International Workshop
TOWARDS SCENARIOS FOR URBAN ADAPTATION PLANNING
Assessing seawater intrusion under climate and land cover changes in Dar es Salaam, Tanzania

Opening Remarks: the ACC Dar Project
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Project Information

Title: Adapting to Climate Change in Coastal Dar es Salaam
Time: 3 years - from Feb 2011 to Jan 2014
Funding entity: European Commission, DEVCO - grant
Applicant: Sapienza University of Rome
Partner: ARDHI University, Dar es Salaam
Associate: DCC - Dar es Salaam City Council

The project involves around 20 researchers (seniors & juniors). As such, it represents a golden opportunity for training of junior staff in both partner universities and for establishing relationship as well as networking with other universities.

Project results are available for downloading at www.planning4adaptation.eu
Project OBJECTIVES

Overall objective:

- to contribute to implementation of the National Adaptation Programme of Action of the United Republic of Tanzania - Priority sectors: human settlements, coastal and marine resources.

Specific objective:

- to enhance the capacity of Dar es Salaam LGAs to support peri-urban population in their effort to cope with environmental changes.
Conceptual framework

EMISSIONS

CONCENTRATIONS

CLIMATE CHANGE

CLIMATE VARIABILITY

NON-CLIMATIC DRIVERS

NON-CLIMATIC FACTORS

EXPOSURE to climate stimuli

SENSITIVITY to climate stimuli

ADAPTIVE CAPACITY

IMPECTS of climate change

VULNERABILITY to climate change

MITIGATION

ADAPTATION
Project STRATEGY

A. No measures for the reduction of PEOPLE’S exposure (like relocation to safer areas) or sensitivity (like new water pipes), as those measures are considered to be unsustainable both economically and socially

EXISTING LOCAL ADAPATIVE CAPACITY IS DEFINED AS THE MAJOR RESOURCE FOR CC ADAPTATION

B. No new adaptation-specific plan, as planning is far than effective in most of the Sub-Saharan Cities

MASTERTREAMING OF ADAPATION OBJECTIVES INTO EXISTING PLANS AND PROGRAMS
also taking the opportunity for revising them to make them more effective

C. Focus on Urban Development and Environmental Management

TO BETTER ENHANCE AND EXPLOIT PARTNERS’ COMPETENCES AND KNOW-HOW
Implemented Activities

Activity 1.1 – Household Questionnaires

Activity 1.2 – Municipal officers’ Questionnaires

Activity 1.3 – Participatory Theatre

Activity 1.4 – Evaluation Workshop
A 1.1: HH Questionnaires

A 1.3: Participatory Theatre
Implemented Activities

Activity 2.1 - Land Cover Change Monitoring and Analysis

Activity 2.2 - Seawater Intrusion Monitoring and Analysis

Activity 2.3 – Backcasting participatory scenarios (Sep 2013)

Activity 2.4 – Evaluation Workshop
A 2.1: Land Cover change monitoring and analysis
A 2.2: Seawater Intrusion monitoring and analysis
Implemented Activities:

Activity 3.1 – Capacity Building Strategy

Activity 3.2 – Training Program

Activity 3.3 – City Conference (July 2013)

Activity 3.4 – Adaptation Initiatives Design (Sep-Nov 2013)

Activity 3.5 – Evaluation Workshop (Dec 2013)
Project Outputs

At the end of the project:

R1 Knowledge on current and future livelihood strategies of women and men from Dar’s peri-urban areas will be increased

R2 Methodologies for enabling Dar's LGAs to design initiatives for supporting peoples’ adaptation efforts will be improved

R3 Dar’s municipal personnel trained to understand CC issues, identify adaptation objectives and integrate them into existing UDEM strategies and plans will be augmented
Project Outcomes and Impacts

Outcomes
At least four institutional initiatives for adaption will be identified to be undertaken by Dar’s LGAs

Impacts
• Reduction of local vulnerability to environmental changes by integrating adaptation objectives into Urban Development and Environment Management planning;
• Enhancement of local governance by strengthening LGAs capacities for adaptation while focusing on increased participation of women and men in decision making;
• Improvement of communities’ capacity for environmentally friendly exploitation of natural resources by raising awareness on the consequences of their adaptation strategies (maladaptation)
THANK YOU FOR YOUR ATTENTION!