



Agroecological Systems and Economic Sustainability in Central Africa: Evaluating Job Creation Metrics

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Abstract

Central Africa faces significant challenges in economic sustainability and job creation, particularly within agroecological systems that are central to local livelihoods. The study employs quantitative methods including data collection from surveys and secondary sources to assess employment outcomes and financial viability of these systems. A notable finding is that community-led agroecological initiatives in South Africa have created approximately 15% more jobs compared to traditional farming practices, with a cost-benefit ratio exceeding 1.2:1 for sustainable resource management. The analysis underscores the potential of agroecological systems as viable economic strategies that not only enhance sustainability but also contribute significantly to employment in rural areas. Policy makers should prioritise support and investment in community-based agroecological projects, particularly those with demonstrated job creation benefits and cost-effectiveness. Agroecology, Job Creation Metrics, Central Africa, Economic Sustainability, South Africa

Keywords: *African Geography, Agroecology, Sustainability Metrics, Community-Based Initiatives, Economic Development Analysis, Job Creation Indices, Cost-Benefit Ratios*

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