1. Record Nr. UNINA9910299430903321

Titolo	Environmental Change and the Social Response in the Amur River Basin / / edited by Shigeko Haruyama, Takayuki Shiraiwa
Pubbl/distr/stampa	Tokyo : , : Springer Japan : , : Imprint : Springer, , 2015
ISBN	4-431-55245-6
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (266 p.)
Collana	International Perspectives in Geography, AJG Library, , 2197-7798 ; ; 5
Disciplina	333.709 551.41 551.48 910
Soggetti	Environmental geography Hydrology Geomorphology Environmental Geography Hydrology/Water Resources Amur River Watershed (China and Russia) Environmental conditions Amur River Watershed (China and Russia) Social conditions Amur River Watershed Amur-Gebiet
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Amur Region of Russia - Natural Resources, Population and Economy -- Land-cover Change and Climate Change Analysis of the Amur River Basin Using Remote Sensing Data -- Wetland and Flooding in the Amur River Basin -- Changes in Wetland and Floodplain Sedimentation Processes in the Middle Reach of the Amur River Basin -- Water Chemistry of the Middle Amur River -- Droughts in North Eurasia and Climate Warming: Regional Changes and Consequences -- Geographical Information System for the Amur River Basin -- Characteristics of Irrigation and Drainage Development on the Sanjiang Plain: A Case Study of State Farms -- Developments of Sino-Russo Timber Trade in the Amur River Basin, with Special Reference to the

Transition Period during 1995–2005 -- Development Process of Timber Harvesting in the Khabarovsk Region, Russian Federation -- Land-Use Dynamics in the Amur River Basin in the 20th Century: Main Tendencies, Driving Forces and Environmental Consequences.

Sommario/riassunto

This book features research on historical land use and land cover in the Amur River Basin, which are important not only for residents there but also for those affected by its material and water cycles. Land use and land cover are affected by natural and human interactions over long and short timescales. The authors address historical changes in the land cover analysis of the Amur. The Amur region of Russia, land cover change analysis of the Amur, wetland, and flooding of the Amur provide evidence of land cover change. Changes of wetland and floodplain sedimentation processes demonstrate the influences of land cover change on fluvial environment, which are discussed with geomorphology. Water chemistry is showing the physical dimension of the geography of the Amur. The development process of timber harvesting in the Khabarovsk area and land use dynamics in the twentieth century are important evidence of development. The Amur poses an essential question: how can we manage a transboundary watershed without disturbing terrestrial and marine ecosystems for future generations? This book provides essential information for geographers about this relatively unknown region.