Record Nr. UNINA9910720082403321 Autore D'Amico Sebastiano **Titolo** Geohazards and Disaster Risk Reduction: Multidisciplinary and Integrated Approaches / / Sebastiano D'Amico and Francesco De Pascale Pubbl/distr/stampa Cham, Switzerland:,: Springer,, [2023] ©2023 **ISBN** 9783031245411 9783031245404 Edizione [First edition.] Descrizione fisica 1 online resource (503 pages) Advances in Natural and Technological Hazards Research Series;; Collana Volume 51 363.34 Disciplina Soggetti **Emergency management** Environmental disasters Natural disasters Lingua di pubblicazione Inglese Materiale a stampa **Formato** Livello bibliografico Monografia Intro -- Preface -- Acknowledgments -- Contents -- Part I: Nota di contenuto Geohazards and Disaster Prevention: Approaches and Case Studies --Chapter 1: Social Vulnerability and Geohazards: Review and Implications -- 1.1 Introduction -- 1.2 Extreme Geohazards: Mechanism and Characteristics -- 1.2.1 Flood Due to Extreme Water Events -- 1.2.2 Earthquake -- 1.2.3 Landslide -- 1.2.4 Sinkhole (Natural and Anthropogenic) -- 1.2.5 Subsidence -- 1.3 Societal Impacts of Geo-Disasters -- 1.3.1 Before Disaster -- 1.3.1.1 Perception of Disaster Risk -- 1.3.1.2 Disaster Preparedness -- 1.3.1.3 Responses to Warning Communication -- 1.3.2 During Disaster --1.3.2.1 Housing and Homelessness -- 1.3.2.2 Residence in Areas at High Risk of Disaster Effects -- 1.3.2.3 Financial Effects -- 1.3.3 After Disaster -- 1.3.3.1 Difficulty of Obtaining and Receiving Aid -- 1.3.3.2 Lack of Access to Housing -- 1.3.3.3 Stress Associated with Lack of Resources -- 1.3.3.4 Greater Prevalence of Distress and Depression --1.3.3.5 Posttraumatic Stress -- 1.3.3.6 Physical Health and Health Problems -- 1.4 Case Studies of the Social and Economic Impact of

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Sommario/riassunto

This book provides a comprehensive and multidisciplinary approach to addressing geohazards, with topics such as social vulnerability reduction, risk prevention, institutional preparedness, and community resilience. It also introduces new technologies to study geohazards, which is important since geohazards have caused many casualties, economic losses, and damage to cultural heritage throughout human history. Despite this, the culture of risk prevention is not yet widespread, so Disaster Risk Reduction activities must focus on increasing capacities, strategies, and action plans for prevention and preparedness in local communities.