



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

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

14th September 2022



**Funded by
the European Union**

Assessment of stakeholders' satisfaction for sustainable ecological agricultural practices that promote climate smart agriculture in Northeastern Nigeria

Taofeeq Oyedeji Yekinni and Temitope Adejoju Ladigbolu
University of Ibadan, Ibadan Nigeria



A paper presented at the Biennial Africa CSA Stakeholders Conference, 14th September 2022



Funded by



European Commission

Background

- Sustainable Ecological Organic Agricultural (EOA) practices are essential to fulfilment of environment concerns that climate change poses e.g.
- Stakeholders' satisfaction in ecological agriculture value chain has potentials to raise opportunities and remove barriers to sustainable agricultural practices.
- It is against this backdrop that the study was conducted to analyse stakeholders' satisfaction for sustainable EOA practices that promote climate smart agriculture.



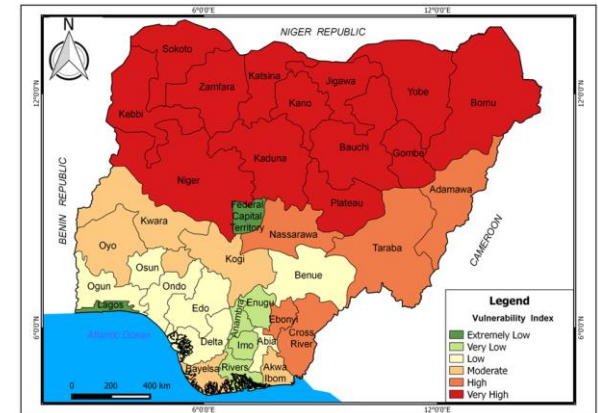
Erosion



Drought

Methodology

- Study area was Northeastern Nigeria.
- Multi-stage sampling procedure was used to select 120 respondents.
- Data were collected on personal characteristics, satisfaction with issues related to value chain, extent of involvement and perceived benefits from EOA practices.
- Data were analysed using frequency counts, percentages, weighted score, and PPMC (Pearson's Product-Moment Correlation).



Patterns of climate change vulnerability in Nigeria

Key findings

- Results showed that majority (59.2%) of stakeholders were male, married (64.2%) and had high (68.3%) level of involvement in EOA practices.
- Majority (90.0%) benefited from enhanced farm biodiversity, 70.8% had high level of benefits from EOA practices, ranking of organic land tenure system (329.9) shows satisfaction and 58.3% had high level of satisfaction.
- Significant relationship existed between stakeholders' involvement in EOA practices and satisfaction with issues related to value chain of organic fruits, vegetables and spices ($r= 0.223$, $p =0.01$),



Key Recommendations & Conclusion

- Stakeholders benefited from climate smart elements such enhanced farm biodiversity, had reduction in exposure to pesticides/harmful chemicals, and had greater net returns.
- They are highly involved and satisfied with issues related to the value chain of organic fruits, vegetables and spices.
- It is therefore recommended that ecological organic agricultural practices should be encouraged to achieve climate smart agricultural promotion.
- Stakeholders' involvement and satisfaction in EOA practices should be consciously pursued and entrenched for the symbiotic relationship.

**THANK YOU FOR
YOUR ATTENTION**



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

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

Thank you



DeSIRA-LIFT Leveraging the DeSIRA Initiative for agri-food systems
transformation desiralift.org | info@desiralift.org