

Urban Flooding in Brazil

This contributed volume analyzes flooding scenarios in Brazilian cities using a geographic and spatiotemporal approach to explore impacts and ways to mitigate future disasters. The problem of urban flooding is growing in Brazilian cities due to the increasing number of natural disasters in the context of global climate change; this is a topic that poses challenges to urban planners and academics. Through three sections, this volume offers theoretical-conceptual, methodological and technical case studies, as well as cases that explore urban socio-environmental problems associated with flooding. Throughout the book, the concepts of risk, vulnerability and adaptation are used to explore future flood scenarios in Brazil. The integrated vision offered in this volume covers the floods themselves, evaluation of flood impacts, and the management process before, during, and after the flood event. The case studies presented here elucidate the concept of comprehensive urban flood management, offering a technical and diagnostic basis for the problem in different cities in Brazil. The present and future challenges presented by these chapters offer widely-transferable lessons that can be applied to making cities around the world more sustainable and disaster-resilient.



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