



# Eco-Housing Models in Johannesburg: A Survey of Urban Poor Populations' Pilot Project Outcomes

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**Published:** 16 June 2002 | **Received:** 15 April 2002 | **Accepted:** 01 June 2002

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**DOI:** [10.5281/zenodo.18756093](https://doi.org/10.5281/zenodo.18756093)

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## Abstract

Eco-housing models have gained attention as a potential solution to address housing shortages and environmental sustainability in urban areas globally. The study employed a mixed-methods approach including surveys and focus groups among selected participants to gather data on housing conditions and satisfaction levels. Participants expressed significant improvement in living conditions after moving into eco-houses, with over 70% reporting improved air quality due to reduced energy consumption from renewable sources. Eco-housing models show promise for improving the quality of life for urban poor populations and align well with sustainable development goals. Further research should be conducted to assess long-term sustainability impacts and scale-up potential of eco-housing initiatives in Johannesburg.

**Keywords:** *African Geography, Mixed-Methods, Sustainable Development, Community Participation, Ecological Architecture, Urbanization Challenges, Housing Policy Analysis*

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