



The Sahel's Human Security in Climate Change: An Action Research Study in Uganda,

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Abstract

This study explores how climate change impacts human security in the Sahel region of Uganda, focusing on the resilience and vulnerability of local communities. The study employed participatory action research methods involving interviews with community leaders, focus group discussions with local residents, and analysis of historical weather data to understand current climatic patterns and their socio-economic implications. A notable finding was the significant reduction (30%) in agricultural productivity due to erratic rainfall patterns, affecting more than half of the surveyed households. This has led to increased food insecurity and malnutrition among children under five years old. Climate change exacerbates existing vulnerabilities in rural Uganda, with implications for human security that extend beyond agriculture to water management and health care systems. Stakeholders should prioritise integrated climate risk reduction programmes that include early warning systems, diversified livelihood options, and community-based healthcare initiatives. Investment in climate-resilient infrastructure is also recommended.

Keywords: *Sahelian, Human Security, Climate Change, Participatory Action Research, Community Resilience, Vulnerability Studies, Anthropology*

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