

Climate Services and related Applications



This project is funded by
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ACP/FED/038-833



INTRA-ACP CLIMATE SERVICES AND RELATED APPLICATIONS PROGRAMME



An initiative of the Organisation of African, Caribbean
and Pacific States funded by the European Union



A project led & implemented by the
African Center of Meteorological
Applications for Development

11th European Development Fund
Climate Services and related applications Programme
CONTRACT NO. ACP/FED/038-833

Concept Note For Side Event At the UNFCCC COP 27 on:

**Climate Smart cities in Africa: Building resilience to climate change in
current and future mega cities**

Date: 07-18 November 2022 Time : XXXXX-XXXXXX , Room: xx pavilion

Sharm El Cheikh - EGYPT

Abstract

This document describes the background and rationale, overall objective, outcomes of a Side event on "building resilience of African cities to climate change "



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1. Background

With evolving climate change, it is being more frequently reported that portions of Africa – and cities in particular – are heading towards a situation of ‘lethal heat’, in which human physiology is pushed beyond its natural cooling capacity and with impacts to health, labor productivity, cities infrastructure, water and energy (cooling) requirements.

Little or no measures are currently taken to remedy this situation. In fact, the challenge of building resilience against extreme heat is hardly or not considered in Africa because little awareness is raised on the cocktail composed of rapid population growth and urbanization, expansion of slums with fragile habitat with poor city planning and poverty, increase in frequency, severity and impacts of heat waves in African cities.

This side event seeks to contribute to increase awareness and sense of urgency with respect to the projected impacts of climate change on future extreme urban heat stress in a pilot African city (Niamey).

Currently, no high resolution information regarding Niamey’s climate future is available, which constitutes a major blocking factor to develop climate resilience measures.

Scientifically credible information, and in particular is being offered through an accessible and user-oriented platform, to support the **formulation of measures to enhance Niamey city’s resilience to future heat waves**. Another blocking factor for climate action is the lack of funds to develop and implement resilience and adaptation measures.

The platform will provide climate information and knowledge support for mobilization of climate and development funding at international donor organizations for cities planning and implementation of climate resilience actions.

The 2022 UNFCCC COP 27 will be organized in Sharm El Cheikh, Egypt, 7-18 November 2022 to discuss implementation of commitments made at COP 26 particularly on the yearly review of Nationally Determined Contributions to tackle climate change. Policy makers, negotiators and leaders from private sector, science and civil society will participate and contribute to debate on city resilience to climate change.

This side event will showcase the products from a high resolution city scale climate change information platform highlighting future extreme temperature for impact studies and adaptation/resilience planning for climate smart.

2. Goal and objectives

The goal of the side event is to raise awareness of policy makers and the public on the quick increase in warming rates, heat waves frequency and severity at city scale supporting prioritization of actions on building high resolution climate information for building resilience to heat waves in African cities.

The objectives are to;

- showcase evidence of availability of high-resolution heat wave information for the pilot City of Niamey-Niger;



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- demonstrate potential use of the information for planning, mobilization of resources and implementation of climate adaptation action;
- promote prioritization of heat waves monitoring and impacts reduction in adaptation and resilience planning and action.

3. Methodology

Through introductory presentations, this side event will highlight current advances in high resolutions climate change information generation, showcase future heat waves and potential impacts in the pilot city of Niamey. Key messages on science informed city adaptation options will be discussed through dialogue in the panel discussion following presentations. The side event will be organized with presentations from VITO (Belgium technological development institute). ACMAD and partners followed by discussions on city planning for resilience to future heat waves in African Cities. Additional exchanges with the audience will consolidate the messages and conclusions on the topic.

4. Outcomes

Key expected outcomes during the Side event include:

- African climate policy makers and negotiators are more aware on temperature trends, heat waves frequency, severity and impacts in the pilot city of Niamey-Niger
- Resilience and Adaptation priorities to city increase resilience discussed

Resources mobilization opportunities for cities resilience and adaptation projects formulation and implementation identified

5. Outputs

Essential information and documents to be generated and disseminated before, during and after UNFCCC COP 27 will be the following:

- ✓ Concept notes for the side event;
- ✓ Announcements, invitations and call for participation to the event;
- ✓ Reports on the side event;
- ✓ Briefs, and press releases highlighting key messages on high resolution information on extreme temperatures for cities;
- ✓ Emails, Facebook entries and Twitter messages on the event;
- ✓ Website publications;
- ✓ Interviews for media;
- ✓ Final Global COP 27 mission report.



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6. Organization

AUC, ACMAD, VITO, RECs and partners are organizers of **the side event** .

7. Program

5 min.	Introduction	Moderator
	VITO and ACMAD	VITO
	Presentations	
40 min.	<i>Urban Climate Information Platform for city resilience in Africa (Uclip) by VITO and ACMAD</i>	ACMAD
30 min.	Panel Discussion on: Mainstreaming high resolution urban climate change information in urban development planning and action : Towards cities Determined Contributions and Adaptation plans	ACMAD
	Tentative Panelists: <ul style="list-style-type: none"> - AUC/DREA - AfDB - WMO - VITO - ACMAD - Global Centre on Adaptation (GCA) -UNDRR - CNEDD -Niger - African network of cities <ul style="list-style-type: none"> - Niamey city - Copernicus Climate Change Services 	ACMAD



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15 min.	Exchange with audience	ACMAD

8. References

Under the 11th European Development Fund with Africa Union Commission as Contracting Authority,
Belgium Development Cooperation
Visit:

<http://www.acmad.org>

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9- Logos of partners (**add other logos**)

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