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Nota di contenuto	Chapter 1. Introduction -- Part 1. Concept and Application of Adaptive Water Management -- Chapter 2. Review of the main water management approaches over the last century -- Chapter 3. Conceptual Framework of Adaptive Water Management -- Part 2. Water management in Developing countries- an empirical study in the Middle East, Iran -- Chapter 4. Water management in developing countries: a case study of Iran -- Part 3. The Case Study- Background to Greater Tehran and Methods of Data Collection -- Chapter 5. The case study- background to Greater Tehran -- Chapter 6. The Case Study- Methods of Data Collection -- Part 4. Data Analysis Methodology- Evaluation of AWM framework -- Chapter 7. Data Analysis Methodology -- Chapter 8. Evaluation of polycentric governance -- Chapter 9. Evaluation of organisational flexibility -- Chapter 10. Evaluation of public participation -- Part 5. Conclusions and Recommendations -- Chapter 11. Review of the objectives

regarding AWM adaptation.

Sommario/riassunto

This book explores a new framework of Adaptive Water Management (AWM) for evaluating existing approaches in urban water management. It highlights the need to adopt multidisciplinary strategies in water management while providing an in-depth understanding of institutional interactions amongst different water related sectors. The key characteristics of AWM i.e. polycentric governance, organisational flexibility and public participation are investigated and described through a critical review of the relevant literature. The book presents an empirical case study undertaken in a selected developing-country city to investigate the potential gaps between the current water management approaches and possible implementation of AWM. Feasibility of AWM operations is examined in an environment surrounded by established water management structure with centralised governance and an institutional process based on technical flexibility. The key elements of AWM performance are (re)structured and transformed into decision support systems. Multi criteria decision models are developed to facilitate quantification and visualization of the elements derived from the case study, which is involved with water companies and water consumers. The book describes how the concept of AWM, along with structuring suitable decision support systems, can be developed and applied to developing-country cities. The book highlights the barriers for applying the AWM strategies that include established centralised decision making, bureaucratic interactions with external organisations, lack of organisational flexibility within the institutions, and lack of recognition of public role in water management. The findings outline that despite the lack of adaptability in the current water management in the case study, as an example of developing countries, there are positive attitudes among water professionals and the public towards adaptability through public-institutional participation. /p>
