

# UICCA3

## Climate risk assessment and mitigation approaches: experiences from ANADIA Niger and other initiatives

3<sup>rd</sup> International UICCA Conference  
Urban Impact of Climate Change in Africa



Friday 11<sup>th</sup> March 2016, 9:00 am - 4:00 pm  
Politecnico di Torino, Castello del Valentino  
Viale Mattioli 39, Torino, Italy

# PROGRAM

<b>8:45 Opening</b>		<b>Caccia Hall</b>
<b>9:00</b>	Welcome to participants <b>Patrizia LOMBARDI</b>   DIST Director <b>Antonio RASCHI</b>   IBIMET CNR Director <b>Representative</b> of the Italian Cooperation	
<b>9:30</b>	Introduction <b>Maurizio TIEPOLO</b>   DIST Politecnico and University of Turin	
<b>10:00</b>		<b>Zodiaco Hall</b>
<b>Session I</b> <b>CLIMATE SERVICES</b>		
Chair: <b>Alessandro PEZZOLI</b>		
<i>Setting up and managing Automatic Weather Stations for remote sites monitoring: from Niger to Nepal</i> <b>Francesco SABATINI</b> IBIMET CNR		
<i>The hazard events characterization in Tillaberi Region: present and future projections</i> <b>Maurizio BACCI</b> IBIMET CNR		
<i>Characterization of climate risks for rice crop in Casamance, Senegal</i> <b>Maurizio BACCI</b> IBIMET CNR		
<i>Climate Change, drought and food security: a methodology for the vulnerability analysis. The case of the West Arsi Woreda in Etiopia</i> <b>Alessandro PEZZOLI</b> DIST Politecnico and University of Turin		
<b>10:00</b>		<b>Caccia Hall</b>
<b>Session II</b> <b>EVALUATION AND PLANNING</b>		
Chair: <b>Vieri TARCHIANI</b>		
<i>Risk analysis and evaluation to improve climate adaptation planning in Niger: the ANADIA Approach</i> <b>Vieri TARCHIANI</b> IBIMET CNR		
<i>Risk analysis and evaluation to improve climate adaptation planning in Garbey Kourou and Tallé, Western Niger</i> <b>Maurizio TIEPOLO, Sarah BRACCIO</b> DIST Politecnico and University of Turin		
<i>A simplified hydrological method for flood risk assessment at sub-basin level in Niger</i> <b>Edoardo FIORILLO</b> IBIMET CNR		
<i>Socio-technical transitions and resilient infrastructure: analysing changes in access to water following infrastructure upgrade in Dar es Salaam, Tanzania</i> <b>Liana RICCI</b> DICEA Sapienza University of Rome		
<b>11:15 Coffee break</b>		<b>Colonne Hall</b>
<b>11:45</b>		<b>Zodiaco Hall</b>
<i>Visualize and communicate extreme weather risk to improve urban resilience</i> <b>Elena Isotta CRISTOFORI, Anna FACELLO, Alessandro DEMARCHI, Walter CAMARO</b> Politecnico di Torino		
<i>Climate Change Adaptation and Resilience in Mali</i> <b>Toufic EL ASMAR</b> FAO		
<b>11:45</b>		<b>Caccia Hall</b>
<i>Monitoring and evaluating advocacy and mainstreaming of climate change adaptation in Haiti</i> <b>Maurizio TIEPOLO</b> DIST Politecnico and University of Turin		
<i>Knowledge for transformational adaptation planning: comparing the potential of forecasting and backcasting methods for assessing people vulnerability</i> <b>Silvia MACCHI, Giuseppe FALDI</b> DICEA Sapienza University of Rome		

*Building resilience to drought in the Sahel by early risk identification and advices*

**Patrizio VIGNAROLI**

IBIMET CNR

*Review of pilot projects on Index-based Insurance in Africa: Insights and lessons learned*

**Federica DI MARCANTONIO**

Joint Research Center

*CARITALENTS - a training experience in Caribbean. Knowing "territorial heritage" to cope with climate change and to improve the quality of life*

**Raffaele PALOSCIA**

DIDA Florence University

*Possible impact of pelletized crop residues use as a fuel for cooking in Niger*

**Stefano BECHIS**

DIST Politecnico and University of Turin

**1:00 Lunch**

**Colonne Hall**

**2:00**

**Zodiaco Hall**

*Regional Climate Change Adaptation Framework for the Mediterranean Marine and Coastal Areas*

**Piero PELIZZARO**

Climalia

*Climate Smart Agriculture as adaptation tool to climate change and risk reduction in the specific case of the DRC*

**Aimé KAZIKA KAMOSI**

HPP-Congo

**2:00**

**Caccia Hall**

*Climate Vulnerability Reduction Credits: Measuring results of adaptation; potential applicability for sub-Saharan communities*

**Karl SCHULTZ**

Climate Adaptation Works

*An effective Mainstreaming DRR and Resilience approach in La Paz (Mexico) and San Jose (Costa-Rica)*

**Enrico PONTE**

GeoAdaptive LLC

*Climate risk assessment and consequence. Some reflection about the Niamey urban area*

**Mario ARTUSO**

DIST Politecnico and University of Turin

**3:00**

**Caccia Hall**

**3:50** *Strengthening local capacities / Round table* **Raffaele PALOSCIA** | DIDA Florence University

**3:45** *Conclusions* **Maurizio TIEPOLO** | DIST Politecnico and University of Turin

## ORGANIZING COMMITTEE

General chair  
Program chairs

Secretariat

Person in charge of press release

**Maurizio TIEPOLO** | DIST Politecnico and University of Turin

**Vieri TARCHIANI** | IBIMET CNR Florence

**Alessandro PEZZOLI** | DIST Politecnico and University of Turin

**Eleonora D'ELIA, Noemi GIRAUDO** | Politecnico di Torino

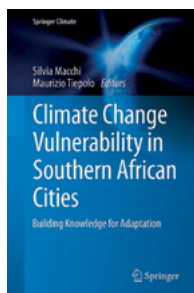
**Cinzia PAGANO, Luisa MONTOBBIO** | DIST Politecnico and University of Turin

**Timotheos VASSILIOU**



**ANADIA Niger** is a training and action-research project funded by the Italian Ministry of Foreign Affairs and implemented by IBIMET-CNR, DIST-Politecnico and University of Turin and the National Meteorological Service of Niger.

The Project strengthen the capacities of national, regional and local stakeholders in climate change adaptation and flood and drought risk reduction. ANADIA operate in the Tillabéri region (95,000 km2, 4 million inhabitants).

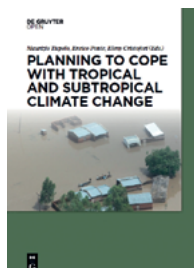


## UICCA

### Urban impact of climate change in Africa

The first UICCA international conference (Turin, November 2011), jointly organized by DIST-Politecnico di Torino and the Provincial administration of Turin, focused on urban impact of climate change South of the Sahara, a sub-continent increasingly hit by hydro-climatic disasters. Papers focused on vulnerability analysis and hydro-climatic risk.

A selection of papers has been edited for Springer international in 2014.



## UICCA<sup>2</sup>

### Planning with Scant Information

The second UICCA international conference (Turin, November 2013), organized by the DIST-Politecnico and University of Turin, the Sapienza University of Rome and the Provincial administration of Turin focused on two key themes for action: the knowledge of environmental risks and planning for risk reduction.

Papers has been edited for De Gruyter Open in 2016.

## REGARDING UICCA<sup>3</sup>

Decentralization in Tropical Africa puts decision-making in adaptation and risk reduction in the hands of those who are directly experiencing climate change and disasters. Local plans are multiplying at municipal and village scale. Nevertheless these tools, built on local/indigenous knowledge only, have still several limits: climate trends are not considered, measures priority in case of multi-risk (as drought and flood) are badly developed, expected effects of measures implementation are rarely known. As a consequence, plans implementation has little impact in creating safer communities.

Scientific-technical knowledge have proven effective in enabling local decision-makers to make better informed decisions. Climate services (WMO), risk assessment and mapping tools as well as monitoring and early warning systems provide appropriate information for risk reduction and adaptation but are not widely applied at local scale.

**ANADIA-Niger Project** (2013-2015) has invested in strengthening capacities in supplying climate services and developing analysis-evaluation locally.

**UICCA<sup>3</sup>** aims to present, compare and discuss the outcomes attended so far with other experiences having integrated local and technical knowledge for a better response to climate change in the Tropics. All people working for local CCA/DRR in the Tropics are welcome to join the Conference: Donors, NGOs, experts, students.