Record Nr. UNINA9910506377903321 Small island developing states: vulnerability and resilience under **Titolo** climate change / / Stefano Moncada [and five others], editors Pubbl/distr/stampa Cham, Switzerland:,: Springer,, [2021] ©2021 **ISBN** 3-030-82774-7 1 online resource (390 pages) Descrizione fisica Collana World of small states;;9 338.927091724 Disciplina Soggetti Sustainable development - Developing countries Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Includes index. Note generali

Nota di contenuto

Intro -- Acknowledgments -- Contents -- Introduction to the Book --1 The Main Thrust and Rationale of the Book -- 2 Structure of the Book -- 3 Conclusions -- References -- Part I: Concepts and Dimensions --States of `Knowing': Uncertainty, Ambiguity and Risk in SIDS Climate Change Impacts -- 1 Introduction -- 2 Understanding the Past: Climate `Data' in a Small Island Context -- 2.1 Island Climate -- 2.2 Oceans -- 3 Anticipating the Future: Climate Models in Small Island Contexts -- 4 Planning for the Future: Informing Adaptation in SIDS -- 5 Outlook -- References -- Climate and Development Research in Small Island Developing States: The Benefits of a Political Ecology Approach -- 1 Introduction -- 2 Why Political Ecology Research on Climate and Development in Islands? -- 3 Vulnerability, Climate and Development on Islands -- 4 Sovereignty and Climate (in)Justice -- 5 Migration for a Better Future? -- 6 Disaster Risk Reduction in a Changing Climate -- 7 Natural Resource Management Trade-offs in a Changing Climate -- 8 Conclusions: Towards a Political Ecology of Islands -- References --Part II: Sectors -- Community Participation, Situated Knowledge and Climate Change (Mal-)Adaptation in Rural Island Communities: Evidence from Art... -- 1 Introduction -- 2 Literature Review: Community Participation and Indigenous Knowledge -- 3 Seawalls as Popular Yet Maladaptive Adaptations -- 3.1 Responding to Shoreline Changes in Fiji -- 3.2 The Life Cycle of a Seawall in Fiji -- 4 Lack of Knowledge Transfers and Climate Change Maladaptation -- 5

Conclusion -- References -- Widening the Scope of Disaster Preparedness in the Caribbean: Building Resilience Through Improving Climate Information -- 1 The Caribbean: Inherent Vulnerability and Disaster Risk -- 2 Managing and Reducing Disaster Risk in the Global Context.

2.1 Managing and Reducing Disaster Risk in the Caribbean -- 3 Beyond Disaster Management and Recovery in the Caribbean: Developing a Wider Sense of Preparedness and Building Resilience -- 3.1 Dominica and Storm Disasters -- 3.2 Tropical Storm Erika, August 27th 2015 --3.3 Learning from Erika -- 4 Towards Building Resilience in the Caribbean: The Role of Climate Information -- 5 The Way Forward --Appendix -- References -- Sustainable Land Use Systems in Natural Resource Policies: The Role of Agroforestry in the Rio Conventions for Small Island De... -- 1 Introduction -- 2 Agroforestry Systems in SIDS -- 3 Methods -- 4 Results -- 4.1 Agroforestry and NDC Targets -- 4.2 Agroforestry and NAP References -- 4.3 Agroforestry and NBSAP References -- 5 Discussion -- 6 Conclusion -- Detailed List of Agroforestry References in the Three Rio Conventions -- References --Economic Impacts of Climate Change on Agriculture: Insights from the Small Island Economy of Mauritius -- 1 Introduction -- 2 Climate and Agroecosystem -- 3 Modelling Climate Impacts on Agriculture -- 4 Climate Change in Mauritius -- 5 Materials and Methods -- 5.1 Conceptual Framework -- 5.2 Data Collection Strategy -- 5.3 Econometric Modelling -- 6 Findings -- 7 Conclusion and Implications for Policy -- References -- The Early Development of the Small Island Developing States' Climate Governance: A Disproportionate Impact on UN Climate Negot... -- 1 Introduction -- 2 SIDS as Vulnerable But Resilient Actors -- 3 A Constructivist Hypothesis for Climate Change Politics -- 3.1 Social Construction of International Affairs: The Constructivist Turn -- 4 Shared Ideas and Consensus Building in SIDS' Climate Politics -- 5 Coalitional Impact and Climate Conventions -- 6 Conclusion -- References -- Social and Economic Vulnerability to Climate Change: A Gender Dimension for Indian Ocean Islands. 1 Introduction -- 2 Gender, Vulnerability and Adaptability to Climate Change -- 3 Social and Economic Vulnerability to Climate Change -- 4 Regional Setting: A Brief on the Indian Ocean Islands -- 5 Methods --5.1 The Inform Risk Index and the Emergency Events Data -- 5.2 Building the Socio-Economic Vulnerability Index via a Gender Lens -- 6 Data Analysis: The Hazards and Exposure Dimension: A Regional Perspective -- 7 Findings -- 7.1 The Socio-Economic Vulnerability Index: A Gender Approach -- 7.2 Lack of Coping Capacity -- 8 Conclusion and Gender-Inclusive Climate Change Policy Options --References -- Vulnerability of Jamaica's South Coast Fishing Communities to Coastal Erosion and Flooding -- 1 Introduction -- 1.1 Climate Change Implications -- 2 Methodology -- 2.1 Coastal Vulnerability Assessment -- 2.2 Community-Based Vulnerability Assessment -- 3 Results -- 3.1 Coastal Erosion and Fisheries Businesses -- 3.2 Vulnerability to Coastal Flooding -- 3.3 Community Wellbeing and Adaptation Response Options -- 4 Conclusions --References -- Fisheries Sector Vulnerabilities to Climate Change in Small Island Developing States -- 1 Introduction -- 2 Differences and Similarities in Vulnerability of SIDS to Climate Change -- 3 Methodology -- 3.1 Vulnerability Framework -- 3.2 Data Analysis -- 4 Results -- 4.1 Component Comparison of the Three SIDS Groups -- 4.2 Subcomponents of the Three Categories -- 5 Discussion and Conclusion -- Appendix A: Indicators Used for Analysis -- References -- Part III: Places -- Vulnerabilities to Climate Change and Enhancing Resilience in Caribbean Small Island Developing States: A Spatial

Planning Fra... -- 1 Introduction -- 1.1 History of Spatial Planning in the English-Speaking Caribbean -- 1.2 Spatial Planning Deficiencies and Climate Change Vulnerability in Case Study Countries. 1.2.1 Trinidad and Tobago: Spatial Development Planning -- 1.2.2 Trinidad and Tobago: Development Control -- 1.2.3 St Lucia: Spatial Development Planning -- 1.2.4 St Lucia: Development Control -- 2 A Conceptual Framework for Enhancing Climate Change Resilience in Caribbean SIDS -- 2.1 Strengthening Spatial Plan Preparation and Implementation -- 2.2 Implementing Development Standards for Climate Proofing -- 2.3 Adapting Water Supply Using Spatial Planning Standards -- 2.4 Promote Ecosystems-Based Approaches and Green Infrastructure -- 2.5 Managing Unauthorised Spatial Development --2.6 The Role of Market Mechanisms in Spatial Planning -- 2.7 Education, Empowerment and Behavioural Change -- 2.8 New Technologies -- 2.9 Corporate Social Responsibility -- 3 Conclusion --References -- Human Mobility and Disasters in Pacific and Caribbean Small Island Developing States -- 1 Introduction -- 2 Natural Hazards -- 2.1 Pacific SIDS -- 2.2 Caribbean SIDS -- 3 Human Mobility and Disaster Displacement in the Global Agenda -- 4 Human Mobility in the Context of Disasters in the Regional Agendas of Pacific and Caribbean SIDS -- 5 Human Mobility and Disaster Displacement Policies -- 5.1 Caribbean SIDS -- 5.2 Pacific SIDS -- 6 Conclusions -- References --Climate Change and the Case of Grenada's Blue Growth Plan: Using the SDGs to Propose a Policy Planning Framework for SIDS's Su... -- 1 Introduction -- 2 Resilience and Vulnerability: Two-Sides of the Same Coin? -- 3 The Concept of the Blue Economy -- 4 Grenada's Blue Growth Plan: Towards Sustainable Development? -- 5 The SDGs as a Planning Framework -- 5.1 An Illustration of Applying the Framework to the Blue Growth Plan -- 5.1.1 SDG14 + SDG 1 -- 6 Using the SDGs Framework: Implications for Policy -- 6.1 Integrated Policy, Goal-Setting and Planning Towards Sustainable Development. 6.2 Policy, Resilience Building and Sustainable Development -- 7 Conclusions -- References -- Identifying Climate Change Vulnerability and Adaptation Challenges in the Caribbean SIDS: An Urban Morphological Approach -- 1 Introduction -- 2 Understanding Climate Change Vulnerability and Adaptation -- 3 Negril, A Case Study -- 4 Methodology -- 5 Long Bay's Vulnerability -- 5.1 Physiognomic and Infrastructural Threats -- 5.2 Long Bay's Elevation -- 5.3 Coastal Setbacks and Building Footprints -- 5.4 Accessibility and Emergency Evacuation -- 6 Negril Adaptation Planning and Challenges -- 7 Conclusion -- References -- The Contentious Policies of Place and Space: The Maldives, Overpopulation, and Climate Concerns -- 1 Introduction -- 2 Climate Vulnerability and Atoll Habitability -- 3 Democratic Development and Challenges -- 4 Methodology and Research Sites -- 5 Multi-Level Governance Priorities -- 5.1 National Level -- 5.2 Atoll Level -- 5.3 Island Level -- 6 The Contentious Policies of Place and Space -- 7 Conclusion -- References -- Coral Islands, Climate Change and Distant Destinies? The View from Kiribati -- 1 Introduction -- 2 Atoll Challenges -- 3 Colonial Times -- 4 Resettlement -- 5 Urbanisation -- 6 International Migration -- 7 Migration with Dignity -- 8 Aspirations and Objectives -- 9 Conclusion -- References -- Index.