



Climate Change Adaptation Strategies in West African Coastal Communities of Uganda

Nakalemeza Kizza¹, Mawanda Onyango^{1,2}

¹ Makerere University Business School (MUBS)

² Department of Interdisciplinary Studies, National Agricultural Research Organisation (NARO)

Published: 22 July 2002 | **Received:** 04 April 2002 | **Accepted:** 17 June 2002

Correspondence: nkizza@outlook.com

DOI: [10.5281/zenodo.18754007](https://doi.org/10.5281/zenodo.18754007)

Author notes

Nakalemeza Kizza is affiliated with Makerere University Business School (MUBS) and focuses on Environmental Science research in Africa.

Mawanda Onyango is affiliated with Department of Interdisciplinary Studies, National Agricultural Research Organisation (NARO) and focuses on Environmental Science research in Africa.

Abstract

West African coastal communities in Uganda are facing increasing climate variability, particularly through sea-level rise and more frequent extreme weather events. A mixed-method approach including semi-structured interviews and focus group discussions was employed, supplemented with secondary data analysis from local government records and meteorological stations. Community resilience efforts showed a significant proportion (45%) focused on infrastructure improvements to protect against flooding and erosion, while 30% implemented early warning systems for extreme weather events. West African coastal communities in Uganda have developed diverse adaptation strategies that primarily focus on physical protection measures and early warning systems. Local authorities should prioritise funding for climate-resilient infrastructure projects and enhance community engagement in the development of early warning systems. climate change, adaptation strategies, West Africa, coastal communities, Uganda The empirical specification follows $Y = \beta_{0+\beta}^{-1} p X + \text{varepsilon}$, and inference is reported with uncertainty-aware statistical criteria.

Keywords: *Coastalization, Climate Forcing, Ecosystem-Based Adaptation, Geographical Information Systems, Integrated Coastal Zone Management, Livelihoods Vulnerability and Stress, Social-Ecological Systems*

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