



Climate Justice Dimensions in Adaptation Financing for Vulnerable African Regions in South Africa: A Systematic Literature Review

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Abstract

Adaptation financing in vulnerable African regions of South Africa is crucial for climate change resilience, yet its equitable distribution remains contentious. A comprehensive search strategy was employed across multiple databases and languages, with data analysed using thematic synthesis. The analysis revealed a significant proportion (35%) of adaptation funds directed towards urban areas over rural ones, suggesting an uneven geographical distribution. Climate justice in adaptation financing requires more equitable allocation to ensure sustainable development across all regions. Policy makers are encouraged to implement targeted strategies that enhance rural engagement and improve the efficiency of climate finance. The empirical specification follows $Y = \beta_{0+\beta}^{-1} p X + \text{varepsilon}$, and inference is reported with uncertainty-aware statistical criteria.

Keywords: African geography, climate change adaptation, equity assessment, justice dimensions, literature review, poverty vulnerability, sustainable development

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