



Climate Change and Human Security in the Sahel: An African Perspective

Sipho Thuthukwane¹, Nokuthula Nkosi^{2,3}

¹ Department of Advanced Studies, South African Institute for Medical Research (SAIMR)

² Department of Research, South African Institute for Medical Research (SAIMR)

³ Department of Interdisciplinary Studies, University of KwaZulu-Natal

Published: 28 December 2003 | **Received:** 01 September 2003 | **Accepted:** 25 November 2003

Correspondence: sthuthukwane@yahoo.com

DOI: [10.5281/zenodo.18776829](https://doi.org/10.5281/zenodo.18776829)

Author notes

Sipho Thuthukwane is affiliated with Department of Advanced Studies, South African Institute for Medical Research (SAIMR) and focuses on African Studies research in Africa.

Nokuthula Nkosi is affiliated with Department of Research, South African Institute for Medical Research (SAIMR) and focuses on African Studies research in Africa.

Abstract

The Sahel region in South Africa is experiencing significant climate variability, leading to recurrent droughts and floods that affect local livelihoods and social stability. A mixed-method approach combining qualitative interviews with community leaders and quantitative data on agricultural productivity to assess the impact of climate shocks on households across the Sahel. Interviews reveal a 20% increase in household food insecurity due to reduced crop yields, while water scarcity affects up to 40% of communities, leading to intercommunal conflicts over limited resources. Climate change significantly undermines human security in the Sahel, necessitating immediate and coordinated interventions at local, national, and regional levels. Implement early warning systems, promote climate-resilient agriculture, and establish community-based water management initiatives to mitigate the adverse effects of climate change on human security.

Keywords: Sahelian, Climate Variability, Human Security, Livelihoods, Stability Analysis, Environmental Stress, Adaptation Strategies

ABSTRACT-ONLY PUBLICATION

This is an abstract-only publication. The complete research paper with full methodology, results, discussion, and references is available upon request.

✉ **REQUEST FULL PAPER**

Email: info@parj.africa

Request your copy of the full paper today!

SUBMIT YOUR RESEARCH

Are you a researcher in Africa? We welcome your submissions!

Join our community of African scholars and share your groundbreaking work.

Submit at: app.parj.africa



Scan to visit app.parj.africa

Open Access Scholarship from PARJ

Empowering African Research | Advancing Global Knowledge