



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

Rome, 22 April, 2013

## Programme

### 9.00 Registration

### 9.30 Welcome Speeches

Fabrizio VESTRONI *Dean of the Faculty*

Bernardo DE BERNARDINIS *President of ISPRA (to be confirmed)*

Antonio D'ANDREA *Head of the DICEA*

### 10.15 Opening Remarks: the ACC Dar Project

Chair: Silvia MACCHI, *Sapienza University*

Roberto RIDOLFI *Ambassador of the European Union to Uganda*

Gabriel KASSENGA *Deputy Vice-Chancellor of the Ardhi University, Tanzania*

### 11.00 Coffee Break

### 11.30 Session 1. Monitoring Urban Environmental Changes: Seawater intrusion

Chair: Gabriel KASSENGA, *Ardhi University*

SALTWATER INTRUSION AND NITRATE POLLUTION IN THE COASTAL AQUIFER OF DAR ES SALAAM  
Ibrahimu Chikira MJEMAH, *Sokoine University*

MONITORING SEAWATER INTRUSION IN THE COASTAL AQUIFER OF DAR ES SALAAM  
Stephen MBULIGWE, *Ardhi University*

MONITORING SEAWATER INTRUSION IN THE COASTAL AQUIFER OF APULIA REGION  
Maria Dolores FIDELIBUS, *Bari Polytechnic*

ASSESSING SEAWATER INTRUSION IN THE COASTAL AQUIFER OF DAR ES SALAAM  
Giuseppe SAPPA, *Sapienza University*

### 13.00 Lunch

### 14.30 Session 2. Monitoring Urban Environmental Changes: Urban Sprawl

Chair: Rachel KADUMA, *Dar City Council*

MONITORING URBAN GROWTH IN DAR ES SALAAM  
Elifuraha G. MTALO, *Bagamoyo University*

ASSESSING URBAN SPRAWL IN DAR ES SALAAM  
Michele MUNAFO' and Luca CONGEDO, *ISPRA and Sapienza University*

THE NEW MASTER PLAN OF DAR ES SALAAM  
Domenico PATASSINI, *IUAV*

SUSTAINABLE URBAN ENVIRONMENT ATLAS FOR THE SAHELIAN CITY  
Maurizio TIEPOLO, *Turin Polytechnic*

URBAN ENVIRONMENT PLANNING: PROVIDING SAHELIAN LOCAL GOVERNMENTS WITH GIS  
Sarah BRACCIO, *Turin Polytechnic*

### 16.00 Coffee Break

### 16.30 Round Table. Towards Urban Environmental Scenario under Climate and Land Cover Changes

Chair: Silvia MACCHI, *Sapienza University*, and Gabriel KASSENGA, *Ardhi University*

Speakers:

Domenico GAUDIOSO, *ISPRA*

Francesco CIOFFI, *Sapienza University*

Fabio ATTORRE, *Sapienza University*

Chiara CARANTI, *Bologna Municipality*

Arnaldo CECCHINI, *University of Sassari*

Stefano GIULIOLI, *Acqualatina*

and all participants at the workshop

**VENUE:** Faculty of Civil and Industrial Engineering, Sapienza University of Rome  
Via Eudossiana 18, Roma – Cloister main Hall



This project is co-funded  
by the European Union



DIPARTIMENTO DI INGEGNERIA  
CIVILE EDILE E AMBIENTALE



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