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Titolo	Landslides in Cold Regions in the Context of Climate Change // edited by Wei Shan, Ying Guo, Fawu Wang, Hideaki Marui, Alexander Strom
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2014
ISBN	3-319-00867-6
Edizione	[1st ed. 2014.]
Descrizione fisica	1 online resource (310 p.)
Collana	Environmental Science, , 1431-6250
Disciplina	551.307
Soggetti	Environmental sciences Natural disasters Climate change Environmental Science and Engineering Natural Hazards Climate Change/Climate Change Impacts
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes bibliographies.
Nota di contenuto	Catastrophic slope processes in glaciated zones of mountainous regions -- Slope instability phenomenon in the permafrost region along the Qinghai-Tibetan Highway, China -- Occurrence mechanism and movement characteristics of landslides in Bei'an to Heihe expressway area in China under the climate change -- Forming mechanism of landslides in the seasonal frozen loess region in China -- Investigation and mechanism clarification of the 2011.1.5 Atom-en landslide in Kashima area, Matsue city -- Bedding landslide formation mechanism and traits in Lesser Khingan Mountain.The impact of freeze-thaw on the stability of soil cut slope in high-latitude frozen regions -- Effect of solar energy absorption in the embankment of the Qinghai-Tibet railway in the permafrost region.
Sommario/riassunto	Landslides in cold regions have different mechanisms from those in other areas, and comparatively few research efforts have been made in this field. Recently, because of climate change, some new trends concerning landslide occurrence and motion have appeared, severely impacting economic development and communities. This book collects

key case studies from the cold regions all over the world, providing an overview of the general situation.

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