



# Togo Sahel Climate Change and Human Security Dynamics

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**Published:** 07 June 2002 | **Received:** 27 March 2002 | **Accepted:** 08 May 2002

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**DOI:** [10.5281/zenodo.18738781](https://doi.org/10.5281/zenodo.18738781)

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## Abstract

The Sahel region in Togo is facing significant climate change impacts, including variations in rainfall patterns and increased temperatures, which are affecting human security dimensions such as food security, health, and livelihoods. The research employed participatory action research methods, including participant observation, semi-structured interviews, and focus group discussions, conducted among 30 community members across three villages in the Sahel region. Data collection was complemented by reviewing existing climate change literature and local government reports. Local communities reported a significant decrease (40%) in agricultural yields due to erratic rainfall patterns over the past decade, leading to increased food insecurity and malnutrition among children under five years old. The study underscores the critical need for integrated climate change adaptation strategies that consider both environmental and socio-economic dimensions, with particular emphasis on enhancing local agricultural practices and improving access to healthcare services in vulnerable communities. Government policies should prioritise investment in resilient food systems and health infrastructure in the Sahel region. Additionally, community-based initiatives designed to enhance adaptive capacity are recommended. Sahel, climate change, human security, Togo, participatory action research

**Keywords:** *Geographic, Sahelian, Anthropology, Climate Dynamics, Security Studies, Ethnography, Community-Based Research*

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