

1. Record Nr.	UNISA996308766603316
Autore	Tiepolo Maurizio
Titolo	Planning to cope with tropical and subtropical climate change // Maurizio Tiepolo
Pubbl/distr/stampa	Warsaw ; ; Berlin : , : De Gruyter Open Poland, , [2016] ©2016
ISBN	3-11-048079-4
Descrizione fisica	1 online resource
Disciplina	910
Soggetti	Climate change, Hydro-climatic hazard, Adaptation plan, Mitigation plan, Risk mapping, Early warning, Large cities ARCHITECTURE / Urban & Land Use Planning Electronic books. Tropics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Frontmatter -- Contents -- Acknowledgments -- 1. Planning the Adaptation to Climate Change in Cities: an Introduction / Tiepolo, Maurizio / Cristofori, Elena -- 2. Climate Change Characterisation and Planning in Large Tropical and Subtropical Cities / Tiepolo, Maurizio / Cristofori, Elena -- 3. Extreme Events Assessment Methodology as a Tool for Engineering Adaptation Measures - Case Study of North Coast of São Paulo State (SP), Brazil / Sakai, Rafael de Oliveira / Cartacho, Diego Lourenço / Arasaki, Emilia / Alfredini, Paolo / Rosso, Maurizio / Pezzoli, Alessandro / Cabral De Souza Junior, Wilson / Cabral De Souza, Wilson -- 4. Vulnerability and Resilience to Drought in the Chaco, Paraguay / Pezzoli, Alessandro / Ponte, Enrico -- 5. Characterization of Flood Hazard at a Municipal Level. A Case Study in Tillabéri Region, Niger / Bacci, Maurizio -- 6. Sensitivity of Dar Es Salaam Coastal Aquifer to Climate Change with Regard to Seawater Intrusion and Groundwater Availability / Sappa, Giuseppe / Luciani, Giulia -- 7. Impact of the Construction of an Offshore Highway on the Sea-Spray Dynamics in La Reunion Island / Piazzola, Jacques / Tedeschi, Gilles / Missamou, Tathy -- 8. Early Warning Systems & Geomatics: Value-added Information in the Absence of High Resolution

Data / Cristofori, Elena / Albanese, Adriana / Boccardo, Piero -- 9. Planning the Adaptation of Coastal Cities to Climate Change: a Review of 14 Pilot Projects / Ponte, Enrico -- 10. National and Local Contingency Planning: a Comparative Analysis of Plans in Africa and Latin America / Ponte, Enrico -- 11. Measures of Adaptation and Community-based Water Management in Mékhé, Senegal / Biconne, Rita -- 12. Flood Risk Preliminary Mapping in Niamey, Niger / Tiepolo, Maurizio / Braccio, Sarah -- 13. Flood Risk Assessment at Municipal Level in the Tillabéri Region, Niger / Tiepolo, Maurizio / Braccio, Sarah -- 14. Drought Risk in the Tillabery Region, Niger / Tarchiani, Vieri / Bacci, Maurizio -- 15. Climate Change Adaptation Through Urban Planning: a Proposed Approach for Dar Es Salaam, Tanzania / Macchi, Silvia / Ricci, Liana -- 16. Climate Change Adaptation in Dar es Salaam: Local Government Opinions and Proposed Interventions / Shemdoe, Riziki S. / Rugai, Dionis / Fantini, Laura -- 17. Household Level Vulnerability to Climate Change in Nepal - A Comparison of a Semi-urban and a Rural Village Development Committee / Giri, Madhav -- 18. Weather Observation Network and Climate Change Monitoring in Catalonia, Spain / Prohom, Marc / Puig, Oriol -- 19. Assessing flood risk in Zurich, Switzerland: the KR-RRA approach / Ronco, Paolo / Bullo, Martina / Gallina, Valentina / Torresan, Silvia / Critto, Andrea / Zabeo, Alex / Semenzin, Elena / Olszewski, Roland / Marcomini, Antonio -- 20. Flood Risk Assessment and Quantification in the Piedmont Region, Italy / Franzi, Luca / Bianco, Gennaro / Bruno, Alessandro / Foglino, Sara -- 21. Conclusion / Tiepolo, Maurizio / Ponte, Enrico

Sommario/riassunto

This book provides examples of climate change characterization and decision-making tools for subtropical and tropical adaptation planning. It is intended for local operators, physical planners, besides researchers and students of these subjects. The first chapter describes the status of climate planning in large subtropical and tropical cities. The following six chapters discuss hazards (drought, intense precipitations, sea level rise, sea water intrusion) and early warning systems. Nine chapters enlarge on flood risk analysis and preliminary mapping, climate change vulnerability, comparing contingency plans in various scales and presenting experiences centred on adaptation planning. The last three chapters introduce some best practices of weather and climate change monitoring and flood risk mapping and assessment.
