



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

Rome, 20-22 April, 2013

## Programme – 22 April

**9.00 Registration**

**9.30 Welcome Speeches**

Fabrizio VESTRONI *Dean of the Faculty*

**10.00 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*

**10.40 THE NEW MASTER PLAN OF DAR ES SALAAM**

Enrico FONTANARI, *IUAV*

**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  
Fredrick A. LIGATE, *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 SAPPÀ, *Sapienza University*

**13.10 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*

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*

**16.10 Coffee Break**

**16.40 Round Table.**

**Towards Urban Environmental Scenario under Climate and Land Cover Changes**

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

Speakers:

Giuseppe FALDI & Silvia MACCHI, *Sapienza University*

Domenico GAUDIOSO, *ISPRA* (5 min.)

Francesco CIOFFI, *Sapienza University*

Fabio ATTORRE, *Sapienza University*

Chiara CARANTI, *Bologna Municipality*

Arnaldo CECCHINI, *University of Sassari*

and all participants at the workshop

**18.30 Conclusions**

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



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**ISPRA**

Istituto Superiore per la Protezione  
e la Ricerca Ambientale



DIPARTIMENTO DI INGEGNERIA  
CIVILE EDILE E AMBIENTALE



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