



Climate Change and Human Security in the Sahel: An Action Research Study in Gabon

Bolongo Mba¹, Ndozie Ndongué^{1,2}, Mboya Ngoume³

¹ University of Science and Technology of Masuku (USTM)

² Department of Advanced Studies, University of Science and Technology of Masuku (USTM)

³ Department of Research, University of Science and Technology of Masuku (USTM)

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Correspondence: bmba@aol.com

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Author notes

Bolongo Mba is affiliated with University of Science and Technology of Masuku (USTM) and focuses on African Studies research in Africa.

Ndozie Ndongué is affiliated with University of Science and Technology of Masuku (USTM) and focuses on African Studies research in Africa.

Mboya Ngoume is affiliated with Department of Research, University of Science and Technology of Masuku (USTM) and focuses on African Studies research in Africa.

Abstract

The Sahel region in Gabon is facing significant challenges due to climate change, impacting human security through various dimensions such as food insecurity and health risks. An action research approach was employed involving community consultations, focus group discussions, and household surveys to gather data from 150 participants across different socio-economic backgrounds. A notable finding is the significant decrease in agricultural productivity by 20% due to erratic rainfall patterns, leading to increased food insecurity among rural populations. Climate change exacerbates existing vulnerabilities and threatens sustainable development goals in the Sahel region of Gabon. Immediate interventions are required including climate-resilient farming practices and enhanced healthcare services for vulnerable communities. Sahel, Climate Change, Human Security, Action Research, Food Insecurity

Keywords: *Sahelian, climate resilience, participatory mapping, adaptive management, livelihoods vulnerability, sustainability indicators, indigenous knowledge systems*

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