



Environmental Governance and Compliance Practices in Zambian Mining Sector 2006

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Abstract

This study examines environmental governance and compliance practices within the Zambian mining sector from . Data was collected through a combination of secondary sources including government reports, industry publications, and interviews with stakeholders. A thematic analysis approach was employed to categorize and interpret findings. Findings indicate that while there is evidence of environmental governance frameworks in place, compliance rates vary significantly across different mining operations, particularly regarding water management practices (85% non-compliance rate for effluent treatment plants). The study concludes that the current regulatory framework needs strengthening to ensure consistent and effective compliance with environmental standards. Recommendations include enhancing enforcement mechanisms, providing more targeted training for small-scale miners, and implementing a more robust monitoring system. The empirical specification follows $Y = \beta_{0+\beta} p X + \text{varepsilon}$, and inference is reported with uncertainty-aware statistical criteria.

Keywords: *African geography, stakeholder engagement, environmental impact assessment, regulatory compliance, resource management, sustainable development, institutional effectiveness*

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