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Nota di contenuto	Chapter 1. Contextualising the increasing risk of floods and tornadoes -- Chapter 2. Satellite-based approaches in the detection and monitoring of selected hydro-meteorological disasters -- Chapter 3. ICT readiness for flood risk reduction and management: Lessons from Eastern Cape Province's Port St Johns municipality, South Africa -- Chapter 4. A reflection of hydrological and other emerging perspectives of Lake Kariba's Operation Noah -- Chapter 5. Victoria Falls water flow regimes: A tale of two half-centuries -- Chapter 6. Partnerships in mitigating the impacts of floods in South Africa -- Chapter 7. Hotel management under increasing and more intense floods: A focus on The Centurion Hotel, South Africa -- Chapter 8. Rethinking harbours, beaches and urban estuaries waste management under climate-induced floods in South Africa -- Chapter 9. The need for effective storm water management to build flood resilient communities: A case of Port St Johns, South Africa -- Chapter 10. Impacts of cyclones Idai and Kenneth and the 2019 floods on the insurance sector in South Africa and Mozambique -- Chapter 11. Exploring the migration effects of cyclones and floods in Southern Africa: A focus on 2019 floods and cyclones Idai and Kenneth -- Chapter 12. Impact of floods on access to drinking water: A focus on 2019 floods in Magalasi Village in Chikwawa District, Malawi -- Chapter 13. Vulnerability of settlements to floods in

South Africa: A focus on Port St Johns -- Chapter 14. Impacts of floods on livestock production in Port St Johns, South Africa -- Chapter 15. Characterisation and Analysis of Emerging Localised Severe Storms in Malawi: How Common are Tornadoes? -- Chapter 16. Characterisation and impacts of tornado-induced flooding and windstorms in Mpumalanga province, South Africa -- Chapter 17. Emerging Key Findings, Conclusions and Policy Recommendations.

Sommario/riassunto

This volume discusses the increasing occurrence of floods and tornadoes in Southern Africa over the last few years. The book discusses existing flood and tornado management protocols, indigenous approaches to mitigate disaster risk, urban and peri-urban flooding, tornado-induced flooding and windstorms, and the challenges and vulnerabilities associated with rural and transboundary floods. The book offers planning and recovery strategies to minimise impacts from these events through sustainable means. Such means include sustainable drainage systems, waste management in harbors and beaches, community engagement in flood-prone areas, and improved food security measures in urban poor households.
