

Introduction

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Abstract

Biosphere reserves have particular, unique importance as places to study, learn, and replicate forms of disciplinary mitigation and adaptation. In the context of the worsening climate crisis, this is especially true of island and coastal biosphere reserves that disproportionately face the adverse impacts of climate change. Considering issues like biodiversity conservation, cultural diversity, and socio-culturally and environmentally sustainable economic development, biosphere reserves serve as ideal places for interdisciplinary research and to design and implement mitigation and adaptation strategies developed from and for local contexts and communities. This interdisciplinary book emphasizes the unification of the results of cutting edge technical research with the local knowledge, struggles and experiences of the Raizal people of the Archipelago of San Andrés, Providencia and Santa Catalina. Combining insights from different disciplines offers insights into how best to prepare for and respond to future extreme weather events, and key inputs for decision-making by both public sector actors in the archipelago and in Colombia, and any stakeholder interested in these processes. Innovative methodologies and precise, up-to-date scientific data are crucial for effective policy-making. Hence this book includes important results including maps, models, and ecosystem-based reconstruction methodologies focused on mangroves and coral reefs, among others.

Keywords: Seaflower Biosphere Reserve. Archipelago of San Andrés, Providencia and Santa Catalina. Climate change. Sustainable development. Hurricanes Eta and Iota.


Disaster Risk Reduction
Methods, Approaches and Practices

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From Local Thinking to Global Actions

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