



## Rethinking Infrastructure Design for Multi-Use Water Services

By Cedo Maksimovic

Springer-Verlag GmbH Okt 2014, 2014. Taschenbuch. Book Condition: Neu. 23.5x15.5x cm. Neuware - As we approach a historic tipping point in the global trend toward urbanisation - within two decades urban dwellers will increase from 49% to 60% of the planet's population - this book identifies and addresses a critical problem: water. The editors show how cities can shift from being water consumers to resource managers, applying urban water management principles to ensure access to water and sanitation infrastructure and services; manage rainwater, wastewater, storm water drainage, and runoff pollution; control waterborne diseases and epidemics; and reduce the risk of such water-related hazards as floods, droughts and landslides. The book explores the Multiple-Use Water Services (MUS) paradigm, offering a section on the MUS approach and a means of calculating the value of MUS systems, as well as tools and resources to support decision-making. Case studies illustrate MUS in selected urban and rural contexts. Each case study breaks out the challenges, policy framework, benefits, benchmarks, lessons learned (success and failures) and potential next steps. The contributors consider the main options for applying the Multiple-Use Water Services (MUS) paradigm, breaking down its components and offering cost-benefit analyses along with challenges and considerations...



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