Needs, Requirements and Definitions of the Problem - Group 1

Questions:
- How long does it take to dry fruit?
- What local materials are available in Kenya?
- What is the right air temperature to dry fruit?
- What is the right amount of air flow?

Requirements:
- Must stay in, or under, budget ($10)
- Able to be made locally
- Use local materials
- Efficient in drying fruit
- High capacity
- Easy to clean
- Proper ventilation

Findings:
- Dryer trays have a simple design. It doesn’t take much to make them but a few simple materials. It’s just a matter of using efficient and safe materials to improve our design.
- Food-grade materials include: Stainless steel, rack-wood slats, cheesecloth, Teflon, Teflon coated fiberglass, nylon and food grade plastics.

Pictures from:
http://www.fao.org/docrep/V5030E/V5030E0c.htm