

**Providing Safe Sanitation in areas  
where you can't dig simple pit  
latrines**

**Raised Latrines**

**Delft Sanitation Forum 2012**



# Latrines for Rocky or Water logged ground

- ◆ Major negative impact in all humanitarian responses
- ◆ Goma – Ngara
- ◆ City Earthquakes
- ◆ Floods – India, Bangladesh, Pakistan, Philippines
- ◆ Haiti
- ◆ Dolo Ado

# Options – currently used

- ◆ Raised latrines – wood, earth, concrete, bricks
- ◆ Septic tanks
- ◆ Urine diversion
- ◆ Bio degradable bags

# Raised TOILETS - COMMUNAL



# Challenge for design

- ◆ Speed of construction
- ◆ Ease of transport
- ◆ Cost
- ◆ Low O & M costs
- ◆ User acceptability
- ◆ Water use, direct drop or water washed