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water transfer in Canada -- Inter-basin water transfer in China -- India : the National River-Linking Project -- Inter-basin water transfer, successes, failures, and the future -- Appendix A : Some of the Australian pioneers of inter-basin water transfer -- Appendix B : Construction timetable of the Snowy Mountains Hydro-electric Scheme -- Appendix C : Details of diversion schemes from the Clarence River Basin -- Appendix D : Chronological table of the most important events in the Goldfields Pipeline Scheme, Western Australia -- Appendix E : Flooding of the Sahara depressions -- Appendix F : The Ord River Irrigation Scheme -- Appendix G : the West Kimberley Irrigation Scheme -- Appendix H : Some other water transfer schemes in Australia -- Appendix I : Selected technical features of the Central Valley Project in California -- Appendix J : Selected technical features of the State Water Project in California -- Appendix K : Selected characteristics of some of the completed or proposed inter-basin water transfer projects in Australia, United States, Canada, China, and India, in chronological order.

Sommario/riassunto

Increasing demands for irrigation, domestic and industrial water have generated a massive growth world-wide in the number of large water infrastructure projects involving the transfer of water from basins considered to have surplus water to those where the demand for water has exceeded or is expected to exceed supplies. Using the experiences of projects in Australia, United States, Canada, China and India, this book examines case studies within the diverse geographical, climatic, economic, and policy regimes operating in these countries. It examines the water resources of Australia, the driest inhabited continent, and explores inter-basin water transfer projects in the United States, Canada, China and India, examining their benefits and impacts within these nations' contrasting economies and governance systems. This comprehensive and well-illustrated text will be of great interest to professionals and researchers in the fields of hydrology, water resources, and to those engaged in environmental science, policy and regulation.
