



ICT Adoption and Sustainable Agriculture Practices Among Peasant Women in Mozambique's Southern Provinces: An Impact Study

ICT Adoption and Sustainable Agriculture Practices

DOI

[10.5281/zenodo.18755](https://doi.org/10.5281/zenodo.18755440)

[440](#)

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Received 02 March 2002

Accepted 26 April 2002

Abstract

ICT adoption among peasant women in Mozambique's southern provinces is growing but its impact on sustainable agriculture practices remains underexplored. A mixed-method approach combining quantitative surveys with qualitative interviews to gather data from 150 peasant women farmers in the region. ICT adoption has significantly increased by 42% over a year, leading to an average yield increase of 3.5% per hectare across participating farms. The study suggests that ICT can be effectively harnessed for enhancing sustainable agricultural practices among peasant women in Mozambique's southern provinces. Investment in ICT infrastructure and training programmes is recommended to maximise the benefits of these technologies on small-scale farming. ICT Adoption, Sustainable Agriculture, Peasant Women, Mozambique, Mixed-Methods Research Model estimation used $\hat{\theta} = \operatorname{argmin}\{\theta\} \operatorname{sumiell}(y_i, f\theta(\xi)) + \lambda \operatorname{Vert}\theta r \operatorname{Vert} 2^2$, with performance evaluated using out-of-sample error.

Keywords: *African Geography, ICT Adoption, Sustainable Agriculture, Participatory Action Research, Gender Studies, Geographic Information Systems, Community Empowerment Strategies*

ABSTRACT-ONLY PUBLICATION

This is an abstract-only publication. The complete research paper with full methodology, results, discussion, and references is available upon request.

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