

Humanitarian Logistics from the Disaster Risk Reduction Perspective

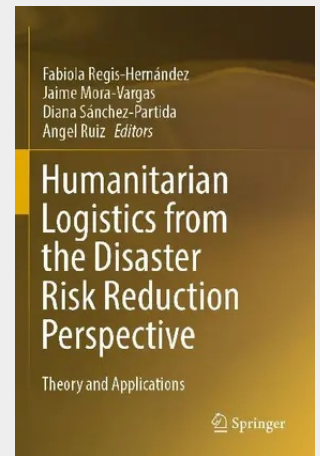
Theory and Applications

This book aims to clarify the priorities of the Sendai Framework for the DRR 2015 – 2030, through gathering recent contributions addressing the different ways researchers define, measure, reduce, and manage risk in the challenge of the DRR. Beyond a discussion of the different definitions of disaster risk; this book provides contributions focused on optimization approaches that support the decision-making process in the challenge of managing DRR problems considering emerging disaster risks in the medium and long term, as well as national and local applications. Some of the topics covered include network flow problems, stochastic optimization, discrete optimization, multi-objective programming, approximation techniques, and heuristic approaches.

The target audience of the book includes professionals who work in Linear Programming, Logistics, Optimization (Mathematical, Robust, Stochastic), Management Science, Mathematical Programming, Networks, Scheduling, Simulation, SupplyChain Management, Sustainability, and similar areas. It can be useful for researchers, academics, graduate students, and anyone else doing research in the field

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