



# Ten-Year Community-led Soil Conservation Initiatives in Ethiopian Highlands: A Longitudinal Study

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## Abstract

Soil conservation initiatives have become crucial for sustaining agricultural productivity in the Ethiopian Highlands, where soil erosion is a significant challenge. The research employed a mixed-methods approach combining qualitative interviews and quantitative surveys among local farmers and project managers. A notable proportion (70%) of participants reported improved crop yields, with significant differences observed between the intervention areas and control regions. Community-led initiatives have shown promising results in enhancing soil health and agricultural productivity over a decade. Further research should consider scaling up successful interventions and exploring more sustainable financing models to sustain long-term benefits. Soil Conservation, Community Initiatives, Agricultural Productivity, Ethiopian Highlands

**Keywords:** Ethiopia, Highlands, Conservation, Community, Participatory, Geographical Information Systems, Spatial Analysis

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