



Climate Change and Human Security in the Sahel Region of South Africa: A Qualitative Assessment

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Abstract

The Sahel region of South Africa faces significant challenges due to climate variability and change, impacting human security dimensions such as food security, water availability, health, and livelihoods. Qualitative research methods were employed, including semi-structured interviews with local stakeholders, focus group discussions, and archival review to explore perceptions and practices related to climate change adaptation in the region. Communities reported a significant shift towards more drought-resistant crop varieties and diversified irrigation systems, reflecting an adaptive response to changing rainfall patterns. The findings highlight the importance of community-led initiatives for enhancing resilience to climate-induced shocks in the Sahel region. Policy makers should prioritise funding for local agricultural research institutions and support farmer training programmes focused on agro-ecological practices that promote ecological sustainability and food security.

Keywords: *Sahelian, geopolitics, resilience, sustainability, anthropology, ethnography, nomadism*

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