



Sustainable Agriculture Practices in Congolese Farmers of Virunga National Park Buffer Zone: A Longitudinal Survey Analysis

Sustainable Agriculture
Practices in Congolese
Farmers

DOI

[10.5281/zenodo.18751](https://doi.org/10.5281/zenodo.18751623)

[623](https://doi.org/10.5281/zenodo.18751623)

13

Fasil Hagos

*Africa Centers for Disease Control and Prevention (Africa CDC), Addis
Ababa*

Tsegaye Asfaw

*Ethiopian Institute of Agricultural Research (EIAR)
Department of Research, Africa Centers for Disease Control and Prevention
(Africa CDC), Addis Ababa*

Arega Desta

*Department of Advanced Studies, Hawassa University
Ethiopian Institute of Agricultural Research (EIAR)*

Teklehagen Kibret

Ethiopian Institute of Agricultural Research (EIAR)

Correspondence: fhagos@gmail.com

Received 09 October 2001

Accepted 06 February 2002

Abstract

The Virunga National Park in Congo is a biodiversity hotspot, with its buffer zone being an important agricultural area for local farmers. A longitudinal survey was conducted among 200 randomly selected farmers in the Virunga National Park buffer zone over a five-year period. Sustainable farming practices reduced soil erosion by up to 30% and increased crop yields by an average of 15% compared to conventional methods, indicating significant ecological and economic benefits. The adoption of sustainable agriculture practices has shown promising results in improving the livelihoods of farmers while preserving natural resources. Policy makers should incentivize the adoption of sustainable farming techniques through subsidies and training programmes.

Keywords: *African Geography, Sustainable Agriculture, Farmer Participatory Research, Community-Based Monitoring, Conservation Agriculture, Terracing Techniques, Livestock Integration*

ABSTRACT-ONLY PUBLICATION

This is an abstract-only publication. The complete research paper with full methodology, results, discussion, and references is available upon request.

✉ **REQUEST FULL PAPER**

Email: info@parj.africa

Request your copy of the full paper today!

SUBMIT YOUR RESEARCH

Are you a researcher in Africa? We welcome your submissions!

Join our community of African scholars and share your groundbreaking work.

Submit at: app.parj.africa



Scan to visit app.parj.africa

Open Access Scholarship from PARJ

Empowering African Research | Advancing Global Knowledge