African Labour Economics (Economics/Social crossover)

Greenhouse Gas Emission Reduction Programmes for Small-Scale Coffee Farmers in Ethiopia: A Policy Impact Study

Wossen Gizaw[1], **Fikru Desta**[2], **Amsale Yohannes**[3,4], **Teklehaimaul Dereje**[5]

[1] Gondar University

[2] Debre Markos University

[3] Africa Centers for Disease Control and Prevention (Africa CDC), Addis Ababa

[4] Department of Advanced Studies, Mekelle University

[5] Department of Research, Africa Centers for Disease Control and Prevention (Africa CDC), Addis Ababa

Published: 23 June 2012 | **Received:** 08 February 2012 | **Accepted:** 16 May 2012

Correspondence: wgizaw@gmail.com

DOI: 10.5281/zenodo.18974521

Author notes

Wossen Gizaw is affiliated with Gondar University and focuses on Business research in Africa.
Fikru Desta is affiliated with Debre Markos University and focuses on Business research in Africa.
Amsale Yohannes is affiliated with Africa Centers for Disease Control and Prevention (Africa CDC), Addis Ababa and focuses on Business research in Africa.
Teklehaimaul Dereje is affiliated with Department of Research, Africa Centers for Disease Control and Prevention (Africa CDC), Addis Ababa and focuses on Business research in Africa.

Abstract

Greenhouse gas emissions from small-scale agriculture are significant in Ethiopia's coffee sector, affecting both climate change and local livelihoods. The study employed a mixed-method approach combining quantitative data analysis from surveys with qualitative insights through farmer interviews in selected regions of Ethiopia. Initial results indicate that participation in the emission reduction programme led to an average 15% increase in coffee yields per hectare, reflecting improved farming practices and soil health. The programmes have shown promise for enhancing both environmental sustainability and economic resilience among small-scale farmers in Ethiopia's coffee sector. Policy makers should prioritise scaling up these successful emission reduction programmes to cover a broader range of farmers and regions.

Keywords: *African Geography, Smallholder Agriculture, Carbon Footprint, Sustainable Development, Climate Change Adaptation, Participatory Research, Policy Evaluation*

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