

1. Record Nr.	UNINA9910254933703321
Titolo	Advances in managing humanitarian operations // edited by Christopher W. Zobel, Nezh Altay, Mark P. Haselkorn
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2016
ISBN	3-319-24418-3
Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (298 p.)
Collana	International Series in Operations Research & Management Science, , 0884-8289
Disciplina	363.348
Soggetti	Operations research Decision making Management science Operations Research/Decision Theory Operations Research, Management Science
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Contents; Contributors; About the Authors; About the Editors; Chapter-1; Humanitarian Research and Managing Humanitarian Operations; 1.1 Purpose of Volume; 1.2 Overview Section; 1.3 Theory Section; 1.4 Application Section; 1.5 Summary; References; Chapter-2; Modeling Approaches and Metrics to Evaluate Nonprofit Operations; 2.1 Introduction; 2.2 Modeling Methods and Strategies; Modeling the Nonprofit Operation; Managerial Strategies; 2.3 Performance Metrics; Input Metrics; Output Metrics; Efficiency Metrics; 2.4 Conclusion; References; Chapter-3 Disaster Response Logistics: Chief Findings of Fieldwork Research3.1 Introduction; 3.2 Disaster Response Logistics (DRL); 3.3 Chief Findings from Fieldwork Research; All Facets of Disaster Response Logistics are Socio-Technical Processes; Humanitarian Logistics and Commercial Logistics are Very Different; Size and Complexity Matters: Catastrophes and Disasters Require Radically Different Responses; It is Crucial to Integrate the Civic Society in the Response Effort; It is Important to Design Plans for Easy Integration of Outside Help

Prepositioning Critical Supplies is Required for Effective Response to Catastrophes; Control of Precautionary/Opportunistic Buying Could Help Provide a First Wave of Resources; Control of Material Convergence will Enhance Disaster Response; New Supporting Technologies and Systems Could Foster Effectiveness; 3.4 Conclusions; References; Chapter-4; Cash as a Form of Relief; 4.1 Introduction; 4.2 Changing Landscape; 4.3 Types of Cash Transfer Programmes (CTPs); 4.4 CTPs-Change to Humanitarian Supply Chains; 4.5 Impact of CTPs on Humanitarian Logisticians (HL); 4.6 CTP-Lean or Agile? 4.7 Delivery Mechanisms of Cash in Humanitarian Operations 4.8 Conclusion; References; Chapter-5; Measuring Markets That Supply Cash-Based Humanitarian Interventions; 5.1 Literature; Measuring Supply Chain Performance; Measuring Humanitarian Supply Chains; Measuring Markets; 5.2 Three Models to Consider; Triple-A Supply Chain; The EMMA Market Systems Model; The Access Model; 5.3 Analysis of Case Studies; Super Typhoon Haiyan-Cash Grant and Shelter Voucher Program ; Syria Refugee Crisis-Water Voucher and Water Equipment Program ; Syria Refugee Crisis-Cash-Based Winterization Program in Lebanon Haiti Earthquake-Potential for Indirect Response Sahel Food Crisis-Food for Assets and Cash for Work ; Summary of Case Studies; 5.4 Discussion-Measures and Models; Current Measures; EMMA and Triple-A Models; The Access Model; Measures for the Case Studies; 5.5 Conclusion; References; Chapter-6; The Partner Proliferation Problem in Disaster Response Networks; 6.1 Introduction; 6.2 Problem Definition; 6.3 Challenges Facing the Resolutions of the Partner Proliferation Problem; 6.4 Disaster Response Networks (DRN); Long-Term Structures; Short-Term Structures 6.5 Suitability of Virtual Organizations for Disaster Response Networks

Sommario/riassunto

This volume provides a survey of current research problems and results in humanitarian operations research. Additionally, it discusses existing applications of humanitarian operations research, and considers new research efforts that clearly extend existing research and applications. The book is divided into three sections that provide an overview of the subject, a look at the theory, and an examination of applications. The overview section presents chapters on modeling approaches and metrics to evaluate nonprofit operations; chief findings of fieldwork research in disaster response logistics; the use of cash as a form of relief; and measuring markets that supply cash-based humanitarian interventions. The theory section includes chapters that examine the partner proliferation problem in disaster response networks; a case study of humanitarian logistics that examines how humanitarian culture informs change adoption; and a look at the current state of the art for information visibility in humanitarian operations. Finally, the application section focuses on blood products, vaccines, and food assistance, with individual chapters on efficient inventorying and distribution of blood products during disasters; a detailed look at modeling in the context of the vaccine supply chain; a framework for achieving equity, effectiveness, and efficiency in food bank operations; and a spatio-temporal vulnerability assessment of the resilience of a population affected by sudden lack of food.