

1. Record Nr.	UNISA996426329503316
Titolo	Volcanic hazards, risks and disasters // volume editor, Paolo Papale
Pubbl/distr/stampa	Amsterdam, Netherland ; ; Kidlington, England ; ; Waltham, Massachusetts : , : Elsevier, , 2015 ©2015
ISBN	0-12-396476-8
Descrizione fisica	1 online resource (533 p.)
Collana	Hazard and Disasters Series
Disciplina	363.34/95
Soggetti	Volcanic hazard analysis Electronic books.
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	FrontCover; Volcanic Hazards, Risks,and Disasters; Copyright; Contents; Co-editors; Contributors; EditorialForeword; Introduction; Chapter 1 - Global Distribution of Active Volcanoes; 1.4 PATTERNS IN VOLCANO-RELATED FATALITIES; ACKNOWLEDGMENTS; 2.2 WHAT MAKES A LAVA FLOW HAZARDOUS?; 9.2 THE BRADYSEISMIC CRISES AT CAMPI FLEGREI IN 1982-1984; REFERENCES; 3.6 MOVING FORWARD; 5.2 PDC GENERATION AND DYNAMICS; 6.2 TERMINOLOGY AND FUNDAMENTALS OF LAHAR GENERATION; 15.2 THE AD 1783-1784 LAKI ERUPTION; 2.5 CONCLUSIONS; REFERENCES; 8.2 PROBABILISTIC VERSUS DETERMINISTIC FORECASTS 8.9 APPLICATIONS OF PROBABILISTIC VOLCANIC EVENT TREES8.10 PUBLIC PRESENTATION OF PROBABILISTIC EVENT TREES?; 8.11 FUTURE IMPROVEMENTS; REFERENCES; 9.5 OPERATIONAL SHORT-TERM PVHA: RESULTS; 10.2 HUMAN VULNERABILITY AND BUILDINGS; 11.2 THE ROOTS OF VALUE-BASED DECISION-MAKING; 12.5 MANAGING THE INSURANCE RISK; 8.8 APPLICATIONS OF THE MULTIPLE DATA SETS METHOD, BY VMAP AND OTHERS; 12.8 LOCAL EVENTS-CITIES AT RISK; 13.2 VOLCANIC HAZARD ASSESSMENTS FOR MC; 17.2 STATE OF THE ART OF THE EUROPEAN VOLCANOLOGICAL RIS; REFERENCES; 14.2 CHARACTERISTICS OF FUJI VOLCANO; REFERENCES; 15.5 DISCUSSION 16.2 SUPERSIZED ERUPTIONS18.2 TARGET VOLCANOES FOR

Sommario/riassunto

Volcanic Hazards, Risks, and Disasters provides you with the latest scientific developments in volcano and volcanic research, including causality, impacts, preparedness, risk analysis, planning, response, recovery, and the economics of loss and remediation. It takes a geoscientific approach to the topic while integrating the social and economic issues related to volcanoes and volcanic hazards and disasters. Throughout the book case studies are presented of historically relevant volcanic and seismic hazards and disasters as well as recent catastrophes, such as Chile's Puyehue volcano eruption i