



# EFFECT OF INFORMATION SOURCES ON THE ADOPTION **OF ADAPTATION STRATEGIES FOR CLIMATE CHANGE**

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## INTRODUCTION

Climate change has an impact on productivity in Sub-Saharan Africa because ••• most farmers lack access to relevant resources and information that can help mitigate the negative effects of the changing environment.

Variables	Intercropping	Irrigation	CIC Liv	/estock	Organic
			rea	aring	fertilizer
Socio-economi	cs characteristics	of farmers			
Age	-0.368	0.225	0.006	-0.923	0.286
	(0.340)	(0.140)	(0.162)	(0.163)	(0.184)
Household size	0.022	-0.070	-0.531	-0.278	-0.116*
	(0.097)	(0.047)	(0.579)	(0.060)	(0.691)
Farm size	0.199	0.073	0003	0.095	-0.006
(hectare)	(0.145)	(0.105)	(0.012)	(0.067)	(0.637)
Years of farming	-0.039	0.025	-0.092	-0.016	0.009
experience	(0.029)	(0.011)	(0.108)	(0.012)	(0.129)
Educational level	0.075	-0.296***	-0.003	0.133	0.064
	(0.188)	(0.918)	(0.012)	(0.112)	(0.111)
Information sou	irces affecting ad	loption of ad	laptation s	trategies	to climate change
Extension agent	2.658 ***	0.626**	2.960***	2.185***	0.633
	(0.837)	(0.425)	(0.691)	(0.543)	(0.466)
Ministry of	1.141	0.661*	-0.717	0.740**	1.261
Agriculture	(1.039)	(0.408)	(0.691)	(0.610)	(0.596)
ADP	0.444	1.174**	-0.560	0.025*	1.690**
	(1.156)	(0.522)	(0.694)	(0.699)	(0.688)
Farmers	3.001**	0.281	-1.770***	-0.124	0.395
association	(1.284)	(0.398)	(0.614)	(0.599)	(0.433)
Mass media	-1.346	-0.609	-0.219	-0.429	-0.202
	(1.061)	(0.394)	(0.631)	(0.610)	(0.415)
Family and	0.647	1.994	0.532	0.213	-0.046
friends	(0.766)	(0.354)	(0.505)	(0.494)	(0.416)
Ministry of	-1.043	0.243	1.160*	0.138	1.745***
environment	(1.202)	(0.345)	(0.394)	(0.395)	(0.364)
Constant	1.094	0.679	-0.018	-0.087	-1.741
	(1.340)	(0.712)	(0.835)	(0.827)	(0.906)
Pseudo R <sup>2</sup>	0.609	0.133	0.320	0.229	0.492

- To successfully cope with the adverse effects of climate change, farmers must adapt different adaptation and mitigation strategies.
- Hence, information on the best practices regarding effectiveness, sustainability, affordability, and ease of implementation needs to be made available to the farmers.

### **OBJECTIVE**

✤ This study aims to examine the effects of information sources on adopting climate change adaptation strategies.



\*\*\* 1% level of significance; \*\*5% level of significance; \*10% level of significance; Standard Error are reported in parentheses; CIC= Cultivation of improve cultivars; ADP= Agricultural Development Program

Table 1: Factors influencing adoption of adaptation strategies to climate change

#### **DISCUSSION & CONCLUSION**

The study revealed that:

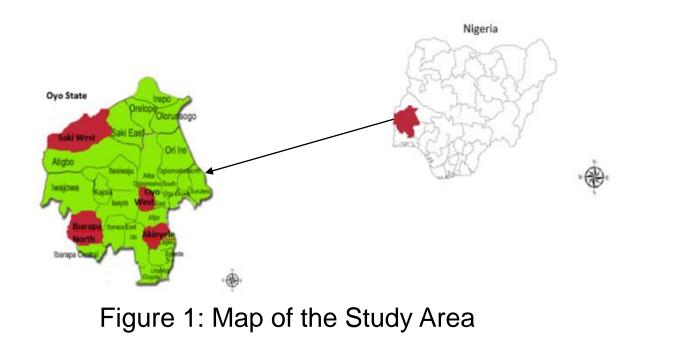
# **METHODS**

#### **Study Area**

•The research was carried out in agricultural development zones (ADPs) in Oyo

State, Nigeria, which has an agrarian economy.

•The state has a population of 7.8 million people and a land area of 26500kmsq. It has a tropical savanna with a rocky topography.



#### **Data Collection** •Sampling Technique: Multi-stage random sampling

- The majority of farmers (94.4%) believe that climate change is affecting their production.
- 89.8% of the farmers agree that adopting adaptation strategies for climate change will help increase their productivity and profitability.
- All information sources are important and have a positive impact on the likelihood of farming households adopting at least one adaptation strategy.
- The most influential information source was information obtained from

extension agents, which positively influenced the likelihood of adopting four adaptation strategies (namely adoption of intercropping, irrigation, cultivation of improved cultivars, and livestock rearing)

# RECOMMENDATIONS

Based on the findings of this research, we at this moment recommend that:

• Training and funding should be made available for extension agents to improve their services.

•Sampling Tool: 197 semi-structured questionnaires



Figure 2: Respondents Selection Process

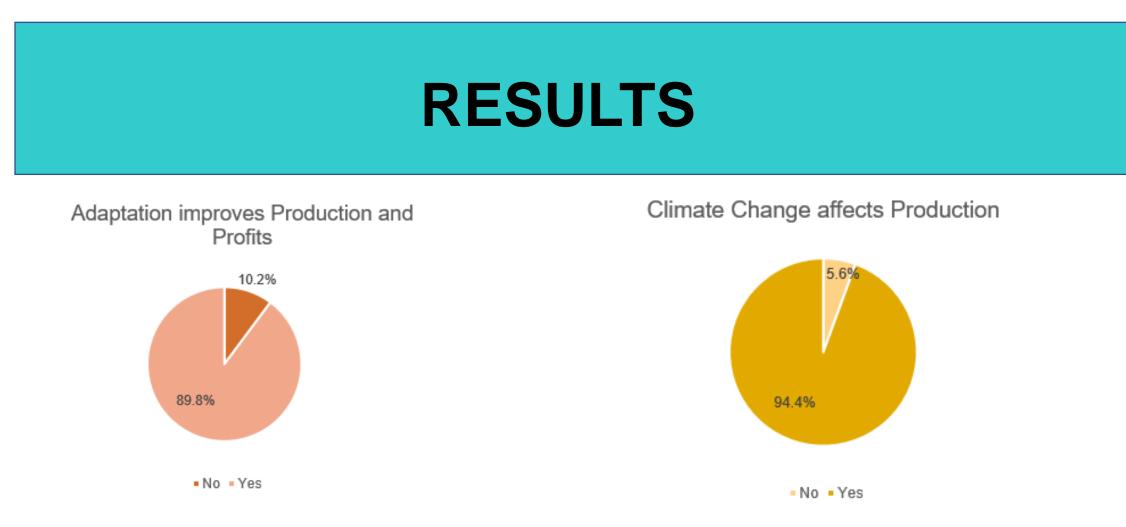


Figure 3: Perception of Farmers on Adaptation Strategies and Climate Change

- Mass media communication channels (such as radio and television) should be better developed and vast enough to provide adequate and timely information to the farmers.
- Relevant training workshops can be organized for farmers to help present and educate them with the needed information needed to help mitigate the effects of climate change.

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