

1. Record Nr.	UNINA9910765840203321
Titolo	Observing geohazards from space // edited by Francesca Cigna
Pubbl/distr/stampa	Basel, Switzerland : , : MDPI, , [2018] ©2018
ISBN	3-03842-776-4
Descrizione fisica	1 online resource (252 pages) : illustrations
Disciplina	550
Soggetti	Imaging systems in geophysics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Sommario/riassunto	With a wide spectrum of imaging capabilities, Earth observation offers several opportunities for the geoscience community to map and monitor natural and human-induced Earth hazards from space. The objective of this book is to collect scientific contributions on the development, validation, and implementation of satellite data, processing methods, and applications for mapping and monitoring of geohazards such as slow moving landslides, ground subsidence and uplift, and active and abandoned mining-related ground movements. The book includes research papers published in the Special Issue "Observing Geohazards from Space" of Geosciences, which provides a number of novel case studies demonstrating how Earth observation and remote sensing data can be used to detect and delineate land instability and geological hazards in different environmental contexts and using a range of spatial resolutions and image processing methods.