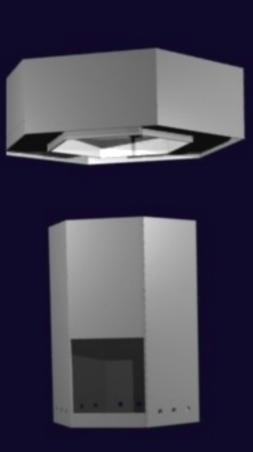
CHARBOX





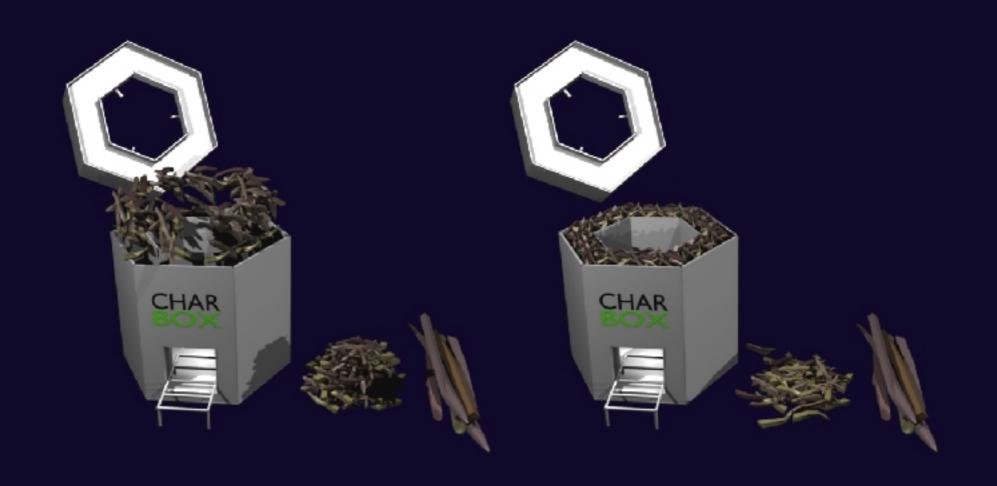


- :: The CharBox can be described as a 'rocket retort' stove
- :: No need to transform primary feedstock into small pieces, as is the case with woodgas stoves; women like to work with woodsticks because these can be easily manipulated (reducing heat when needed)
- :: Advantages of the rocket stove (clean burn, pre-heated air, concentrated heat)
- :: Uses less fire-wood as biomass surrounding the rocket (in the 'retort') is pyrolysed: pyrolysis gas travels through bottom into hot coals and combusts
- :: Feed biomass from the top instead of the bottom; weight of the pot pushes down the top-lid
- :: Simple manufacturing (no welding, no riveting, just plying)



1. Fill the retort with agricultural residues





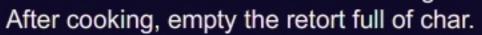
2. Close the lid, and start using the stove as a 'rocket stove'







3. Biomass in the retort will char and generate pyrolysis gas, which is combusted in the combustion chambers

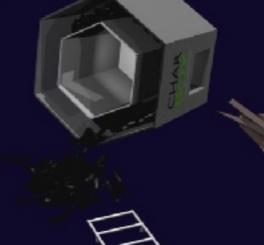












Design: BIOCHAR FUND