



AGRHYMET CCR-AOS

3^{ème} EDITION



CONFÉRENCE
SCIENTIFIQUE
INTERNATIONALE
SUR LE CHANGEMENT
CLIMATIQUE •
NIAMEY (NIGER)

AGRHYMET RCC-WA

Regional Climate Center for West Africa and the Sahel

Third International Scientific Conference on Climate Change

From September 9 to 11, 2024 in Niamey, Niger Republic

Main Topic

**Extreme Climatic Events and Disaster Risk in West
Africa and the Sahel**

NOTE CONCEPTUELLE



Context

West Africa is well known as one of the regions most vulnerable to climate change. Even small variations in climatic factors can have disastrous consequences for food security, the safety of people and their property, and ecosystems. The agricultural, natural resources, health and energy sectors are particularly hard hit, as the risk of disasters increases.

In such a context, it is important to identify effective strategies for strengthening the resilience of the various socio-economic sectors. CILSS and its partners have always been committed to finding sustainable solutions to these challenges. The first climate conference was organized in 2007. Focusing on reducing the vulnerability of natural, economic and social systems in West Africa to climate change, this conference brought together scientists, decision-makers and practitioners, and made recommendations for the promotion of climate knowledge in the region.

The second conference, held in 2022, was in response to the constant call from countries, IGOs and CILSS partners to take stock of progress made in improving knowledge of climate and its impacts in the region. At the end of this second conference, a call, known as the "Niamey Call", recommended, among other things, that the organization of an international scientific conference on climate be institutionalized, under the aegis of the Regional Climate Center for West Africa and the Sahel (AGRHYMET RCC-WAS).

With this in mind, CILSS, through AGRHYMET RCC-WAS, is organizing the third International Scientific Conference on Climate, to be held in Niamey, Niger, from September 9 to 11, 2024. The main topic proposed for this 3rd conference is: "Extreme climatic events and disaster risks in West Africa and the Sahel".

The aim is to take stock of the effects of various extreme climatic phenomena, including floods, and to analyze future projections concerning them and their potential impact on the various socio-economic sectors of the West African and Sahelian region.

Objectives

The conference aims to share knowledge on extreme climate events, their implications for different socio-economic sectors, and mitigation and adaptation measures in West Africa and the Sahel.

More specifically, it aims to:

1. Take stock of achievements and needs in terms of research and warning on climate extremes (droughts, floods, heat waves, high winds, etc.);
2. Analyze the impacts of climate extremes on the various socio-economic sectors;
3. Identify the governance and decision-making implications for climate disaster management;
4. Propose strategic orientations to support governments in the management of climate risks and disasters.

The expected outcomes of the conference are as follows:

1. Achievements and needs in research and warning on climate extremes are identified;
2. The impacts of climate extremes on the various socio-economic sectors are analyzed;
3. The implications for governance and decision-making in climate disaster management are identified;
4. Guidelines for supporting project and program initiatives in the field of climate risk and disaster management are formulated

The topics for the Call for Papers

Papers should address climate extremes (droughts, floods, heat waves, high winds, etc.), their impacts on different socio-economic sectors (agriculture, natural resources, health, energy, transport, etc.), and the implications and achievements in terms of research, governance and decision-making. The main topics to be addressed revolve around the following themes:

1. **Tools and methods for characterizing climate extremes:** (data collection and analysis, modeling, etc.) ;
2. **Mapping the risks and analyzing the impacts of climate extremes:** understanding the risks and impacts on different sectors;
3. **Climate disaster management policies and strategies** (innovations, best practices in warning, response and recovery, governance, etc.);

Each theme will be introduced by a keynote presentation from a specialist in the field.



Organizing committee

The organizing committee will be made up of representatives from CILSS, ECOWAS, the EU, ACMAD, ICRISAT, IRD, UAM, ABN, EAMAC, WASCAL, the ministries in charge of disaster management, agriculture, the environment, water resources in Niger, DMN-Niger, INRAN, Niger Red Cross, OCHA, CCRS, CNEDD, and other partners.

Scientific committee

The Scientific Committee will be made up of leading scientists selected based on their achievements in the field of climate, its impacts and adaptation strategies. It will be responsible for quality assurance of scientific papers and validation of conference panel themes.



Read more : <http://conferenceclimat2024.cilss.int/>