

*Springer Book Series:*

# RESILIENT CITIES: Re-thinking Urban Transformation BOOK 1[BK1]

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## TITLE

### **URBAN RESILIENCE FOR RISK AND ADAPTATION GOVERNANCE.**

#### **Lessons from the practices**

## KEY WORDS

Urban Resilience, Risk Governance, Adaptation, Vulnerability, Risk Reduction Spatial Planning, Institutional Innovation, Community Engagement

## SCOPE

Climate change has a multiplying effect on cities' present and future critical events, like those caused by political, financial, social or environmental conflicts. Uncertainty and insecurity related with these occurrences increase the complexity of urban planning processes and the impact of unanticipated consequences. These crises require major actions, beginning with the redefinition of the field of opportunities for cities to foster not only their systemic adaptive capacity but also their innovation and creativity for development, through the implementation and replication of resilience strategies and actions.

Risk is understood as a cumulative condition of tensions, conflicts and crisis. Risk management can be defined as the capacity to anticipate and to prevent extreme events (disaster risk prevention), to lower disasters' impacts (disaster risk reduction) and to recover from them (disaster recovery). In a resilience perspective, risk management includes the ability of a societal system to deconstruct and re-think its consolidated societal and economic structures, in order to dynamically adapt in face of climate, social, economic and environmental changes.

This book aims at collecting a series of theory and practice based articles on risk management in urban contexts, within a resilient, systemic and multi-risk perspective. The book's contributions are focused on risk management policy, strategies and actions able to generate co-benefits as social inclusion, equity and participation; particularly when based on bottom-up governance forms and co-evolution principles. Case studies are especially focused on lessons learned, as well as the potential and means for their replication and upscaling, also through capacity building and knowledge transfer. Among many other topics, it explores difficulties encountered in, and creative solutions found to, community and local experiences and capacities, organizational processes and integrative institutional, technical and methodological approaches to risk problems and governance.

This book proposes also a transversal approach regarding the role of spatial planning in promoting and fostering risk management as well as institutions' challenges and perspective for governing risk, particularly in relation to new forms of multi-level governance that can include stakeholders and citizen engagement.

## TOPICS

ID	TOPICS	DESCRIPTION
T1	<b>Concepts and definitions of risk and adaptation</b>	This topic aims to analyse and benchmark different definitions, approaches and concepts of risk, risk management and adaptation in cities. It also includes the understanding of the key characteristic of urban resilience in relation to risk.
T2	<b>Disaster risk prevention and reduction</b>	This topic aims at defining approaches related to urban risk prevention and reduction, with reference to both slow and rapid on-setting disasters and crises. It includes issues related with prevision capacity and approaches to foresee and forecast future risk, in relation to prevention and preparedness.
T3	<b>Disaster recovery strategies and solutions</b>	This topic aims to analyse different strategies and solutions related to disaster recovery, including rapid post disaster deployment, recovery and reconstruction. The topic addresses also how to manage the transition from post disaster recovery toward medium-long term urban resilience transition.
T4	<b>Community based initiatives for urban risk management and adaptation</b>	This topic aims to collect experiences on community initiatives and organisational process, based on social inclusion and capacity building for urban risk management. It includes analyses on how local communities and citizens can enhance urban resilience through risk management and adaptation.
T5	<b>Innovative methodological and technical solutions for risk management and adaptation</b>	This topic aims to explore, particularly through case studies, the development and implementation of novel methodologies and techniques for urban risk management and adaptation, with specific focus on innovative and creative solutions in contexts with limited resources and capacities.
T6	<b>Institutional frameworks and multi-level governance</b>	The topic analyses institutional and governance frameworks, with specific focus on multi-level governance, local communities' participation, and bottom-up approaches for urban risk management and adaptation. It includes strategies and frameworks for multi-stakeholders participation and support to participatory and inclusive decision- making.
T7	<b>The integration of risk management in spatial planning</b>	This topic aims at discussing in which way risk management and adaptation can be integrated and deployed in spatial planning theories and practices. It includes also the potential of planning for controlling uncertainty for the prevention against future events and preparedness to occurring events.

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