

**Ndejje University**

**Directorate of Research  
Entrepreneurial Research**

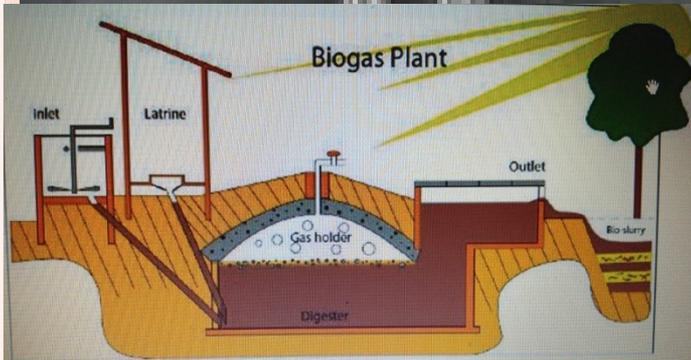
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**TECHNOLOGICAL/SOCIAL  
INNOVATIONS AND DIFFUSION**

**Dr. Kakembo Frederick  
Deputy Vice Chancellor  
Ndejje University**

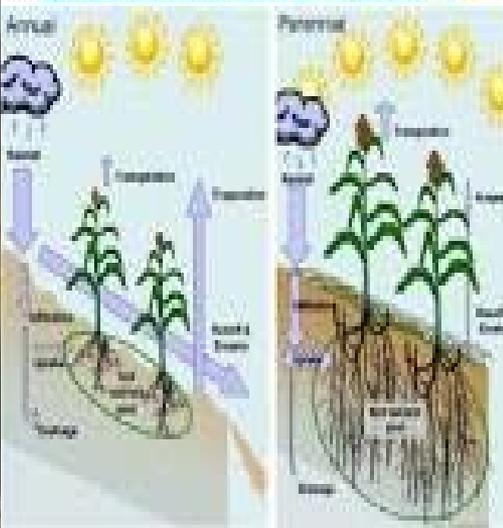
# TECHNOLOGICAL/SOCIAL INNOVATIONS AND DIFFUSION



Waste from pits and tanks can be transported (through pipes or vehicles) to an anaerobic digester, a sealed container made from bricks or plastic that allows bacteria to break down the waste into biogas (with a high methane content) leaving digested sludge or bio-slurry. The bio-slurry has reduced pathogen content and can be used as fertilizer or dried and combined with charcoal dust or sawdust to make fuel briquettes.



## AGRICULTURAL INNOVATIONS



# PROBLEMATIZING RESEARCH/INNOVATION

What is a research/innovation problem?

This is the discrepancy between the ideal and reality

**Ideal:** what things ought to be in *normal circumstances*

**Reality;** what things are; in the real world; *distorted systems, Mal-functioning economy, imperfect agricultural systems, inefficient production systems, unrealistic education/training systems, non-developmental church projects, etc*

# POINT OF DEPARTURE

1. The researcher/innovator identifies an abnormality
2. Consult available (updated) literature preferably on internet
3. Share insights with professional colleagues/experts
4. Align the problem along known models or theories or constructs or *conventional beliefs/practices*
5. Determine availability of human/financial resources for innovation
6. Conduct formative research and/or Baseline studies to ascertain existence of the problem and to determine the magnitude

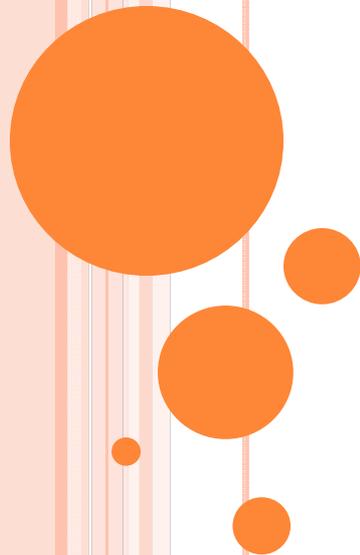
# EXPERIMENTATION, MODIFICATION AND DIFFUSION

1. Try out the concept on a pilot scale
2. Make relevant revisions and modifications in the concept
3. Establish relevance/applicability for regular day-to-day living of average communities ; cost-effectiveness, feasibility, practicality, affordability
4. Examine findings and share with professional colleagues
5. Estimate costs and implications for scaling-up
6. Plan to disseminate findings; look for potential partners/collaborators

## DISSEMINATION AND PUBLICITY

Do we take the British model (*not blowing our own trumpet*)

Or the American model (*if there is no one to blow it for you; go on and blow it yourself*)



## INTERACTIVE SESSIONS AND GROUP WORK

1. What are the existing opportunities/strength in Ndejje university for technological innovations and diffusions; *where is our Niche?*
2. What are some of the grey areas in the county where innovations could be cost-effectively applied?  
*Agriculture, water & environment, energy, social sciences, education, business, engineering?*
3. How can Ndejje university optimize the recent and future technological innovations for development of  
*a) the institution and*  
*b) individual staff members*
- 4.