



Climate Shocks and Supply Chain Resilience in Egyptian Agriculture: A Qualitative Study

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Abstract

Climate change poses significant challenges to agricultural productivity in Egypt, particularly affecting supply chains through unpredictable weather patterns. A qualitative study employing semi-structured interviews with 30 smallholder farmers and case studies of five major agribusinesses across Egypt's main growing regions. Farmers reported an average of 25% reduction in crop yields due to climate shocks, necessitating immediate adaptation strategies such as diversifying crops and investing in irrigation systems. Egyptian farmers face substantial challenges from climate shocks but demonstrate adaptive behaviors that can inform broader resilience policies for agriculture. Investment in climate-resilient agricultural technologies combined with insurance schemes could significantly enhance supply chain stability.

Keywords: *Africanization, Dependency Theory, Gramsci, Institutional Logics, Qualitative Methodology, Reflexivity, Sustainability*

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