



**2nd Biennial Africa
Climate-Smart Agriculture Stakeholder Conference**

**Thematic Paper Presentation on
Compatibility assessment of
agroecology and CSA practices**

14th September 2022



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ANALYSIS OF AGROFORESTRY PRACTICES AMONG SMALL-SCALE FARMERS IN SOUTHERN GUINEA SAVANNAH ZONE OF NIGERIA

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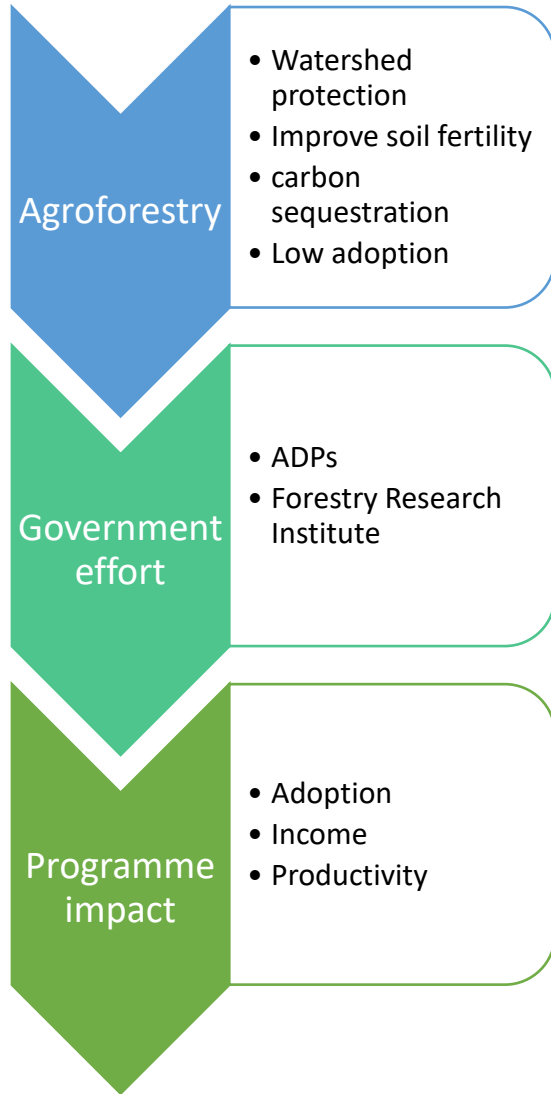


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Background



- Agroforestry is identified as being a climate-smart land management practice
- There has been low adoption of these practices
- Efforts were made by the government to effectively disseminate the practice to smallholder farmers
- Hence it is pertinent to assess the effect of the practices

Methodology

- a) Study area: Niger, Kogi and Kwara States, Nigeria
- b) Four stage sampling procedure
- c) A total of three hundred and fifteen (315) households was used for the study
- d) Tool of analysis:
 - Determinants of choice of agroforestry practice (Multinomial Logistic Regression, MNL)
 - Profitability (gross Margin)
 - Land productivity (treatment effect model)



Key findings

- ✓ The commonest agroforestry practice undertaken by the farmers was the scattered trees on farm
- ✓ Choice of agroforestry were influenced by age, land tenure, membership, labour availability and access to planting materials
- ✓ The mean return on investment of adopters (2.07) was significantly higher than those who did not (1.34)
- ✓ Adoption increased the land productivity by 6580.74 grain equivalent



Key Recommendations & Conclusion

- Increased dissemination/outreach programmes
- Access to improved planting materials could encourage increased adoption of the practices among the farmers



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Thank you



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