



Climate Change and Human Security in the Sahel: A Mixed Methods Assessment in Ethiopia

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Abstract

The Sahel region in Ethiopia is experiencing significant climate variability, posing challenges to human security. A mixed methods approach combining both qualitative interviews with local communities and quantitative analysis of agricultural productivity data from farmers' cooperatives over two years. In-depth interviews revealed that climate variability led to crop yield decreases by up to 20% in some areas, impacting food security directly. Climate change exacerbates existing vulnerabilities among Sahelian communities, necessitating integrated policies addressing both environmental and socio-economic dimensions of human security. Development agencies should prioritise climate-resilient agricultural practices and support community-led adaptation initiatives to mitigate the adverse impacts of climate variability on human security. Climate Change, Human Security, Sahel, Ethiopia, Mixed Methods Study

Keywords: *Sahelian, Anthropology, Qualitative, Quantitative, Vulnerability, Security Studies, Sustainability*

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