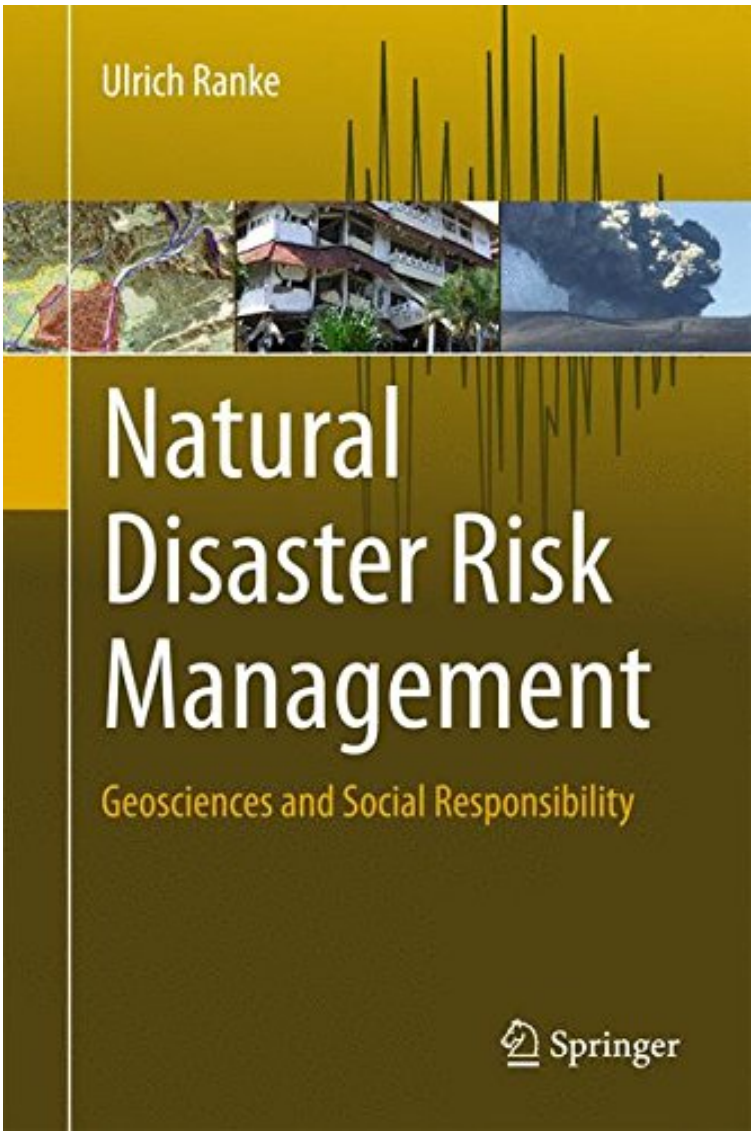
Natural Disaster Risk Management: Geosciences and Social Responsibility

Ulrich Ranke



#1546669 in Books Ulrich Ranke 2015-09-19Original language:EnglishPDF # 1 9.21 x 1.19 x 6.14l, .0 #File Name: 3319206745514 pagesNATURAL DISASTER RISK MANAGEMENT | File size: 28.Mb

Ulrich Ranke : Natural Disaster Risk Management: Geosciences and Social Responsibility before purchasing it in order to gage whether or not it would be worth my time, and all praised Natural Disaster Risk Management: Geosciences and Social Responsibility:

This textbook provides a thorough introduction to natural disaster risk management. Many aspects of disaster risk management, such as those involved in earthquakes, volcanic eruptions, floods, avalanches and mudslides call for similar prevention and preparedness instruments, management concepts, and countermeasures. This textbook assumes the viewpoint of a regional disaster risk manager who is responsible for a certain area, and for making the lives of the people who live there safer, regardless of the type of natural disaster that may occur. The same holds true for boosting preparedness and awareness in the population at risk. The book includes numerous examples of hazard mitigation concepts and techniques, as well as ways of intensively involving the local population in prevention schemes at an early stage. Furthermore, it provides an in-depth examination of the function of risk communication, both as an instrument for disseminating official information and as a function of public media. In closing, a chapter on risk splitting offers insights into insurance-based models for risk financing. This comprehensive book is a must-read for all students, researchers and practitioners dealing with natural disaster risk management.

Ranke has written a very timely, well-organized, comprehensive textbook that will be remarkably valuable to earth scientists in many disciplines throughout the world. Climatologists, hydrologists, geophysicists, volcanologists, and sedimentologists are just some specialists who will find this book an important resource. This guide and accompanying free software will be very useful to students studying natural disaster risks. Summing Up: Highly recommended. Upper-division undergraduates and above. (M. S. Field, Choice, Vol. 53 (9), May, 2016)From the Back CoverMany aspects of disaster risk management, such as for earthquakes, volcanic eruptions, floods, avalanches and mudslides call for similar prevention and preparedness instruments, management concepts, and countermeasures. This textbook assumes the viewpoint of a regional disaster risk manager who is responsible for a certain area, and for making the lives of the people who live there safer, regardless of the type of natural disaster that may occur. The same holds true for boosting preparedness and awareness in the population at risk. The book includes numerous examples of hazard mitigation concepts and techniques, as well as ways of intensively involving the local population in prevention schemes at an early stage. Furthermore, this textbook provides an in-depth examination of the function of risk communication, both as an instrument for official information dissemination and as a function of public media. To close, a chapter on risk splitting offers insights into insurance-based models for risk financing..About the AuthorProf. Dr. Ulrich Ranke, born in 1947, studied Geology at the University of Goettingen, Germany, where he later wrote his doctoral thesis on the marine sediments of the Northern Adriatic Sea in 1974. He joined the German Geological Survey (BGR) the same year, and worked for an extended period as a petroleum advisor to Bangladesh and Pakistan. For three years he was assigned to the Federal German Ministry for Technical Cooperation and Development as seconded expert for integrating geoscience in social and economic development projects. Later he became Head of the Department for Principles of Technical Cooperation, making him responsible for the BGRs project planning and evaluation in the context of international cooperation. During this time, he travelled to more than 30 countries, mostly in Asia, but also in southern Africa and the Arabian Peninsula. In 2002, he was assigned as project leader for German-Indonesian technical cooperation in the field of natural disaster risk management. In the aftermath of the 2004 tsunami disaster he served for many years in an advisory capacity to the Indonesian government concerning disaster risk management and the institutionalization of the German-Indonesian Tsunami Early Warning System. After returning from Indonesia to Germany in 2007, he was invited to hold lectures on natural disaster risk management at the Universities of Bonn and Clausthal. The following year, he was elected an honorary professor by the Geological Faculty at the University of Goettingen, where, since his retirement in 2012, he has continued to hold lectures on project management, planning and project evaluation.