Gathering Information & Solution Concept options generation

Initial Ideas

Rin Choi:
- Material type: Wood (Kenya has a big market for wood products; therefore it would be easier, cheaper, and more effective to use wood rather than metals.)

- Materials: Wood, Computer cooler fans (might be hard to get, but cheap enough (from 10-20$)), Net, Straw (Can be found everywhere)

- Can be easily replaced and constructed

http://en.howtopedia.org/images/0/0c/Tray_Dryers06.gif


Ryan Butler:
- Material type: Metal wire mesh (Kenya imports metals from India and UAE)

- Can be easily cleaned

- Most durable material (compared to wood, straw)

- Can be expensive, but is readily available (Import materials from India, UAE, China, Saudi Arabia, Japan, USA)

- Wire mesh can allow air flow to all levels of the food dryer


Cameron Gray:
- Material type: Woven Straw (Has abundant supply in Kenya)

- Straw is the cheapest and most easily accessible material for tray construction

- Straw is not the most durable material but it can easily be replaced if it is broken (unlike metal)

- There is no real value in straw which means theft would be less of an issue

Puvanan Selvam:

- Material type: Clay (clay pots and vessels are made in abundance in Kenya, so trays can be made out of clay)

- Clay is readily available and fashioning trays out of clay must be easy.

- Monetary value of clay products is reasonably low, and hence replacement in case of theft or breakage must not be a big issue.

- Since clay pottery is in the tradition of Kenya, they don’t have to be taught to make the trays.