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Nota di contenuto	Uncertainties in Urbanizing World and Nature-based resilience building -- Ecosystem-based Adaptation (EbA) in the Hindu Kush Himalayas: Status, progress and challenges -- Evaluation of Ecosystem based approaches for disaster and climate risk resilience and policy perspectives in Pakistan -- Ecosystem-based approaches and policy perspectives in Nepal -- Ecosystem-based approaches and policy perspective from India -- Ecosystem-based approaches and policy perspectives: Towards integrated blue-green solutions in Vietnam -- Turning blue, green and gray: opportunities for blue-green infrastructure in the Philippines -- Making resilience a reality: The contribution of Peri-urban ecosystem services (BGI) to Urban resilience -- Innovations to Reduce Disaster Risks of Water Challenges -- Future heat risk in South Asia and the need for ecosystem mitigation -- Urban Risk Assessment Tools and Techniques for Ecosystem-based Solutions, India -- Scaling-up Nature based Solutions for mainstreaming urban resilience in Indian cities -- Incorporation of BIM based modeling in sustainable development of green building from stakeholders' perspective -- Planning for Climate Change Adaptation: Comprehensive Approach for Smart Urban Areas Management -- Path towards sustainable water management: A case study of Shimla, India -- Application of Remote Sensing Image in ECO-DRR for Dehradun City -- Ecosystem-based approaches for water stress management- lessons

from Nagpur Metropolitan Area, India -- Challenges in decision-making for building resilience to climate risks -- A “Greener” alternative: The Sri Lankan experience of Eco-DRR -- the Watarase retarding basin—a historical example of ecosystem-based disaster risk reduction in Japan -- Self-efficacy for EbA and human health in a post-disaster recovery phase -- Freshwater biomonitoring: an ecosystem-based approach (EbA) for building climate resilience communities in Fiji -- Forward Looking Lens to Mainstream Blue-Green Infrastructure.

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Sommario/riassunto

This book provides an introduction to the critical role of ecosystem-based disaster risk resilience (Eco-DRR) for building community resilience to multiple environmental risks such as rising heat, water stress, and pollution. Blue-green infrastructure (BGI) is an Eco-DRR tool that is an under-explored paradigm and can respond as one common strategy to targets set by the Sustainable Development Goals (UNDP), Climate Agreements (UNEP), the Sendai Framework (UNISDR), and the New Urban Agenda (UNCHS). Highlighted here in a systematic way is the importance of blue-green infrastructures in resilience building. The purpose is to introduce readers to the challenging context of development and opportunity creation for Eco-DRR. The roles of policy, scientific research, and implementation are presented cohesively. An attractive proposition of the book is a collection of case studies from different parts of the world where integration of BGI is experimented with at various levels of success. It envisages that shared tacit experiences from the realm of practice will further strengthen explicit knowledge. The focus in this book is on need and context building, policy and science (investigation, analysis, and design), case studies, and a road map for the future in four successive parts. Each part is self-sufficient yet linked to its predecessor, successor, or both, as the case may be.

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