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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Chapter 1 Understanding and managing urban water in transition (introduction) -- Part 1 Water supply and sanitation -- Chapter 2 How water services manage territories and technologies: history and current trends in developed countries -- Chapter 3 Coping with extraneous water in sewerage systems -- Chapter 4 Challenges for water supply

and sanitation in developing countries: case studies from Zimbabwe -- Chapter 5 The challenges of providing water and sanitation to urban slum settlements in South Africa -- Chapter 6 Integrating water quality into urban water management and planning while addressing the challenge of water security -- Chapter 7 The development of private bore-wells as independent water supplies: challenges for water utilities in France and Australia -- Chapter 8 Inter-basin transfers as a supply option: the end of an era? -- Chapter 9 Three engineering paradigms in the historical development of water services: more, better and cheaper water to European cities -- Chapter 10 Investing in the water infrastructure of tomorrow -- Part 2 Water demand and water economics.- Chapter 11 Long-term water demand forecasting -- Chapter 12 The use of non-pricing instruments to manage residential water demand: What have we learned? -- Chapter 13 The Social determinants of water consumption in Australian cities -- Chapter 14 Non-household Water Demand: the Industrial and Commercial Sectors -- Chapter 15 Integrating social aspects into urban water pricing: Australian and international perspectives -- Chapter 16 Does residential water use depend on water quality? Some answers from a French case study -- Chapter 17 A simulation model for understanding the consequences of alternative water and wastewater tariff structures: A case study of Fayoum, Egypt -- Chapter 18 Managing water variability issues -- Chapter 19 Volumetric Water Pricing, Social Surplus and Supply Augmentation -- Part 3 Water governance and integrated management -- Chapter 20 Governance and regulation of the urban water sector: Quoi de neuf? -- Chapter 21 Public-private partnerships and their ownership in the urban water sector -- Chapter 22 Issues of governance, policy and law in managing urban-rural and groundwater-surface water connections -- Chapter 23 Integrated management of urban water supply and water quality in developing Pacific Island countries -- Chapter 24 The "renaturation" of urban rivers: the case of the St Charles River in Quebec -- Chapter 25 Adapting to climate change in urban water management: flood management in the Rotterdam-Rijnmond area -- Chapter 26 Transboundary urban water: the case of Singapore and Malaysia -- Chapter 27 The opportunities and challenges of implementing 'water sensitive urban design': lessons from stormwater management in Victoria, Australia -- Chapter 28 How does energy efficiency affect urban water systems?.

Sommario/riassunto

This book examines changes and transitions in the way water is managed in urban environments. This book originated from a joint French-Australian initiative on water and land management held in Montpellier, France. The book delivers practical insights into urban water management. It links scientific insights of researchers with the practical experiences of urban water practitioners to understand and respond to key trends in how urban water is supplied, treated and consumed. The 51 contributors to the volume provide a range of insights, case studies, summaries and analyses of urban water and from a global perspective. The first section on water supply and sanitation includes case studies from Zimbabwe, France and South Africa, among others. Water demand and water economics are addressed in the second section of the book, with chapters on long-term water demand forecasting, the social determinants of water consumption in Australian cities, a study of water quality and consumption in France, governance and regulation of the urban water sector and more. The third section explores water governance and integrated management, with chapters on water management in Quebec, in the Rotterdam-Rijnmond urban area, in Singapore and in Australia. The final section offers perspectives on challenges and future

uncertainties for urban water systems in transition. Collectively, the diverse insights provide an important step forward in response to the challenges of sustainably delivering water safely, efficiently and equitably.
