



Discussion topics - workgroups



- **Biofuel:**
 - Benefit and limits/risks of going Jatropha?
 - How to avoid impact on food production?
- **Possible answers:**
 - Jatropha suitable for small productions for local use: oil for light, soap, cooking, candles.; plantation for fencing, erosion control
 - Initial expectations on potentiality of Jatropha not fulfilled
 - Considered not suitable for big plantations because of competition with food production
 - Not yet competitive costs on the energy market
 - Need to define standards/guidelines/regulations before introducing it (starting with pilot projects – ex. Madagascar)



- **Biogas:**
 - How to spread biogas technology where resources are available but there is lack of capacity (technical and financial)

- **Possible answers:**
 - Not a solution for the very poor
 - Need of Sector approach (from Govern., financial institutes, enterprises, final users)
 - It takes time to introduce it and make it sustainable (7 yrs..)
 - Need of local production of equipment
 - Try other organic materials as input
 - Bridge the gap between the enterprises and local financial institutions (SACCOs,et.)
 - Try to set up closed cycle of resources (use slurry for fertilizers for grazing or cropping)
 - Defining standards for the treatment and re-use of slurry
 - Education to end users to take care of the technology (system for life time..)
 - Quality standards in construction to avoid technology failure
 - Guarantee aftersale service withholding part of final payment
 - Continuous education for good management of Institutional biogas (management plans)
 - Stimulate use of biogas plant products for income generating activities to cover costs for M&O
 - Set up feed in tariff system to facilitate investments and sustainability



- **Biomass:**
 - How to create Sustainable Markets for biomass energy technology

- **Possible answers:**
 - Investigate use of gasifying stoves (with a closed cycle: use of biocharck as fertilizer, biogas for heat, light, cooking)
 - Adjust technology to local context (ex: type of stoves)
 - Consider Carbon trading schemes to increase financial sustainability
 - Promote multiple use of stoves (cooking, lighting, heating)
 - Convincing users of benefit in using efficient stove (reduced time for collecting wood, lower costs for wood). Easier for productive users (ex: restaurant) to be convinced because they can ask for credit..