up, the lid and the chimney can be moved to cover another hole and any content covered with earth, which after 6 to 12 months can be used as compost in the fields.



Preparation of the ventilated slab



Preparation of the screens for the ventilation pipe



Construction of the ventilation pipe for the slab covering the hole



Positioning of the anti-insect mesh on the 11th screen



Latrines finished using local materials with defecation hole kept closed at all times with a pipe allowing for ventilation.