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Autore	Eslamian Saeid
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Sommario/riassunto

This book is part of a six-volume series on Disaster Risk Reduction and Resilience. The series aims to fill in gaps in theory and practice in the Sendai Framework, and provides additional resources, methodologies and communication strategies to enhance the plan for action and targets proposed by the Sendai Framework. The series will appeal to a broad range of researchers, academics, students, policy makers and practitioners in engineering, environmental science and geography, geoscience, emergency management, finance, community adaptation, atmospheric science and information technology. This volume discusses the implementation of socio-hydrological resilience measures to curb the impacts on vulnerable communities of hydrologic disasters such as coastal floods, drought, water scarcity, and thunderstorms. The book provides a framework for sustainable hydrology-community interactions to inform local communities about the best practices to achieve hydrological resilience, and to implement resilient water infrastructure. Hydrological influences on the resilience of a region are comprehensively surveyed, and a "green economy strategy" is described and recommended for achieving climatic and hydrological sustainability. .