1. Record Nr. UNINA9910959305803321

Autore	Tomaszewski Brian
Titolo	Geographic information systems (GIS) for disaster management / / Brian Tomaszewski
Pubbl/distr/stampa	New York ; ; London : , : Routledge, , 2021
ISBN	1-351-03486-3 1-351-03484-7
Edizione	[Second edition.]
Descrizione fisica	1 online resource (xxviii, 453 pages) : illustrations, maps
Disciplina	363.3480285
Soggetti	Disasters - Data processing Emergency management - Data processing Emergency management - Geographic information systems Gestió d'emergències - Sistemes d'informació geogràfica Llibres electrònics.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	1. A Survey of GIS for Disaster Management 2. Fundamentals of Geographic Information and Maps 3. Geographic Information Systems 4. Geographic Information Systems and Allied Technologies 5. Disaster Management and Geographic Information Systems 6. Geographic Information Systems and Disaster Planning and Preparedness 7. Geographic Information Systems and Disaster Response 8. Geographic Information Systems and Disaster Recovery 9. Geographic Information Systems and Disaster Mitigation 10. Special Topics, Future Technology, Professional Career Options and Geographic Information Systems (GIS) Trends
Sommario/riassunto	"Now in its second edition, Geographic Information Systems (GIS) for Disaster Management has been completely updated to take account of new developments in the field. Using a hands-on approach grounded in relevant GIS and disaster management theory and practice, this textbook continues the tradition of the benchmark first edition, providing coverage of GIS fundamentals applied to disaster management. Real-life case studies demonstrate GIS concepts and their applicability to the full disaster management cycle. The learning-by-

example approach help readers see how GIS for disaster management operates at local, state, national, and international scales through government, private sector, non-governmental organizations, and volunteer groups. New in the Second Edition: A Chapter on Allied Technologies include Remote Sending, Global Positioning Systems (GPS), Indoor Navigation and Unmanned Aerial Systems (UAS) Thirteen new technical exercises that supplement theoretical and practical chapter discussions and fully reinforce concepts learned Enhanced boxed text and other pedagogical features to give readers even more practical advice Examination of new forms of world-wide disaster faced by society Discussion of new commercial and open source GIS technology and techniques such as machine learning and internet of things. New interviews with subject matter and industry experts on GIS for disaster management in the US and abroad New career advice on getting a first job in the industry. Learned yet accessible, Geographic Information Systems (GIS) for Disaster Management continues to be a valuable teaching tool for undergraduate and graduate instructors in the disaster management and GIS fields, as well as disaster management and humanitarian professionals"-- Provided by publisher