



# ACC DAR

# Adapting to Climate Change in Coastal Dar es Salaam

## International Workshop

### TOWARDS SCENARIOS FOR URBAN ADAPTATION PLANNING

Assessing seawater intrusion under climate and land cover changes in Dar es Salaam, Tanzania



SAPIENZA  
UNIVERSITÀ DI ROMA



## Opening Remarks: the ACC Dar Project

Rome, 22 April 2013

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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](http://www.planning4adaptation.eu)

## **Project OBJECTIVES**

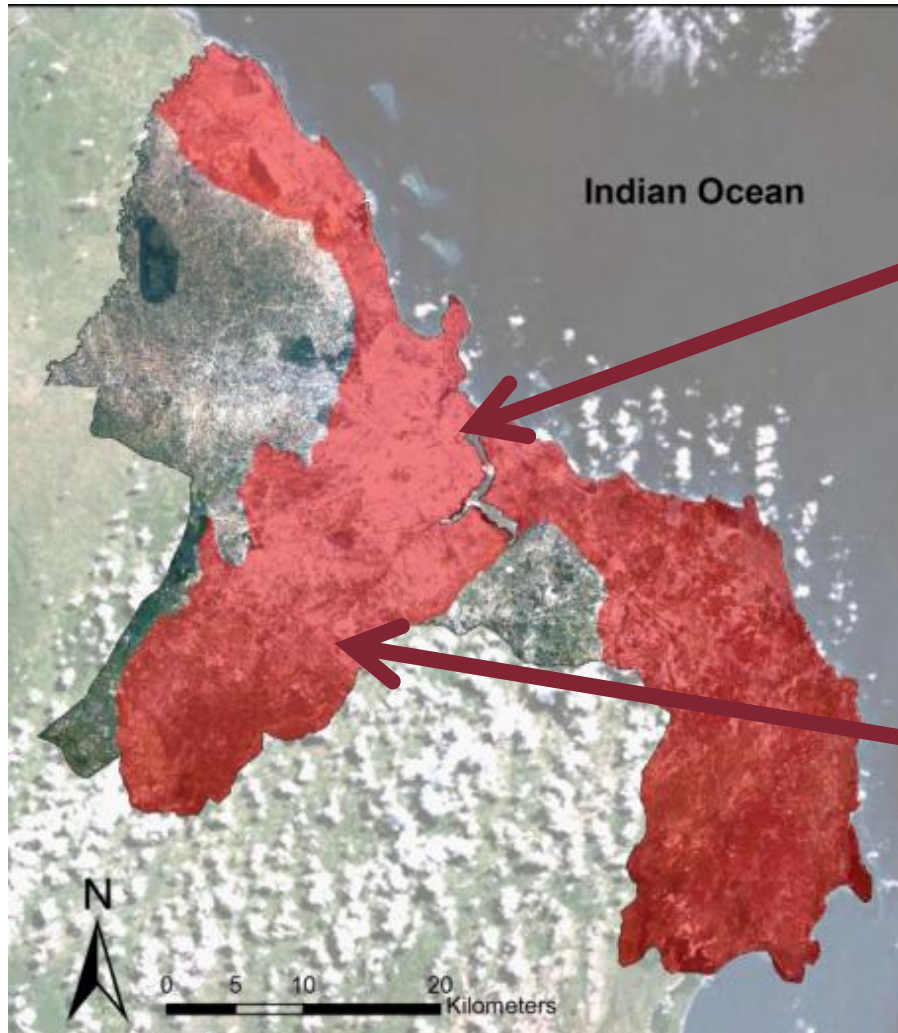
### **Overall objective:**

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.

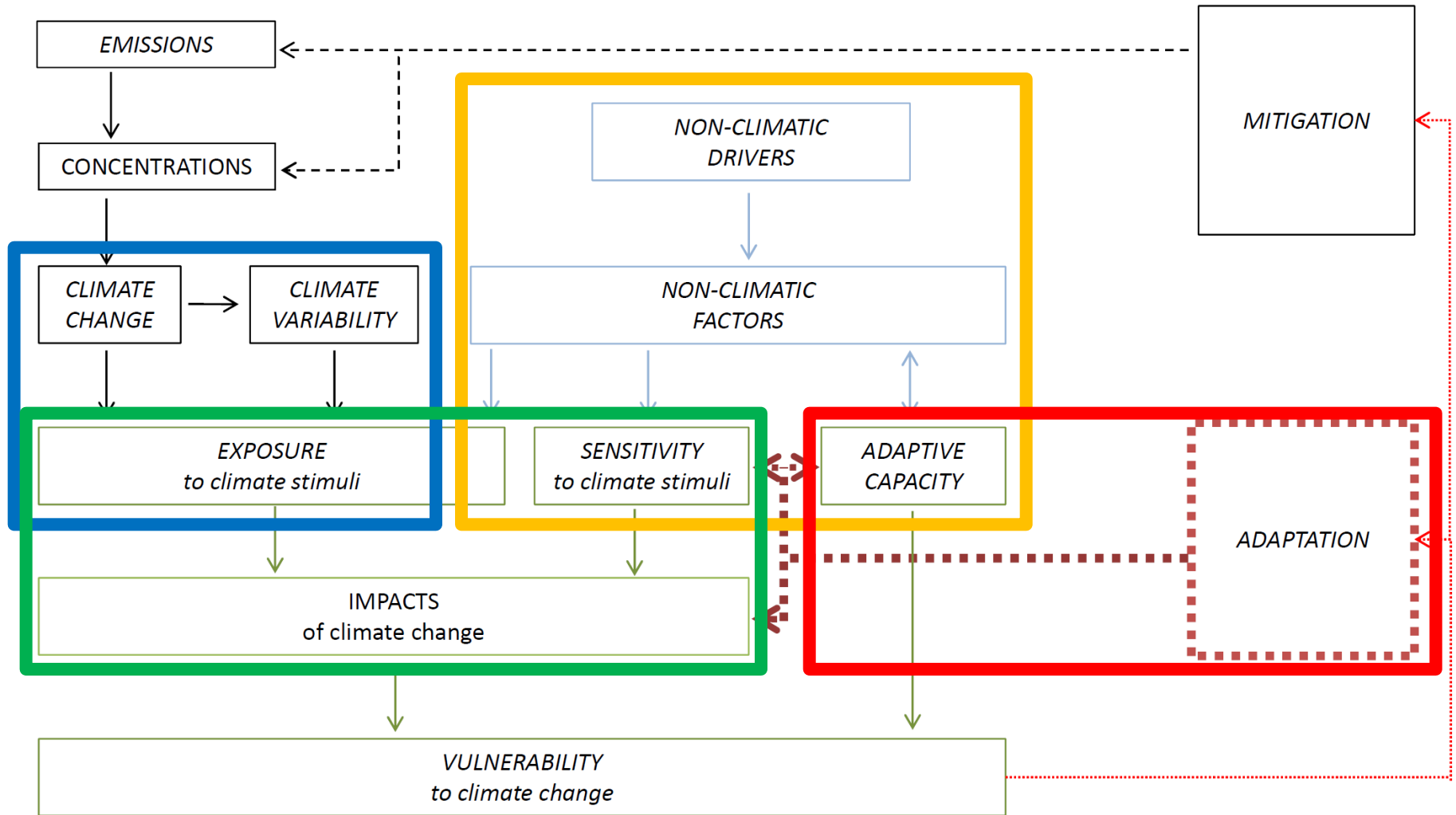
### **Specific objective:**

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

# Dar es Salaam Coastal Plain



# Conceptual framework



## 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

**MAINSTREAMING OF ADAPATATION OBJECTIVES INTO EXISTING PLANS AND PROGRAMS**

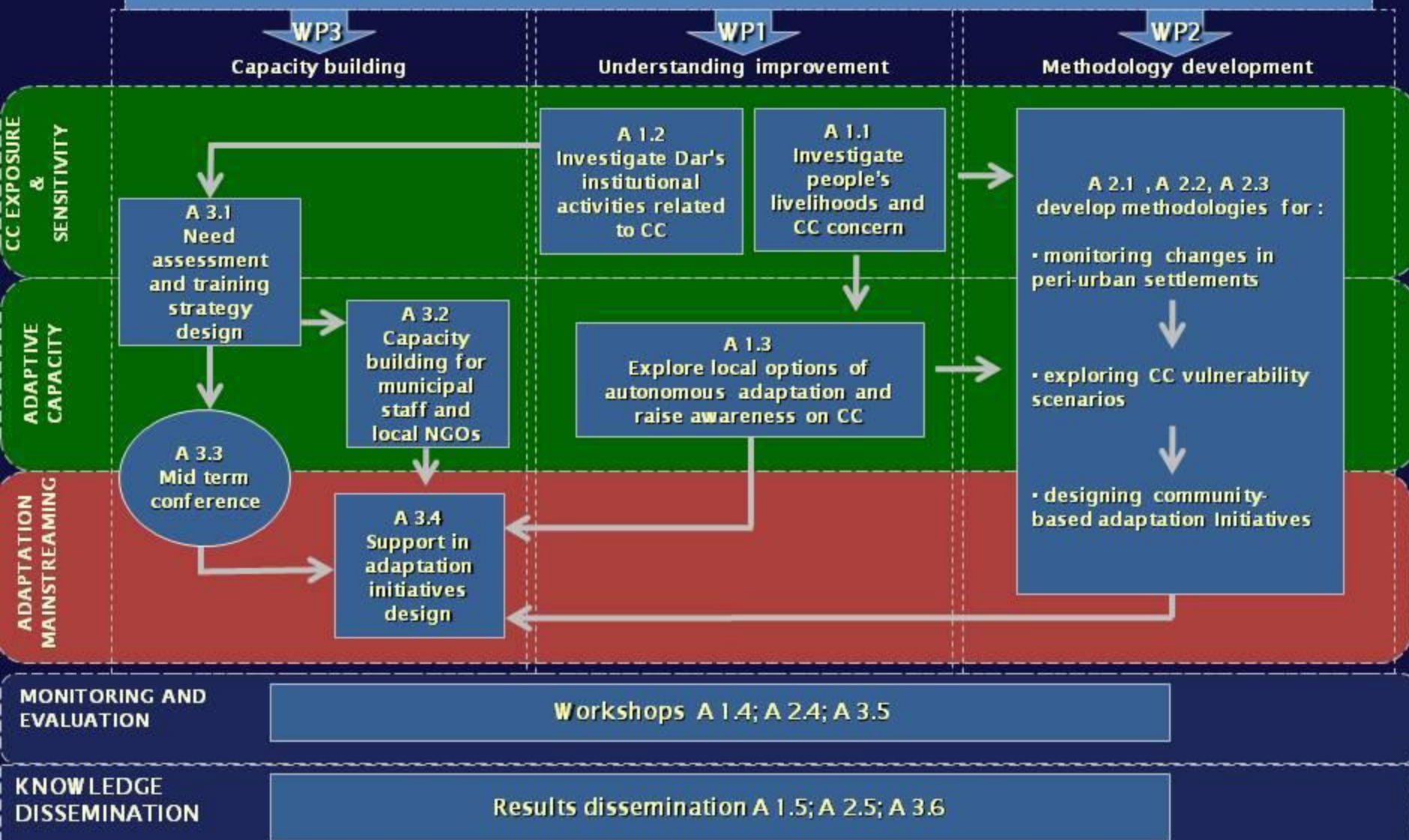
also taking the opportunity for revising them to make them more effective

- C. Focus on Urban Development and Environmental Management  
**TO BETTER ENHANCE AND EXPLOIT PARTNERS' COMPETENCES AND KNOW-HOW**

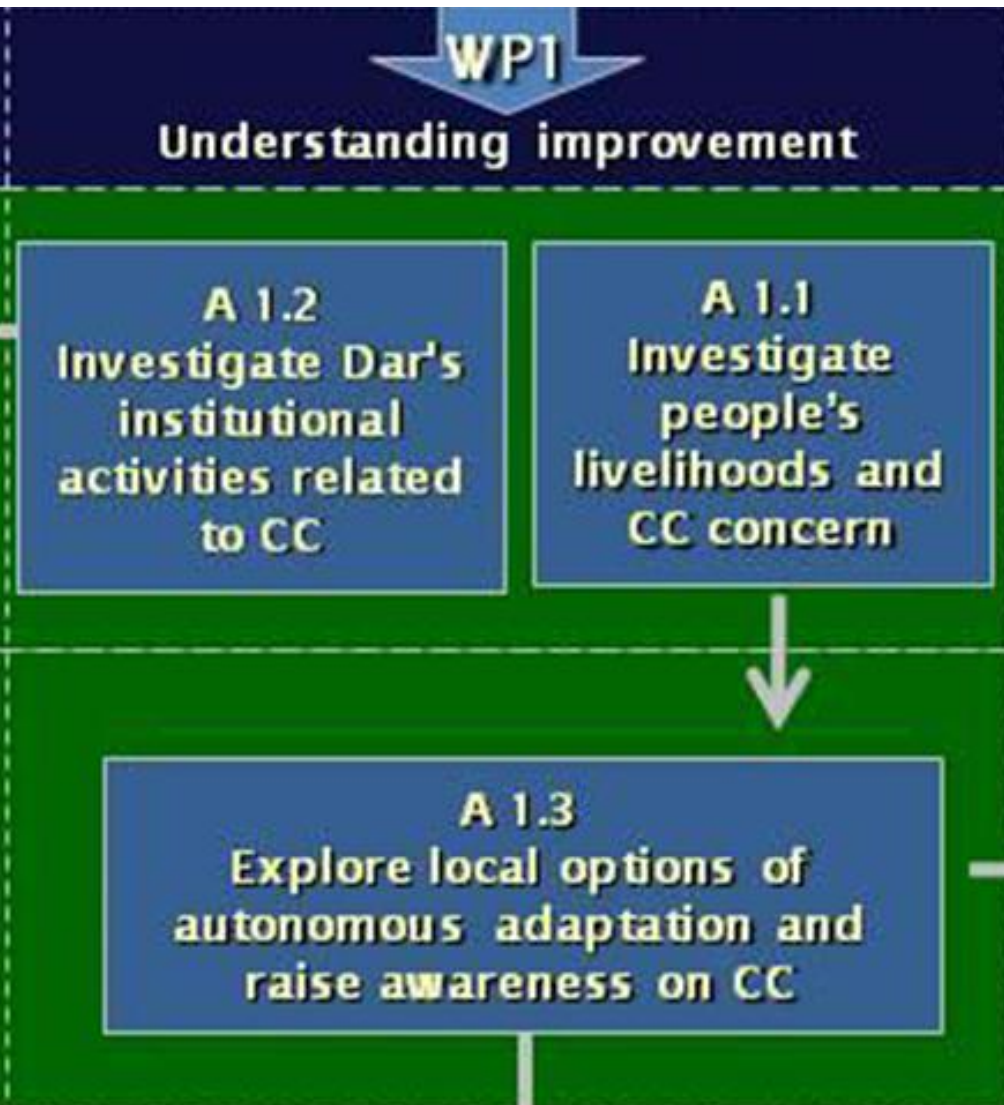




# Adapting to Climate Change in Coastal Dar es Salaam (ACCDar)



NAPA implementation at local level



## Implemented Activities

Activity 1.1 – Household Questionnaires

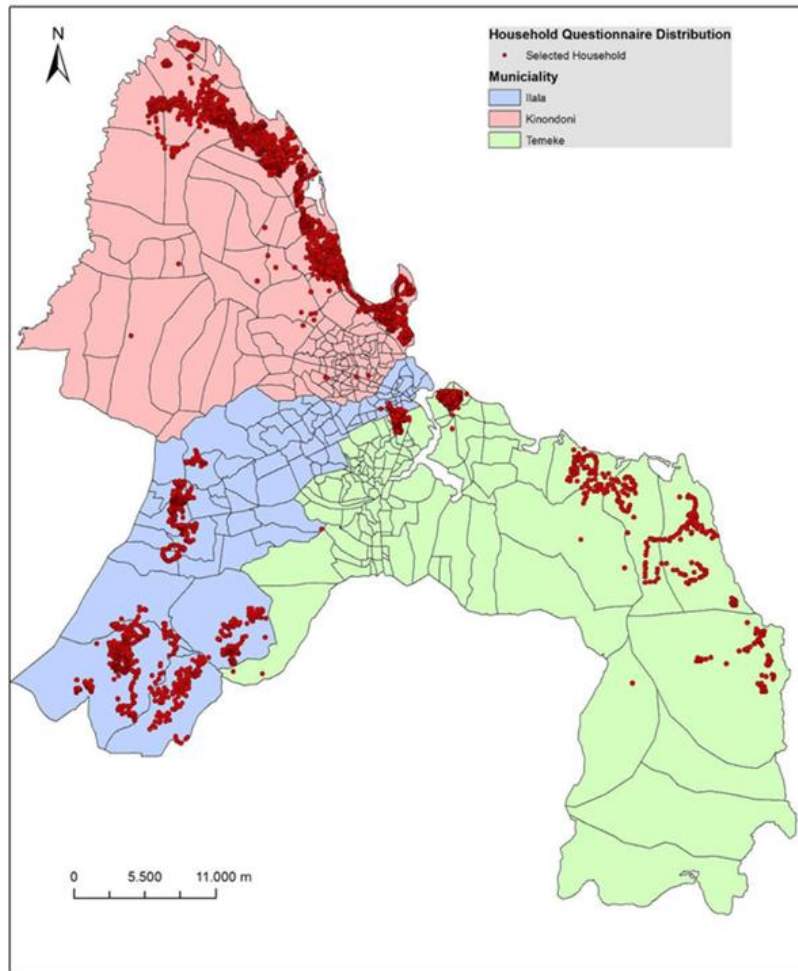
Activity 1.2 – Municipal officers' Questionnaires

Activity 1.3 – Participatory Theatre

Activity 1.4 – Evaluation Workshop



## A 1.1: HH Questionnaires



## A 1.3: Participatory Theatre



**A 2.1 , A 2.2, A 2.3  
develop methodologies for :**

**• monitoring changes in  
peri-urban settlements**



**• exploring CC vulnerability  
scenarios**



**• designing community-  
based adaptation Initiatives**

## Implemented Activities

Activity 2.1 - Land Cover Change Monitoring and Analysis

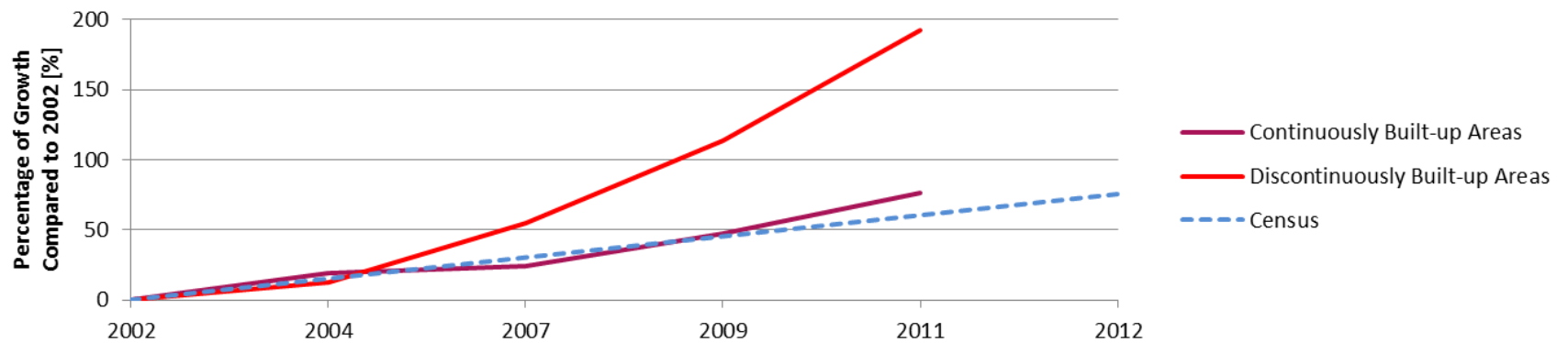
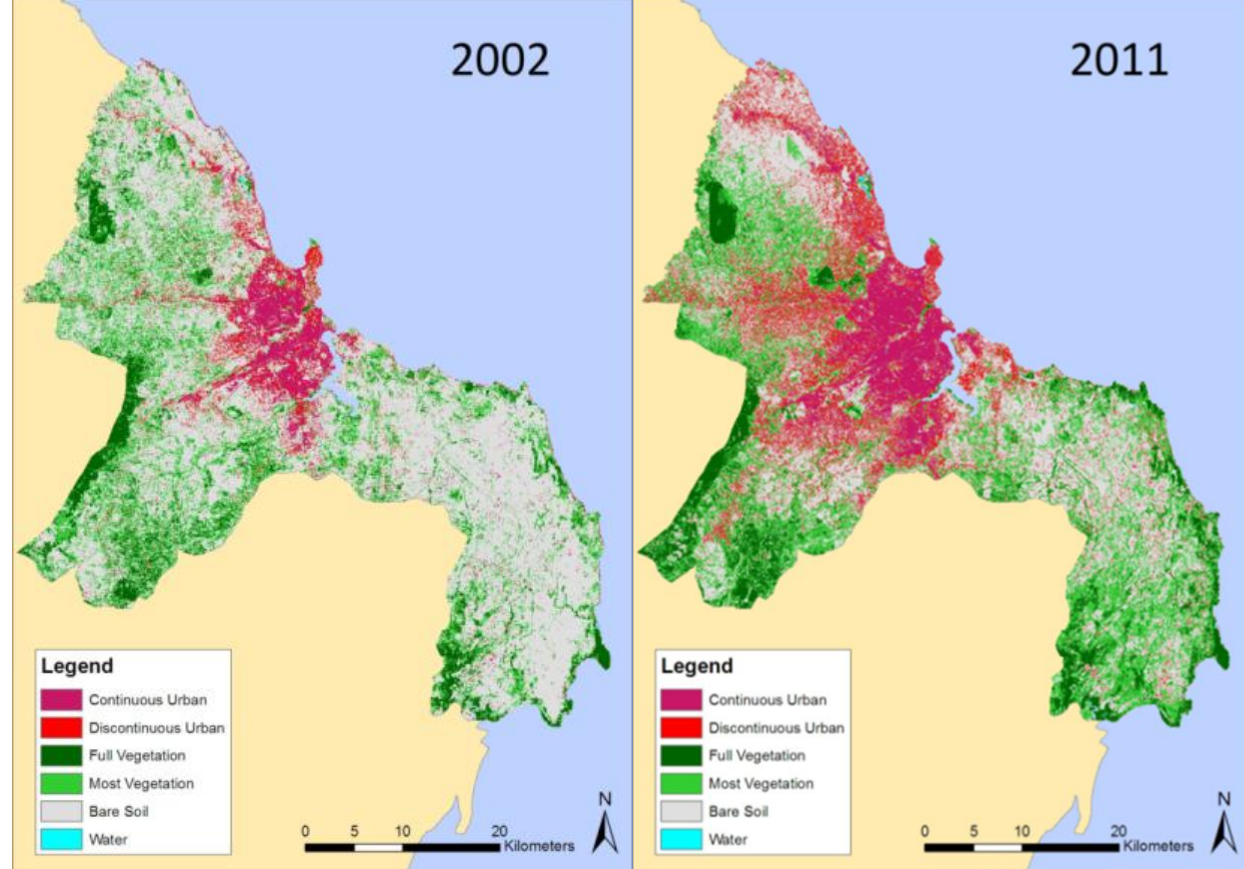
Activity 2.2 - Seawater Intrusion Monitoring and Analysis

Activity 2.3 – Backcasting participatory scenarios (Sep 2013)

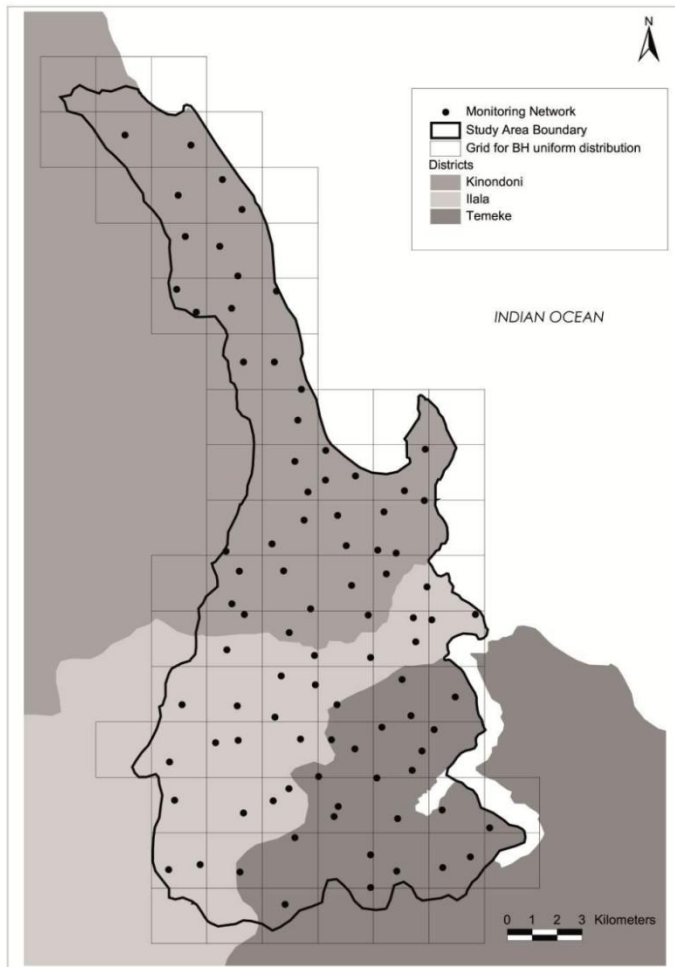
Activity 2.4 – Evaluation Workshop

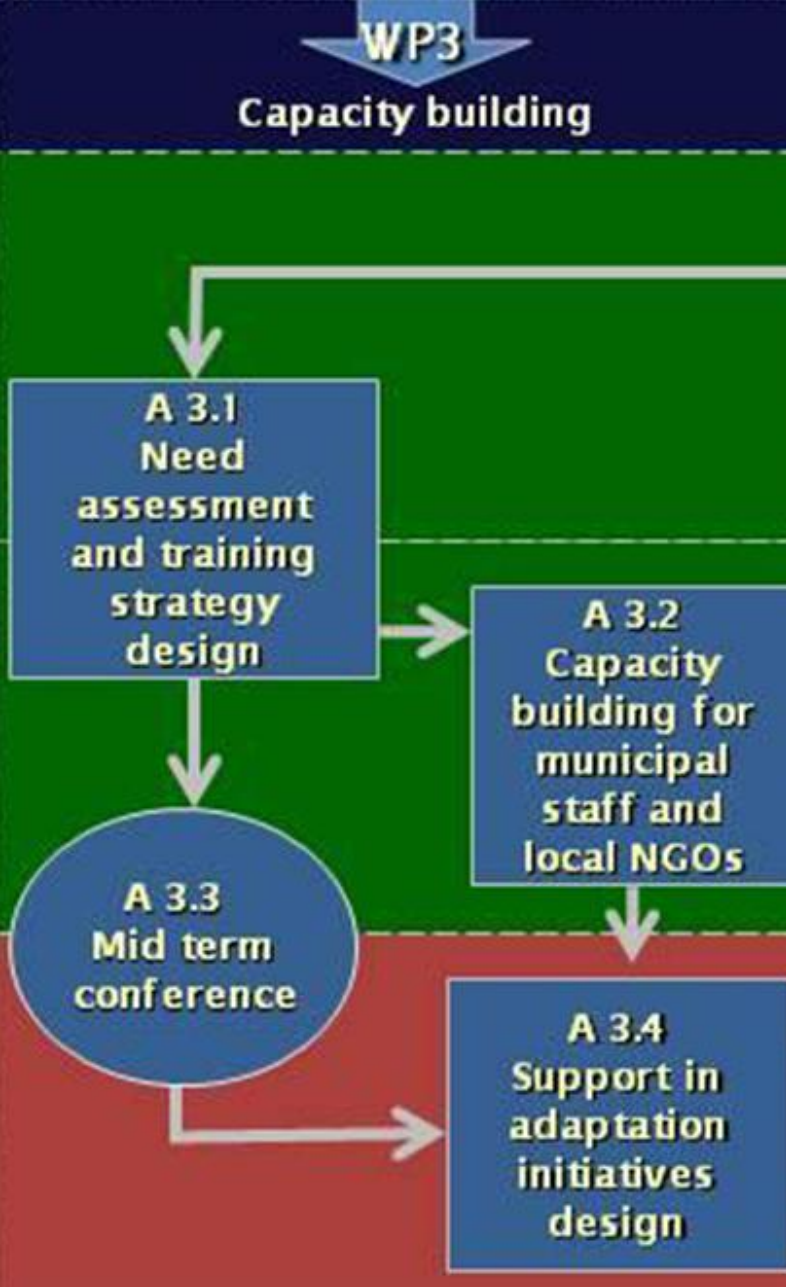


## A 2.1: Land Cover change monitoring and analysis



## 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!**