

Climate Compatible Development: Insights from Malawi



David Mkwambisi
University of Malawi
Bunda College of Agriculture
Email: ddmkwambisi@gmail.com

Presentation Outline

Outline

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graph LR; Outline[Outline] --- Topics[Projects and Technologies, Implementation arrangement, Effectiveness, Opportunities and constraints, Policy and Research, CCD, Research and Development, CCD and Malawi development agenda];
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Projects and Technologies

Implementation arrangement

Effectiveness, Opportunities and constraints

Policy and Research

CCD, Research and Development

CCD and Malawi development agenda

Waste for Wealth Project

Opportunities

- Commitment
- Community involvement
- Student involvement
- Data generation
- Policy processes

CCD Concepts:

- Adaptation strategy
- Co-benefits
- Mitigation
- Less emissions
- Urban development

PPP Model

- City Council
- University
- Private firm
- NGOs
- Communities

Outcomes

- Reduces waste management costs
- Improved income
- Improved food security
- Employment
- Data/information sharing
- AWARD

Activities

- Waste management
- Capacity building
- Research
- Waste marketing
- Policy interventions

Outcomes of the project



Compost manure



Cleaner environments

Urban and Rural Ecosanitation Project

Opportunities

- Improve soil quality
- Reduced health problems
- Urban-rural linkages
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CCD Concepts:

- Adaptation strategy
- Co-benefits
- Mitigation
- Less emissions
- Development strategy

Partners

- NGO- NICCO
- NGO- CCODE
- University
- Urban and Rural communities
- Water service providers

Outcomes

- Improved sanitation
- Improved income
- Improved food security
- Increased awareness
- Data/information sharing
- Technology approval

Activities

- Ecosan Toilets
- Food Production
- Research- sanitation and Nutrients
- Technology verification



Plo



Waste Paper Recycling

Opportunities

- Alternative usage of paper
- Reduced waste paper management

Outcomes

- Alternative energy
- Reduced deforestation
- Reduced health problems
- Increased income
- Reduced pollution

- ## CCD Concepts:
- Adaptation strategy
 - Co-benefits
 - Mitigation
 - Less emissions
 - Development strategy

Partners

- Bunda College
- Bunda Volunteers
- Communities
- Government and private organisations

Activities

- Waste paper collection
- Saw dust collection
- Capacity building
- Briquette making

Compost Manure Campaign Project

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- CCD Concepts:**
- Adaptation strategy
 - Co-benefits
 - Mitigation
 - Less emissions
 - Development strategy

Energy Saving Technologies



CCD Concepts:

- Adaptation strategy
- Co-benefits
- Mitigation
- Less emissions
- Development strategy



Community Seed Banks



CCD Concepts:

- Adaptation strategy
- Co-benefits
- Mitigation
- Less emissions
- Development strategy

Land and Water Conservation



Research 1 and CCD

Managing Waste
for Improved
Sanitation,
Livelihoods and
Income in Malawi
(WASTE-SLIM)

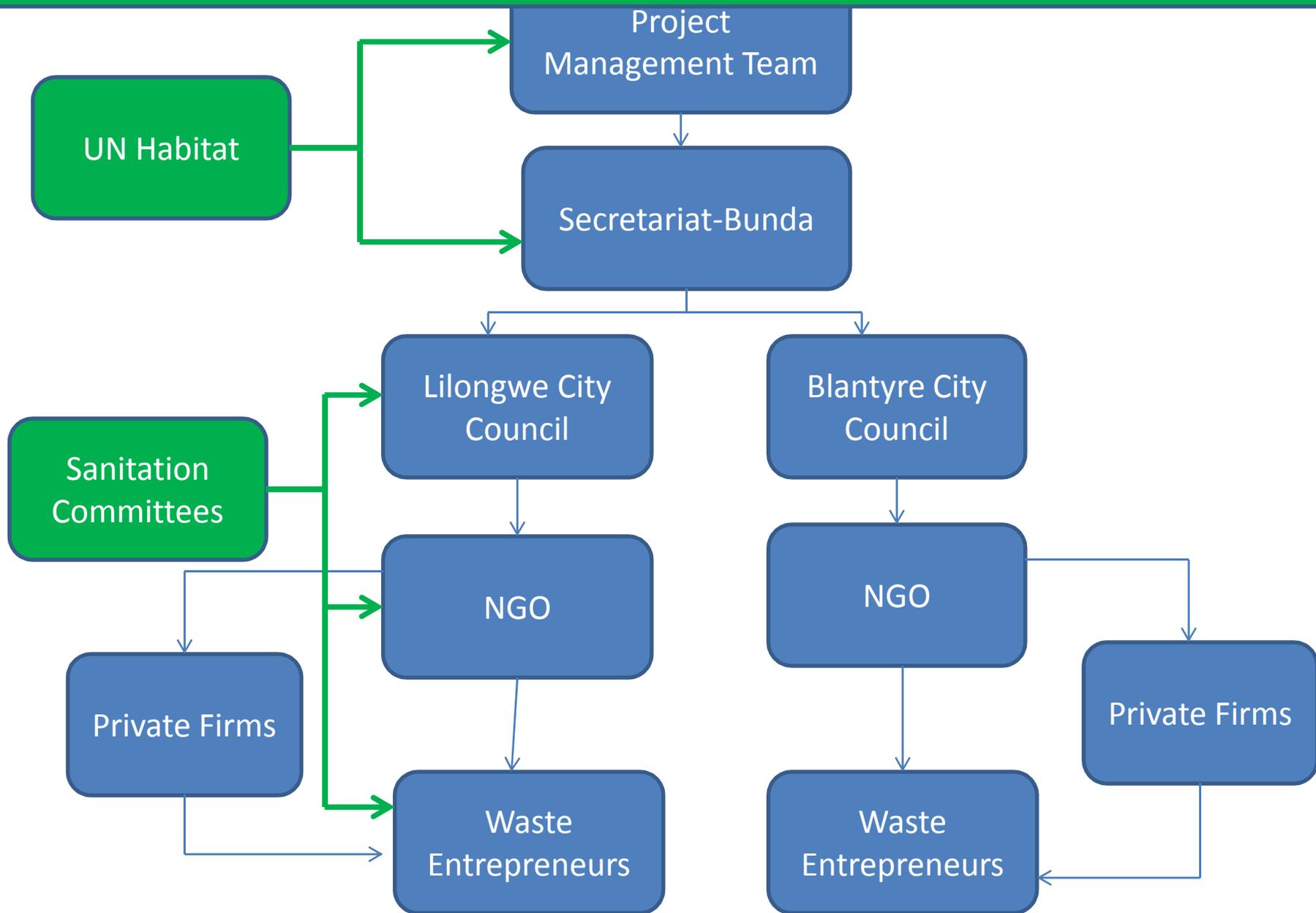
**Partnership: Public- Private,
Community- Partnership**

- Bunda College of Agriculture
- UN Habitat
- NGOs (CCODE and SWAM)
- City Councils (Lilongwe and Blantyre)
- Private firm- Four Seasons Ltd
- Women

Objectives

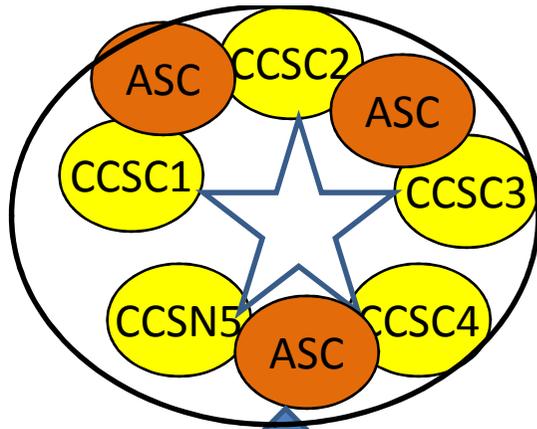
- Increase coverage of MSW management
- Facilitate adoption and sustainable use of Ecosan toilets
- Increase utilization of compost and Ecosan products for urban agriculture
- Enhance institutional capacity
- Strengthen information and knowledge management systems
- Women

Research and CCD

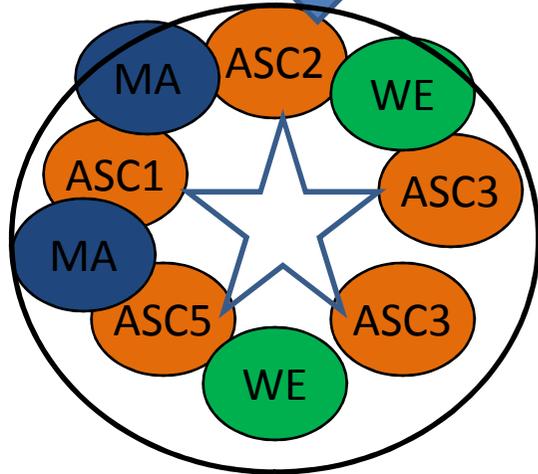


Urban Sanitation Social Learning Model

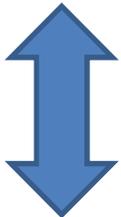




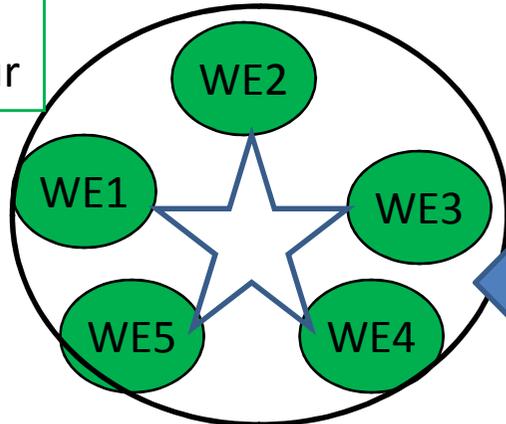
City Council Sanitation Committee



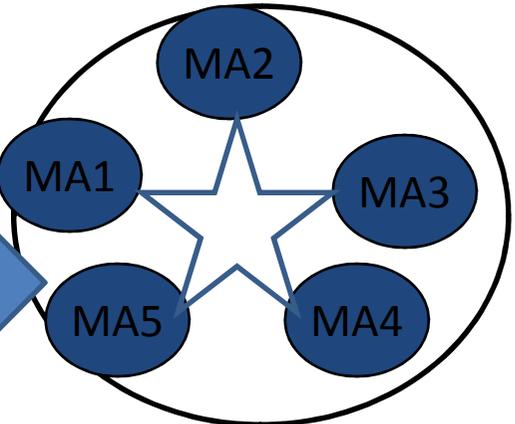
Area Sanitation Committee



West Entrepreneur



Formal and informal Market agents



Research 2 and CCD

Improving climate smart pre-harvest and post-harvest technologies in adaptation to climate change for increased food security among smallholder farmers in Malawi and Mauritius

Partners:

- Bunda College of Agriculture
- University of Leeds- SRI
- University of Mauritius

Preparation of casava flour



Objectives

- To evaluate indigenous knowledge on climate change impacts and adaptation responses for decreasing post-harvest losses
- To assess the direct and indirect impacts of climate change on post-harvest food processes, storage and marketing
- To identify, validate and upscale local climate-smart pre-harvest and post-harvest technologies
- To develop and test a Food Security Social Learning Model (FSSLM).
- To build capacity of key stakeholders in post-harvest food storage, processing, safety and marketing.

Policy and Future of CCD

What is the entry point at Global and National Policy?

Which problem are we addressing?

What additional value are we bringing?

Which short and long term development goals are we addressing?



Re-thinking the CCD concept

What are the needs of nations and communities in climate change and

Too many challenges and Opportunities

- Waste management
- culture and social
- Emissions
- Poverty
- Unemployment
- High school drop outs
- Development campaigns

Who are the losers and who are the winners