







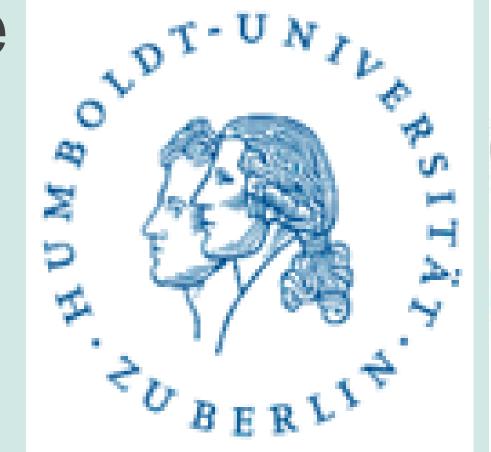


# Smallholder Farmers' Contribution Toward Forest Landscape Restoration: Evidence From Tchamba District, Togo

Hamza Moluh Njoya<sup>1,2\*</sup>, Kossi HounKpati <sup>1,3</sup>, Adjonou Kossi<sup>3</sup>, Kouami Kokou<sup>3</sup>, Stefan Sieber<sup>1,2</sup> Katharina Löhr<sup>1,2</sup>

<sup>1</sup>Leibniz Centre for Agricultural Landscape Research (ZALF), 15374 Müncheberg, Germany <sup>2</sup>Humboldt Universität zu Berlin, 10099 Berlin, Germany

<sup>3</sup>University of Lomé, Forestry Research Laboratory, Climate Change Research Centre (CRCC)





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#### Introduction

- Natural resources face increasing pressure due to population growth, urbanization, and unsustainable consumption.
- Globally, about 30% of potential forests have been destroyed, and 20% are degraded.
- Sub-Saharan African countries, including Togo, have committed to restoring over
   100 million hectares of degraded land by 2030.
- Togo has pledged to restore 1.4 million hectares of forest landscape, prioritizing sustainable land management practices
- However, the contribution of smallholder Togolese farmers to forest landscape restoration (FLR) efforts is not well understood.



## Objective

• This study evaluates the restoration efforts of smallholder rural farmers in central Togo at both the individual and communal levels.

#### Methodology

- Tchamba prefecture, Central region of Togo.
- Data Collection: 313 household surveys and 8 focus group discussions in Tchamba Prefecture, 2023.
- Analytical Tools: Descriptive Statistics, Multivariate Tobit regression and Poisson models were used to analyze the data.

#### Results

#### **Extent of Farmland Restoration Across Space**

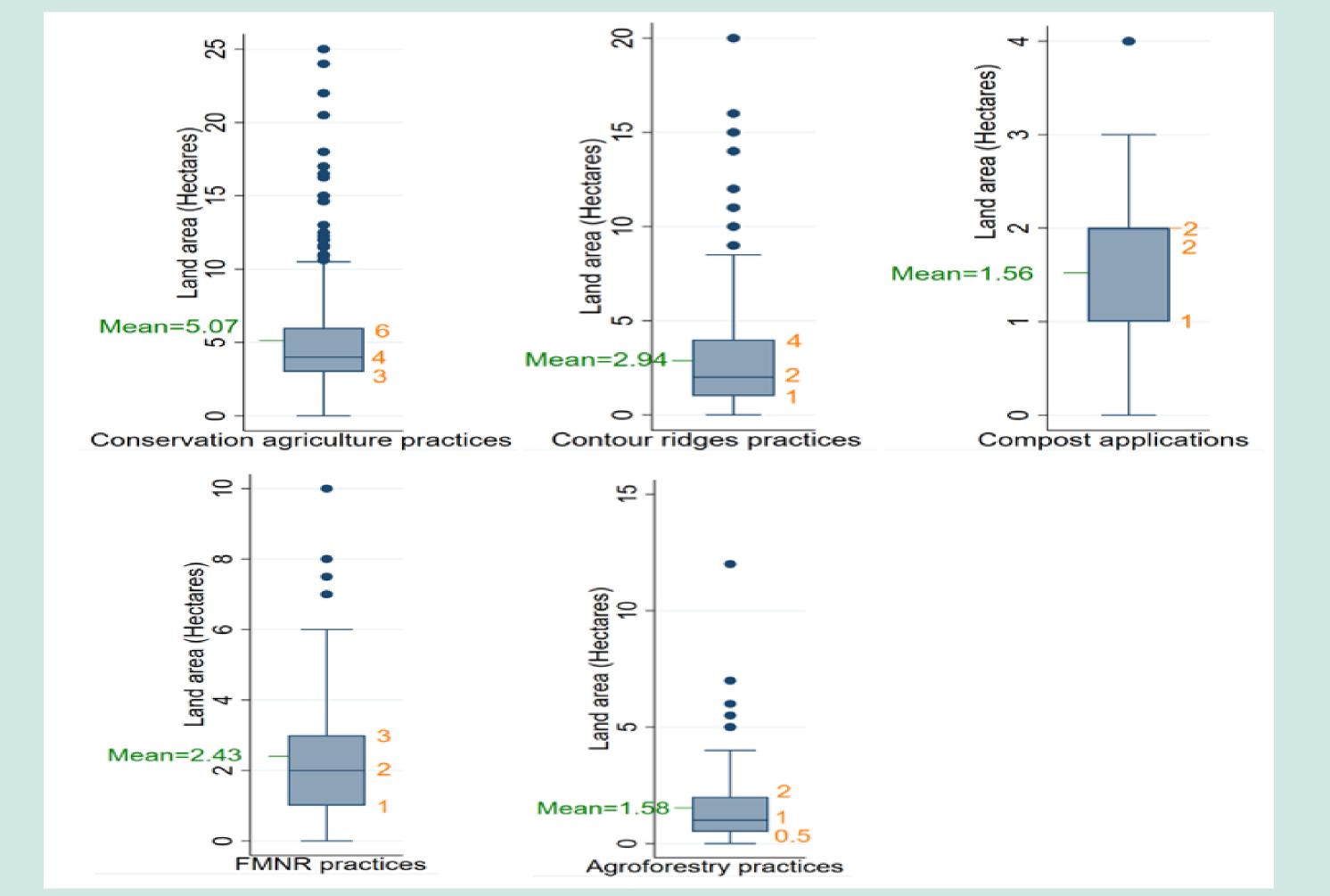


Figure 1: Distribution of Land-Plot Restoration Extent at the Farm-Household Level in Tchamba Prefecture

# **Table 1**:Correlations between the different restoration practices used on plots in Tchamba prefecture

	Conservation Agriculture	Contour farming	_	Compost application	FMNR	Agroforestr v
Conservation Agriculture	1	0.3827***		0.1251**	0.1282**	0.0435***
Ridges farming	0.3827***	1		0.0947*	0.1078**	-0.0131
Compost application	0.1251**	0.0947*		1	0.1259	0.0660
FMNR	0.1282**	0.1078*		0.1259	1	0.1424**
Agroforestry	0.0435***	-0.0131		0.0660	0.1424**	1

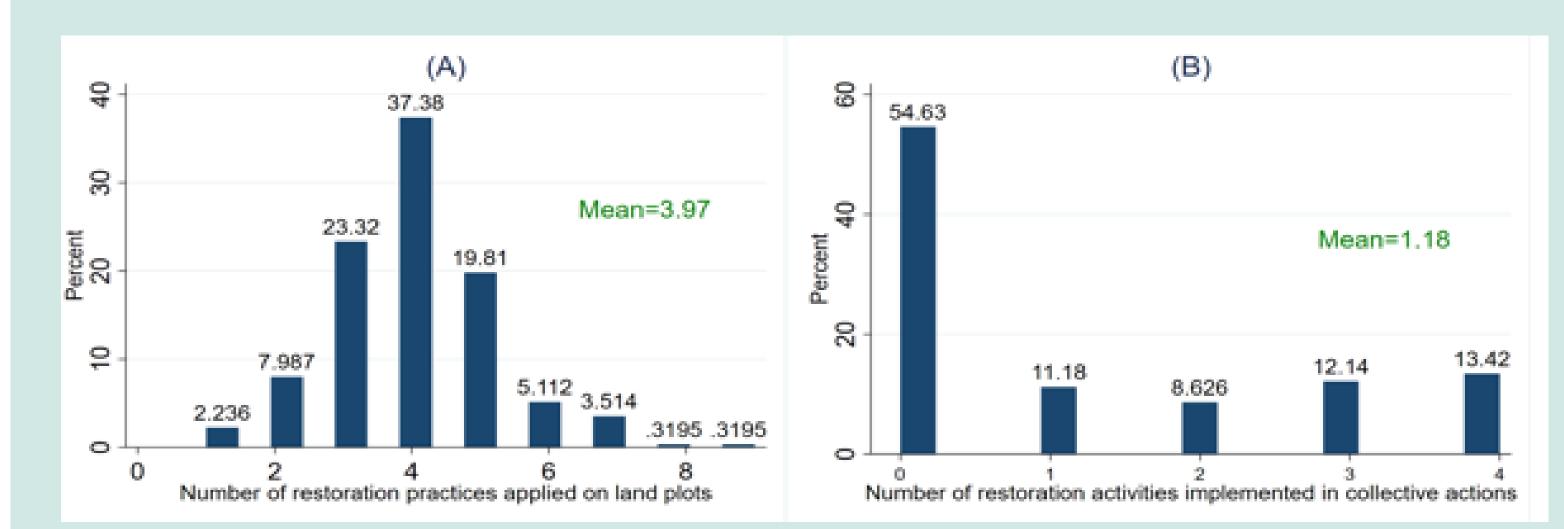


Figure 2: Number of restoration practices on individual plots (A) and communal activities (B).

- On average, households restored 2.11 hectares, representing 36.19% of their total landholdings.
- On average, farmers applied FMNR and agroforestry practices on at least one hectare of land.
- while Conservation agriculture and ridges farming were implemented on over 2 hectares, covering  $5.07 \pm 3.66$  hectares and  $2.94 \pm 2.92$  hectares, respectively, in the study area.
- Farmers typically implement 2–4 restoration practices in various combinations with an average number of restoration practices around 3-4 on individual land plots.

## Factors influencing restoration efforts

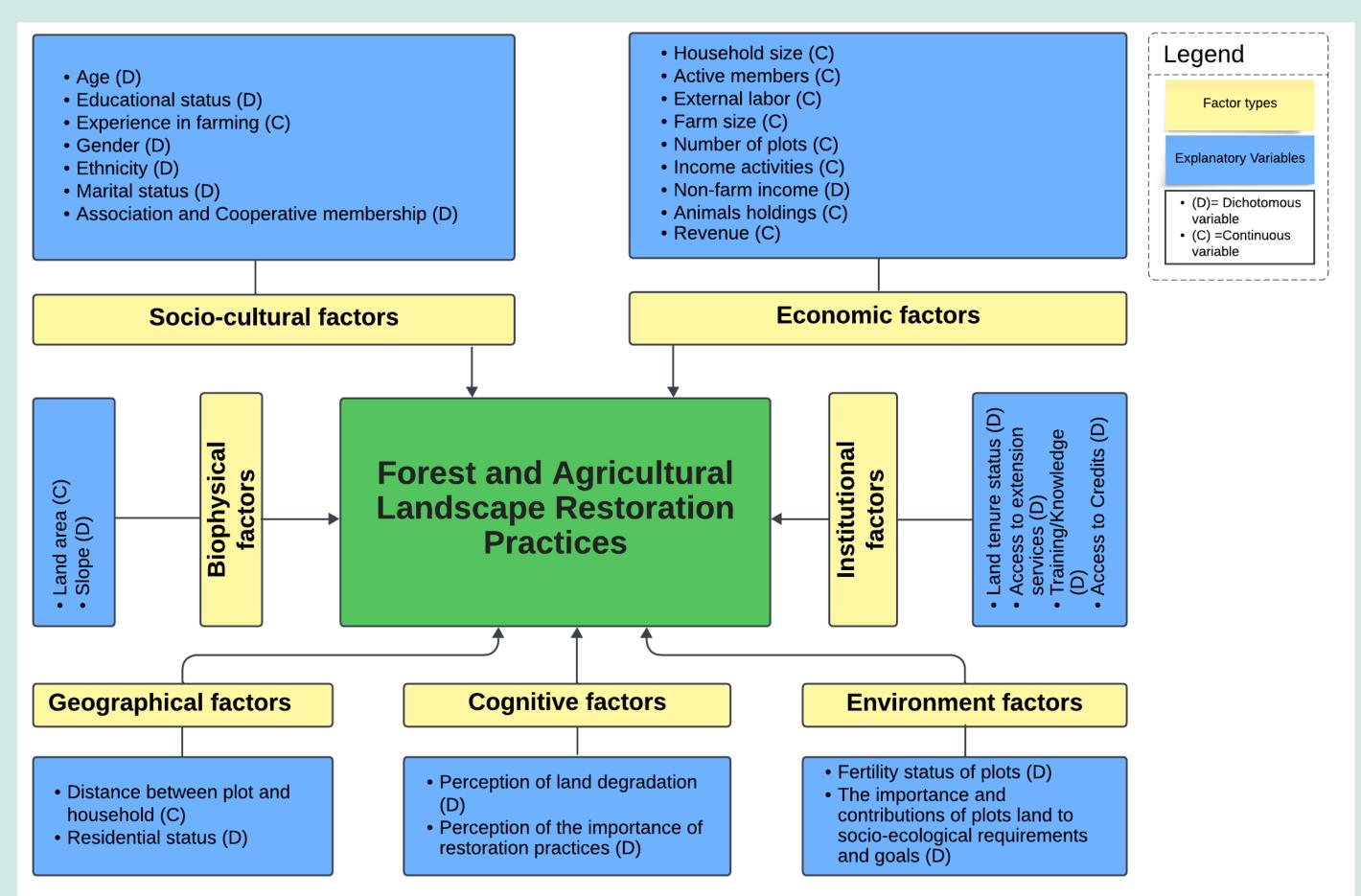


Figure 3: Conceptual framework (own illustration)

# **Policy implication**

- Restoration policies should prioritize land ownership security, and incorporate genderresponsive approaches.
- Insights from this study can guide future restoration initiatives, ensuring community participation and effective management

#### Conclusion

 Smallholder farmers are essential contributors to FLR in Togo. Their restoration practices and the factors influencing these efforts provide valuable lessons for achieving sustainable land management and restoration goals.













