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

3rd International UICCA Conference
Urban Impact of Climate Change in Africa

Friday 11th March 2016, 9:00 am - 4:00 pm
Politecnico di Torino, Castello del Valentino
Viale Mattioli 39, Torino, Italy
# PROGRAM

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

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Vieri TARCHIANI | IBIMET CNR Florence
Alessandro PEZZOLI | DIST Politecnico and University of Turin

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

Person in charge of press release
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.

UICCA²
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 UICCA³

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.
UICCA³ 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.