



ACC DAR Adapting to Climate Change in Coastal Dar es Salaam

Royal Holloway, University of London, 16-17 July 2013
Bearing the brunt of environmental change: understanding climate adaptation and transformation challenges in African cities.

Building knowledge for climate change adaptation in coastal peri-urban Dar es Salaam, Tanzania

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SAPIENZA
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Project information

Title: Adapating 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 junior training in both partner universities and for establishing relations with other universities.

Project **results** available for downloading at www.planning4adaptation.eu

Project OBJECTIVES

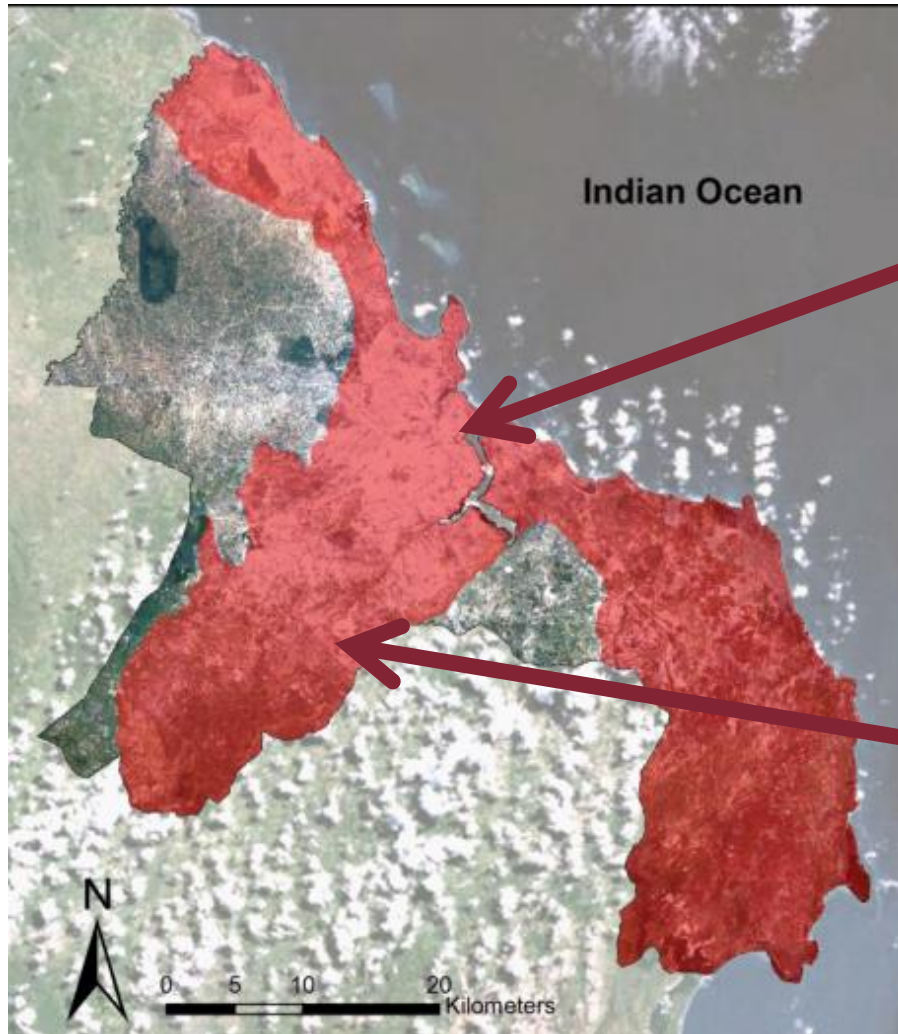
Overall objective:

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.

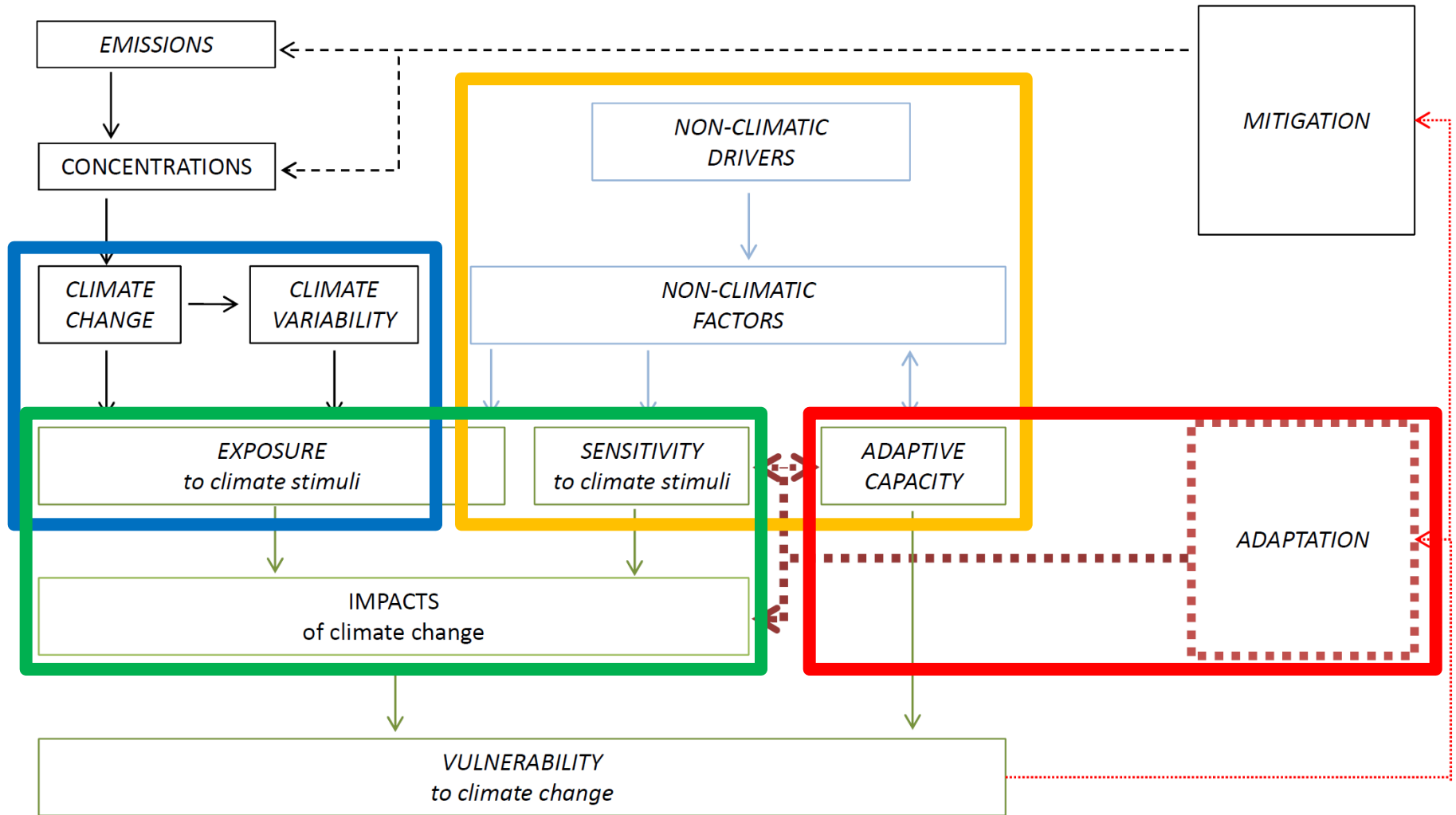
Specific objective:

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

Dar es Salaam Coastal Plain



Conceptual framework



Project STRATEGY

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

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

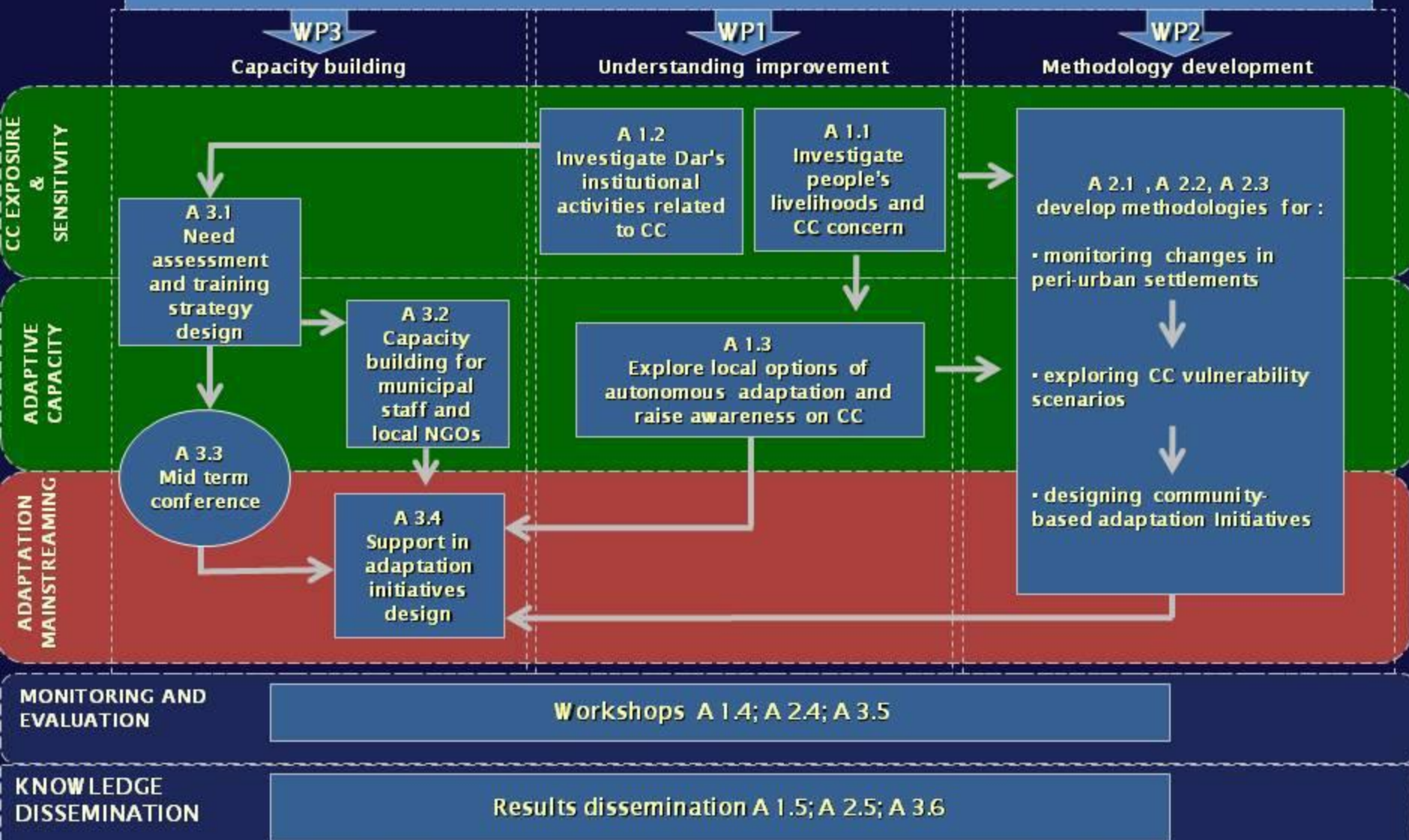
- B. No new adaptation-specific plan, as planning is far than effective in Sub-Saharan Cities

MAINSTREAMING OF ADAPATATION OBIJECTIVES INTO EXISTING PLANS AND PROGRAMS

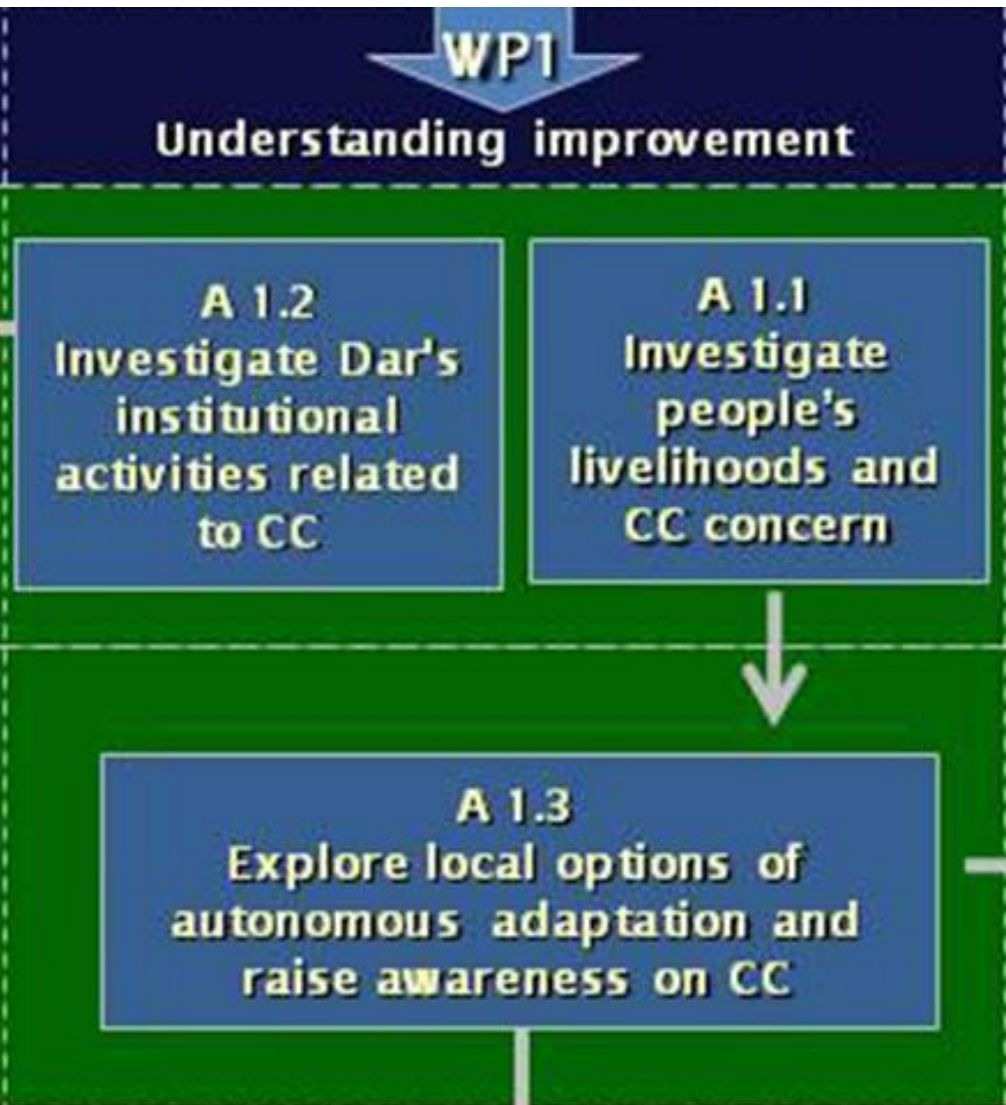
also taking the opportunity for revising them towards more effectiveness

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

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



NAPA implementation at local level



Implemented Activities

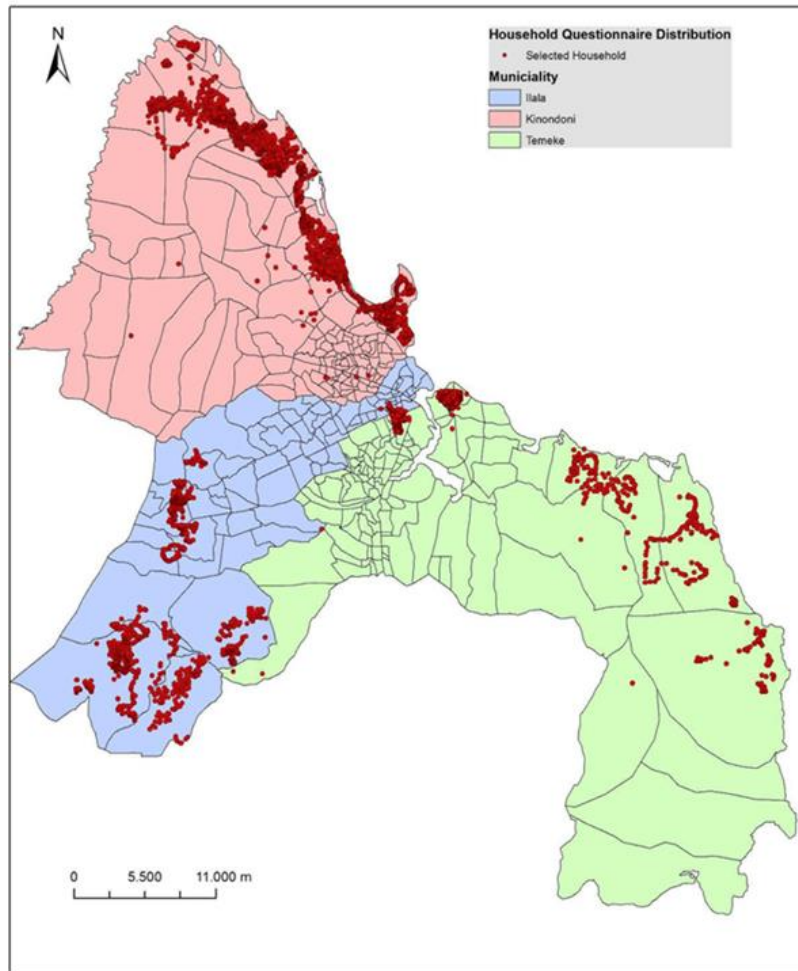
Activity 1.1 – Household Questionnaires

Activity 1.2 – Municipal officers' Questionnaires

Activity 1.3 – Participatory Theatre

Activity 1.4 – 1st Evaluation Workshop

HH Questionnaires



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

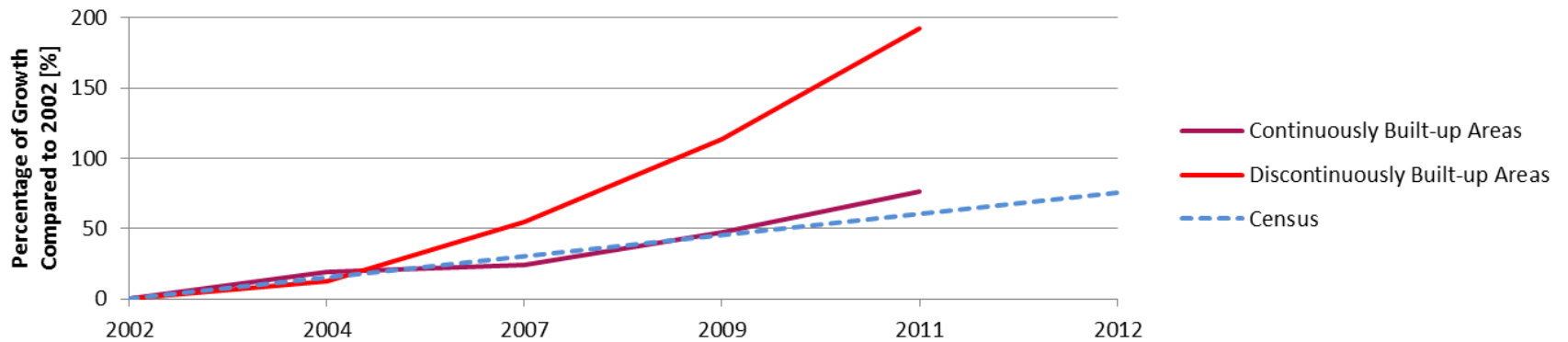
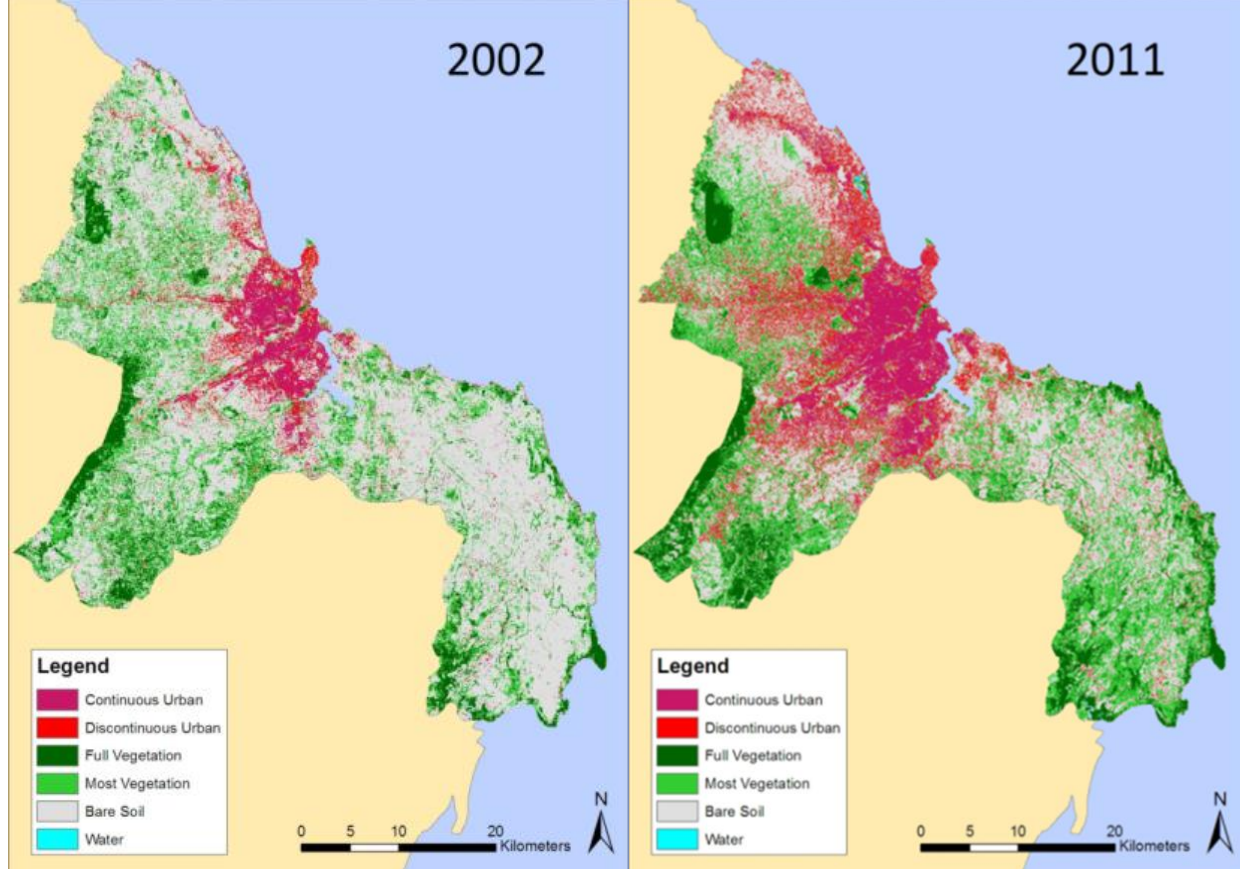
Activity 2.1 - Land Cover Change Monitoring and Analysis

Activity 2.2 - Seawater Intrusion Monitoring and Analysis

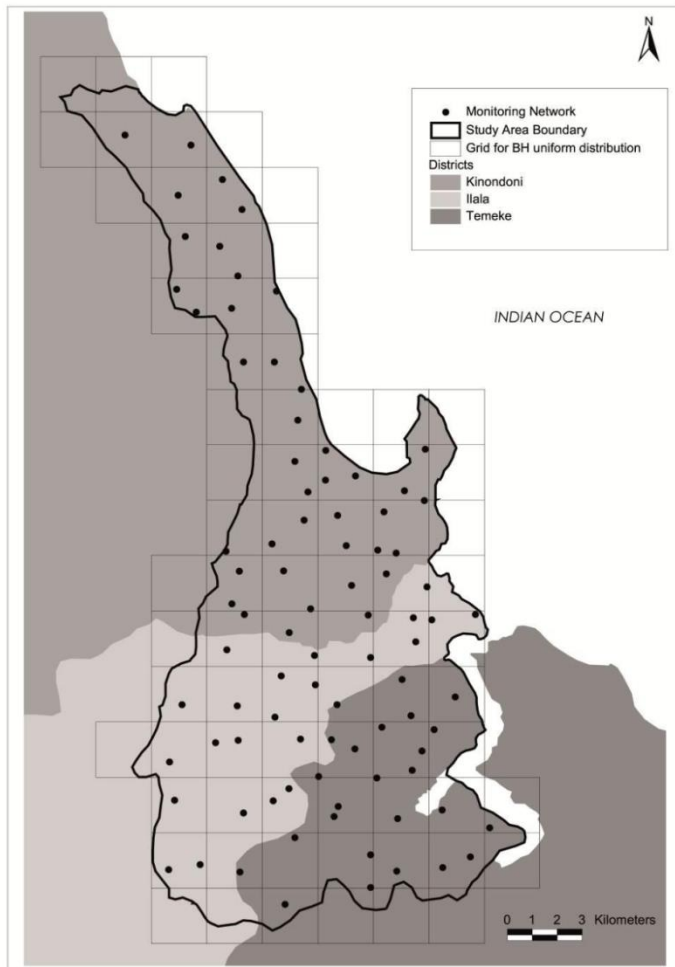
Activity 2.3 – Backcasting participatory scenarios (Sep 2013)

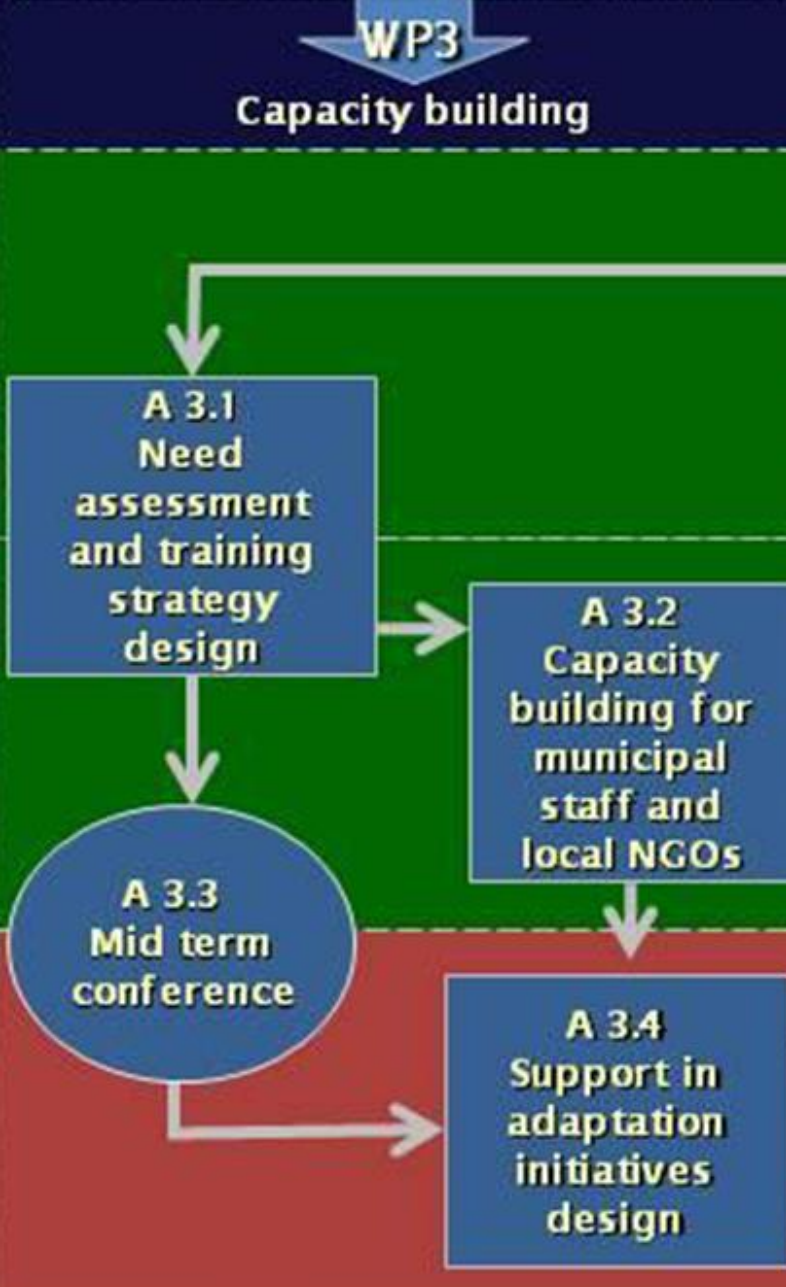
Activity 2.4 – 2nd Evaluation Workshop

Land Cover change monitoring and analysis



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 – 3rd Evaluation Workshop (Dec 2013)

Project Outputs

By 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 at the disposal of Dar's LGAs for the design of initiatives to supporting people 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)