Integrating Quality Assurance Systems in Natural Disaster Management a Key in Achieving Sustainable Development Goals: Case Study of Zimbabwe 2019 Chimanimani Floods

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SUMMARY

Globally floods are among the most frequent and leading costly natural disasters. The flood disasters are not economically restricted but affect both poor nations as well as developed countries. In this presentation, I explore how the integration of quality assurance frameworks into natural disaster management practices could be of great benefit in managing natural disasters specifically focusing on Zimbabwe 2019 Chimanimani floods. I argue on how effective Quality assurance systems can be integrated within the framework of natural disaster management leading towards attaining the Sustainable Development Goals through improved disaster preparedness, response and recovery practices. Through a study of Zimbabwe's historical and current disaster management practices, I explore how the nation faces several challenges through resource limitations and coordination issues. I delve into the principles and standards of quality assurance, the evolution of quality assurance practices and their role in mitigating the impacts of disasters. I discussed how Quality assurance systems can facilitate the development of standardized protocols and procedures that enable swift and coordinated flood disaster responses. Lessons learned from Zimbabwe's Chimanimani floods reveal how robust quality assurance practices can improve preparedness, response strategies, and resource optimization, ultimately leading to reduced vulnerabilities and increased resilience in affected communities. The case study demonstrates how Quality Assurance Systems integration in disaster management directly contributes towards SDG 11: Sustainable Cities and Communities, and SDG 13: Climate Action. Through this study I provided insights into best practices and actionable recommendations aimed at fostering a culture of quality in disaster management. These recommendations can serve as a standard model for other regions facing similar natural disaster challenges hence moving towards attaining the Sustainable Development Goals

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