



# Theoretical Foundations for Adopting Climate-Smart Agriculture Among Smallholder Farmers in Northern Ethiopia: A Longitudinal Perspective

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## Abstract

Climate-smart agriculture (CSA) is a set of practices designed to enhance agricultural productivity while reducing environmental impacts and increasing resilience to climate change. Qualitative research methods will be employed to understand farmer perceptions, behaviors, and decision-making processes regarding CSA practices. Understanding these foundational elements is crucial for designing effective policy interventions aimed at promoting CSA adoption among smallholder farmers. Policy makers should prioritise initiatives that improve educational outreach and enhance farmer networks to facilitate CSA practice adoption.

**Keywords:** *Ethiopia, Gezira, CSA, Sustainability, Livelihoods, Empowerment, Participatory*

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