PARTICIPATORY DESIGN – A NATURAL EXTENSION TO CLTS PROGRAMMING?

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TAKE HOME MESSAGES

• MARKET RESEARCH
  – DO IT! AT ANY STAGE OF YOUR PROGRAM

• PARTICIPATORY DESIGN
  – TEST IT & SHARE YOUR EXPERIENCES

• PRODUCT REFINEMENT
  – STRUCTURAL AND SAFETY TESTING & MARKET TESTING
STEP 1: MARKET RESEARCH

- MALAWI HAD RELATIVELY LOW RATES OF OPEN DEFECATION – 11%

- CLTS HAD PROVEN SUCCESSFUL

- HIGH RATES OF SLIPPAGE AFTER CLTS TRIGGERING EVENTS

- HIGH RATES OF HOUSEHOLDS RETURNING TO OPEN DEFECATION DURING RAINY SEASON DUE TO COLLAPSING LATRINES
MARKET RESEARCH AND PD

- Creates space to engage with government
- Establishes the problem definition
- Provides evidence about ODF sustainability
STEP 2: PARTICIPATORY DESIGN

• PROCESS AND PROCEDURE DRIVEN NOT A DESIGN STYLE

• ENGAGEMENT BETWEEN ‘USERS’ AND ‘RESEARCHERS-DESIGNERS’

• ATTEMPTS TO GIVE FUTURE USERS OF A SYSTEM A ROLE IN DESIGN, IMPLEMENTATION AND EVALUATION (STEEN 2011)
MALAWI CASE STUDY

• UNICEF IN PARTNERSHIP WITH DISTRICT ENVIRONMENTAL HEALTH OFFICES

• ‘BOTTOM UP’ APPROACH – FROM VILLAGE TO DISTRICT TO NATIONAL LEVEL

• THREE DAY SESSIONS – 9 IN TOTAL

• USD1200 per session – 30 people allowances, materials and transport
HOW ‘PD’ WAS APPLIED IN MALAWI

• **DAY 1 – EXISTING KNOWLEDGE, DESIGN CHALLENGE AND BRAINSTORMING**

• **DAY 2 – PROTOTYPING**

• **DAY 3 – COST CALCULATIONS AND FEEDBACK**
DAY 1 - EXISTING KNOWLEDGE & DESKTOP PROTOTYPING
DAY 2 - PROTOTYPING
DAY 3 - COST CALCULATIONS AND FEEDBACK
DESIGN OUTCOME – CORBELLED FLOORING

- MANGOCHI AND NKHATA BAY IDENTIFIED CORBELLED DESIGN

- TRADITIONAL BUILDING KNOWLEDGE WAS NOT DIFFUSED
DESIGN OUTCOME - NKHOKWE WITH SANDBAG LINING

- NKHOKWE IS A MINITURISED GRAIN STORAGE

- USED WIDELY IN SANDY SOIL AREAS

- SANDBAG TECHNOLOGY NOT PREVIOUSLY REPORTED BY DISTRICT SANITATION STAFF
KEY LESSONS FROM MALAWI
DESIGN CRITERIA ARE KEY

• BE PREPARED TO TACKLE THE HARDWARE SUBSIDY WITH USERS

• DEVELOP SPECIFIC DESIGN CRITERIA

• ENSURE USERS ARE AWARE AND SUPPORTIVE OF DESIGN CRITERIA
CLTS UNLOCKED ‘LEAD USERS’

- CLTS PROGRAMS HAD OPERATED IN SOME AREAS

- USERS IN THESE AREAS OFFERED STRONG IDEAS AND DESIGNS

- “LEAD USERS” ESTABLISHED DESIGN APPROACH
BUILD UNDERSTANDING BY DOING

- USE PROVEN TOOLS WITH LOCAL PARTNERS TO DEMONSTRATE THE POWER OF MARKET RESEARCH & PARTICIPATORY DESIGN

GREAT TOOLS

- SANITATION MARKETING FOR MANAGERS: GUIDANCE TOOLS FOR PROGRAM DEVELOPMENT (JENKINS 2010) – EXCELLENT TOOL FOR MARKET RESEARCH AND PROGRAM DEVELOPMENT

- CLTS HANDBOOK (KAR & CHAMBERS 2008) - “FACILITATE ACCESS TO SANITARY HARDWARE” PAGE 53
EMBED INTO DISTRICT GOVERNMENT PROGRAMS

- ENGAGE DISTRICT GOVERNMENT STAFF IN PARTICIPATORY DESIGN SESSIONS

- ALLOW EXPERIENCED DISTRICT GOVERNMENT STAFF TO SHARE WITH THEIR PEERS

- DISTRICT STAFF DEVELOPED SKILLS AND KNOWLEDGE IN PARTICIPATORY DESIGN
IDENTIFY A NATIONAL TESTING & INFORMATION HUB

• MZUZU UNIVERSITY’S CENTRE OF EXCELLENCE AND SMART CENTRE

• FOCAL POINT FOR PRODUCT REFINEMENT AND TESTING, TRAINING AND SHARING INFORMATION

• NEED ONE GOOD TECHNICAL PERSON WITH BUILDING SKILLS
REFLECTIONS

• WHO OWNS THE DESIGNS?

• ARE BETTER DESIGNS STILL OUT THERE?

• SOCIAL ORDER AND ROLE OF VILLAGE HEAD PERSON AT DESIGN SESSIONS?
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CONVERSATION STARTERS

• SHARE YOUR EXPERIENCES WITH PARTICIPATORY DESIGN

• COST EFFECTIVENESS VS USING PROFESSIONAL DESIGNERS/ENGINEERS?

• CAN VIVABLE BUSINESS MODELS BE GENERATED FROM THE DESIGNS?

• GUT FEELING – COULD ‘PD’ WORK IN YOUR CONTEXT? WHY/WHY NOT?