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Nota di contenuto	01. Water, water everywhere: Perceptions of chaotic water regimes in northeastern Siberia, Russia.-Susan A. Crate -- 02. Sakha (Yakutia): the local projections of climate changes and problems of adaptation of the indigenous peoples.-Vanda Ignat'eva -- 03. Local perception of river thaw and spring flooding of the Lena River.-Hiroki Takakura -- 04. Monitoring spring floods in the Lena river using multiple satellite sensors.-Manabu Watanabe, Hiroki Takakura, Chinatsu Yonezawa, Yasuhiro Yoshikawa, Masanobu Shimada -- 06. Study on using air temperature data to calculate changes in ice sheet thickness on the Lena River toward ice-jam disaster prediction.-Yasuhiro Yoshikawa, Hiroki Takakura, Manabu Watanabe, Tetsuya Hiyama, Toru Sakai -- 07. Ice movement in the Lena River and the effects of spring flooding on human society: An interpretation of local sources integrated with satellite imagery using a multidisciplinary approach.-Hiroki Takakura, Yasuhiro Yoshikawa, Manabu Watanabe, Toru Sakai, Tetsuya Hiyama -- 08. Flood risk and migration in the Republic of Sakha (Yakutia).-Junko Fujiwara -- 09. Reindeer herding and environmental change in some reindeer herding regions, Sakha Republic: Comparison with Yamal-

Nenets Autonomous District.-Atsushi Yoshida -- 10. Reindeer herding and environmental change in the Tompo District, Sakha Republic.- Atsushi Nakada -- 11. History of the transport infrastructure development in Yakutia.-Sardana I. Boyakova -- 12. Political economy of extreme events in Northern Finland.-Monica Tennberg, Terhi Vuojala-Magga, Joonas Vola, Heidi Sinevaara-Niskanen, Minna Turunen -- 13. Adaptation strategies for risk and uncertainty: The role of an interdisciplinary approach including natural and human sciences.- Makoto Okumura -- 14. Social adaptation to the changes of the terrestrial ecosystem in eastern Siberia, with an emphasis on water environments.-Tetsuya Hiyama.

Sommario/riassunto

This book describes the current environmental changes due to global warming in northern Eurasia, especially focusing on eastern Siberia. Spring flooding, ice-jam movements, and monitoring using remote sensing are included. Additionally, current reindeer herding of indigenous peoples in Siberia and related environmental changes such as waterlogging, rising temperatures, and vegetation changes are addressed. As a summary, the book also introduces readers to adaptation strategies at several governmental levels. The book primarily focuses on 1) introducing readers to global warming and human-nature dynamics in Siberia, with special emphasis on humidification of the region in the mid-2000s, and 2) describing social adaptation to the changing terrestrial ecosystem, with an emphasis on water environments. Adaptation strategies based on vulnerability assessments of environmental changes in northern Eurasia are crucial topics for intergovernmental organizations, such as the IPCC (Intergovernmental Panel on Climate Change). Thus, the book offers a valuable resource not only for environmental researchers but also for several stakeholders regarding global environmental change.
