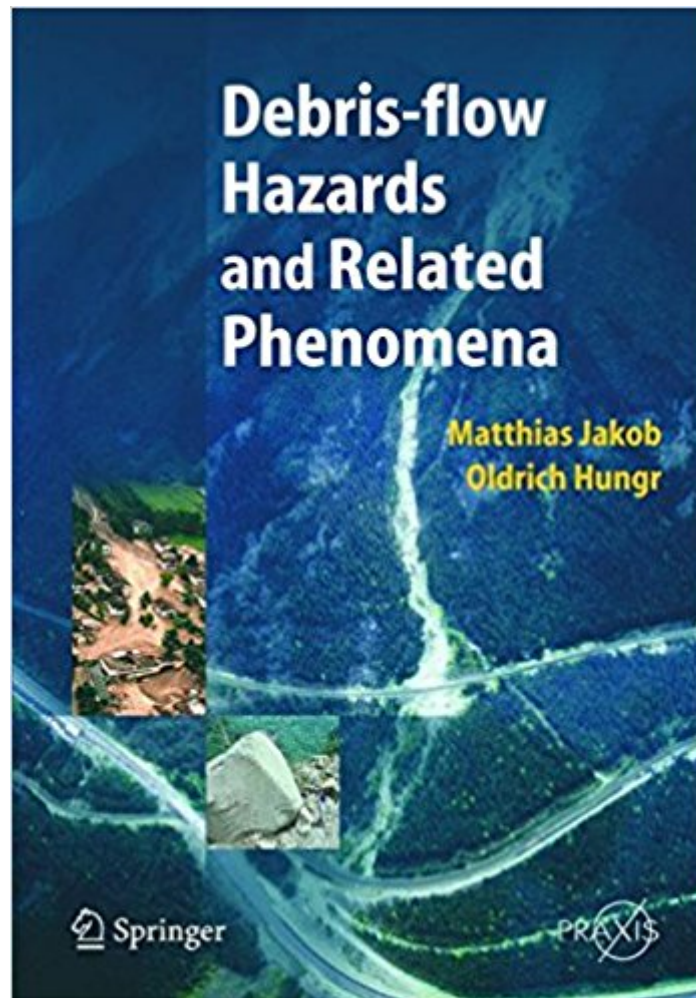




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# Debris-flow Hazards And Related Phenomena (Springer Praxis Books)



## Synopsis

With climate change and deforestation, debris flows and debris avalanches have become the most significant landslide hazards in many countries. In recent years there have been numerous debris flow avalanches in Southern Europe, South America and the Indian Subcontinent, resulting in major catastrophes and large loss of life. This is therefore a major high-profile problem for the world's governments and for the engineers and scientists concerned. Matthias Jakob and Oldrich Hungr are ideally suited to edit this book. Matthias Jakob has worked on debris flow for over a decade and has had numerous papers published on the topic, as well as working as a consultant on debris flow for municipal and provincial governments. Oldrich Hungr has worked on site investigations on debris flow, avalanches and rockfall, with emphasis on slope stability analysis and evaluation of risks to roads in built-up areas. He has also developed mathematical models for landslide dynamic analysis. They have invited world-renowned experts to join them in this book.

## Book Information

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## Customer Reviews

From the reviews: "This voluminous book of 781 pages presents the state-of-the-art of the knowledge about debris flows in a mainly subaerial context. The book is thorough and well-balanced, with magnificent diagrams most of which have a high level of detail. As a work of reference, this book is without doubt one of the most comprehensive compilations available today on debris flows. I strongly recommend it to all graduate

students and researchers." (Ferran Colombo, Journal of Sedimentary Research, July, 2006) "A compact modern review of the practical aspects of debris flow management would find a place on the bookshelves of Canadian natural hazard specialists in the western, northern, and eastern parts of Canada, as recent Journal articles have documented the destructive effects of debris flows in these areas. Certainly, this translation from the Italian is compact at 179 pages. The book will interest those following the Italian literature on Debris flows and the evolution of technical publishing in Britain." (D. M. Cruden, Natural Hazards Observer, Vol. 42, 2005)

Debris Flow Hazards and Related Phenomena is set to become the standard reference on debris flows, debris avalanches and related phenomena. The editors provide a complete treatment of all aspects of debris flow and debris avalanche research whilst making the book a useful tool for experts, researchers and students. Case studies are provided on a global basis which will illustrate graphically the real problems and real solutions associated with this devastating phenomena. The number of published articles in journals on landslides is literally exploding and where climate change is beginning to affect landslide activity, this book will be a much needed and long sought addition to the literature currently available.

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