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Nota di contenuto	Chapter 1. Sustainable Groundwater Management in France and Australia: Setting Extraction Limits, Allocating Rights and Reallocation -- Chapter 2. Groundwater in France: Resources, Use and Management Issues -- Chapter 3. Groundwater Policy in France: From Private to Collective Management -- Chapter 4. Groundwater Management Planning at the River Basin District Level: Comparative Analysis of the Adour-Garonne and Loire-Bretagne River Basins -- Chapter 5. Lessons from Twenty Years of Local Volumetric Groundwater Management: The case of the Beauce Aquifer, Central France -- Chapter 6. Groundwater in Australia: Occurrence and Management Issues -- Chapter 7. The Evolution of Groundwater Management Policy in the States of Australia -- Chapter 8. Developing a Coordinated Groundwater Management Plan for the Interstate Murray-Darling Basin -- Chapter 9. Information

Systems for Sustainable Management of Groundwater Extraction in France and Australia -- Chapter 10. The Challenge of Making Groundwater Visible: A Review of Communication Approaches and Tools in France -- Chapter 11. Conceptual Approaches, Methods and Models used to Assess Abstraction Limits for Unconfined Aquifers in France -- Chapter 12. Setting Sustainable Abstraction Limits in Confined Aquifers: Example from Deep Confined Aquifers in the Bordeaux Region, France -- Chapter 13. A tool to Determine Annual Groundwater Allocations in the Tarn-et-Garonne Alluvial Aquifer (France) -- Chapter 14. Conceptual Approaches, Methods and Models used to Assess Extraction Limits in Australia: From Sustainable to Acceptable Yield -- Chapter 15. Case Study: An Integrated Approach to Determining Sustainable Abstraction Limits in Perth's North West Urban Growth Corridor -- Chapter 16. Using Resource Condition Limits to Define Groundwater Management Objectives in the Barossa Valley, South Australia -- Chapter 17. Reducing Entitlements when Groundwater has been Over-allocated: Policy Issues and Options -- Chapter 18. Developing Substitution Resources as Compensation for Reduced Groundwater Entitlements: The Case of the Poitou Marshes (France) -- Chapter 19. New Approaches for Allocation Reductions and Groundwater Salinity Management in South Australia -- Chapter 20. Reducing Groundwater Entitlements in the Lower Murrumbidgee Groundwater Management Area -- Chapter 21. Development of Groundwater Markets in Australia: Insights from Victoria in the Murray Darling Basin -- Chapter 22. Groundwater Regulation, Compliance and Enforcement: Insights on Regulators, Regulated Actors and Frameworks in New South Wales, Australia -- Chapter 23. Compliance and Enforcement: the Achilles Heel of French Water Policy -- Chapter 24. The Role of Sectoral Policies to Restore Groundwater Balance: The Impact of Agricultural Policies on Irrigation Water Demand in France -- Chapter 25. Groundwater Management Lessons from Chile -- Chapter 26. California's 2014 Sustainable Groundwater Management Act – From the Back Seat to the Driver Seat in the (Inter)National Groundwater Sustainability Movement -- Chapter 27. Changing from Unrestricted access to Sustainable Abstraction Management Regimes: Lessons Learnt from France and Australia. .

Sommario/riassunto

This book describes and analyses the diversity of possible approaches and policy pathways to implement sustainable groundwater development, based on a comparative analysis of numerous quantitative management case studies from France and Australia. This unique book brings together water professionals and academics involved for several decades in groundwater policy making, planning or operational management to reflect on their experience with developing and implementing groundwater management policy. The data and analysis presented accordingly makes a significant contribution to the empirical water management literature by providing novel, real world insights unpublished elsewhere. The originality of the contributions also lies in the different disciplinary perspectives (hydrogeology, economics, planning and social sciences in particular) adopted in many chapters. The book offers a unique comparative analysis of France, Australia and experiences in countries such as Chile and the US to identify similarities, but also fundamental differences, which are analysed and presented as alternative policy options – these differences being mainly related to the role of the state, the community and market mechanisms in groundwater management.
