



FIG WORKING WEEK 2023

28 May - 1 June 2023 Orlando Florida USA

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Climate Change Vulnerability in the Peri-Urban Areas of the Rural Regions of Namibia

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Climate change vulnerability in the peri-urban areas of rural regions of Namibia

INTRODUCTION

- Urban peripheral has become an emerging theme in urban discourse
- Peri-urban areas are zones of transitions from rural to urban land (McConville, 2014), serving as an interface.
- However, due to their nature, the majority of these areas are not directed to catering for national planning priorities. This has led to the victims being negatively impacted from climate change
- This was evident from the recent floods in northern Namibia,
- Therefore the study will provides an overview of the climate change vulnerability in the peri-urban areas and how these areas can be made more resilient from the adverse effects of climate change.

Climate change vulnerability in the peri-urban areas

- In Namibia, peri-urban areas are predominantly located on the communal land
- Communal land covers 39% of the land space
- Peri-urban areas are growing at an unprecedented pace
- **Case study:** Omuthiya Town
- Because of a lack of clear policies on peri urban areas, these areas tend to grow: Uncontrolled with a lack with a lack of statutory plans, proper land-use planning and building by-laws, and institutional monitoring systems.
- Weak governance
- Challenges have been worsened by climate change

Climate change vulnerability in the peri-urban areas



Experience of climate change vulnerabilities in Northern Namibia

- Northern areas have predominantly been affected by floods
- Lack of governance systems
- Population growth
- Tenure insecurity
- Socially excluded
- Perceptions of tenure

Measures for peri-urban resilience in Northern Namibia

- **Land Governance**
 - National instrument for land-use planning and land tenure
 - Community involvement
 - Resilient land regulation strategies (i.e. environmental preservation, social equity, and cultural preservation)
- **Environmental Regulatory Practices**
 - Resolution of land-related disputes
 - Policy Reform
 - Collaboration with formal and informal institutions
 - Systematic planning and capacity building

Conclusion

In summary, addressing the complexity and difficulties involved in the regularization and formalization of land, these actions hope to increase community resilience and advance sustainable development. These approaches illustrate the necessity for a comprehensive and flexible approach to regulation in peri-urban informal settlements, understanding the details and motivations driving their existence. Resilient practices attempt to solve obstacles and impediments while encouraging sustainability, social cohesion, and environmental awareness. Through implementing these resilient measures into peri-urban regulatory processes, policymakers and stakeholders can work to improve sustainability, living conditions, and the resilience of these settlements



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