

1. Record Nr.	UNINA9910299383803321
Titolo	Chinese Water Systems [[electronic resource] ] : Volume 1: Liaohe and Songhuajiang River Basins // edited by Yonghui Song, Beidou Xi, Yuan Zhang, Kun Lei, Richard Williams, Mengheng Zhang, Weijing Kong, Olaf Kolditz
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2018
ISBN	3-319-76469-1
Edizione	[1st ed. 2018.]
Descrizione fisica	1 online resource (XXIV, 398 p. 120 illus., 102 illus. in color.)
Collana	Terrestrial Environmental Sciences, , 2363-6181
Disciplina	363.728 628.4
Soggetti	Waste management Hydrology Geotechnical engineering Engineering geology Engineering—Geology Foundations Hydraulics Waste Management/Waste Technology Hydrology/Water Resources Geotechnical Engineering & Applied Earth Sciences Geoengineering, Foundations, Hydraulics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	1.Introduction -- 2.Management methods and demonstration on pollution load of Songhua-Liao-River-Basin -- 3.River health assessment, ecological restoration and management system -- 4. Management technology and strategy for environmental risk sources and persistent organic pollutants (POPs) in Liaohe River Basin -- 5. Groundwater sources identification and risk reduction management in the Songhua-Liao-River-Basin -- 6.Project management and dissemination. .

This book describes the huge efforts by the Chinese Government concerning the restoration and future sustainable management of Chinese water systems. It presents the results of a Sino-European joint project concerning the Songhuajiang-Liaohe River-Basin (SLRB) in Northeast China conducted by the Chinese Research Academy of Environmental Sciences (CRAES), the Helmholtz Centre for Environmental Research - UFZ, Germany, and the Natural Environment Research Council as represented by the Centre for Ecology and Hydrology (CEH), UK. The book explains in great detail the development of risk assessment and corresponding management methods for (i) controlling water pollution, (ii) assessing river health and ecological restoration options, (iii) characterizing persistent organic pollutants (POPs), and (iv) protecting fragile groundwater resources. It also describes the implemented demonstration sites of SLRB during the project course as well as lessons learnt on efficient project management and the dissemination of knowledge and technologies.

---