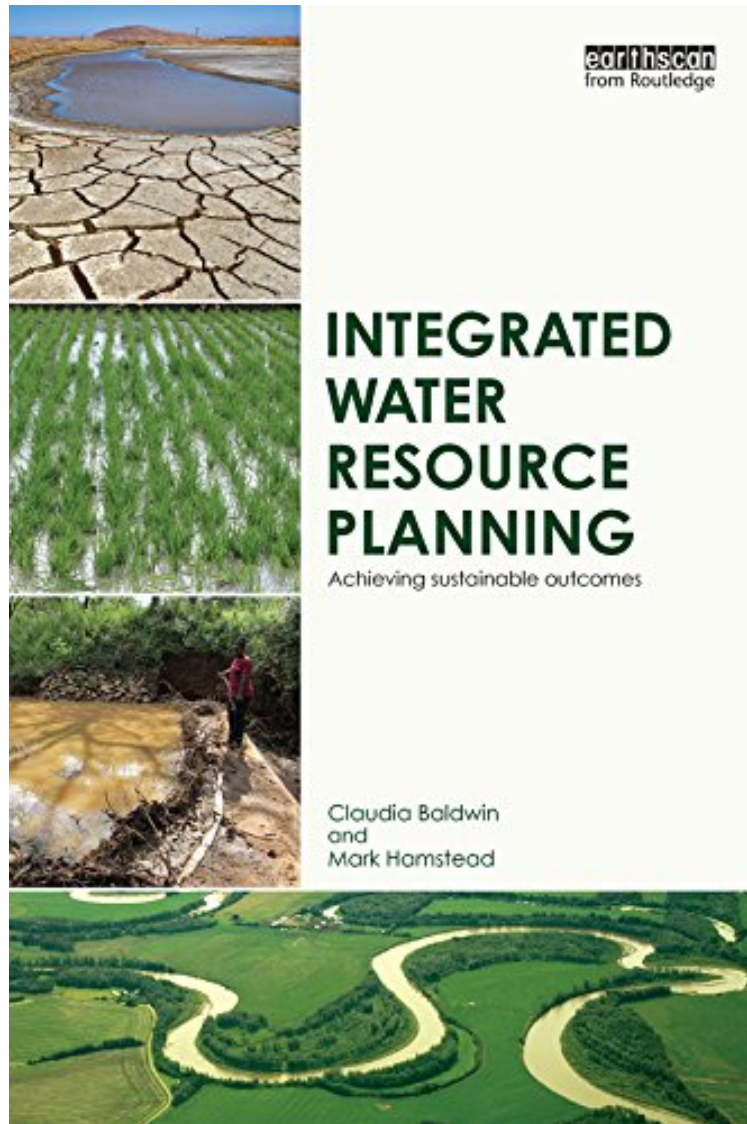


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Integrated Water Resource Planning: Achieving Sustainable Outcomes

Claudia Baldwin, Mark Hamstead

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Claudia Baldwin, Mark Hamstead : Integrated Water Resource Planning: Achieving Sustainable Outcomes before purchasing it in order to gauge whether or not it would be worth my time, and all praised Integrated Water Resource Planning: Achieving Sustainable Outcomes:

Integrated Water Resource Planning provides practical, evidence-based guidance on water resource planning. In a time

of heightened awareness of ecosystem needs, climate change, and increasing and conflicting demands on resources, water professionals and decision-makers around the world are on a steep learning curve. This book presents an international examination of water reform experiences, and provides lessons in how to manage environmental uncertainties, long term management, and increase in demand. It breaks the process down into a series of common steps, applies program logic and evaluation theory, and discusses best practices in assessment, decision making and community engagement. Importantly it recognises the large variation in available knowledge and capacity, risk and scale, and discusses a range of approaches that can be used for different circumstances. The book will fill in the gaps for professionals in interdisciplinary teams including sociologists, hydrologists, engineers, ecologists, and community consultation specialists, by providing a basic grounding in areas outside their usual expertise, and will provide ammunition to community stakeholders in their quest to ensure that water planning outcomes are justified and justifiable. Case studies provide an understanding of the context, practical tools and implementation techniques for achieving sustainable outcomes, and the multi-disciplinary approach and insights offered in this book will be transposable and instructive for water professionals worldwide.

"Integrated Water Resources Management (IWRM) has, for many years been rolled out as the panacea for the many challenges of water scarcity and security faced by individuals and by communities globally. Instead of adding another tome to the IWRM pile, the authors tackle the issue of planning, building on their wealth of real experience of conflict and hard decision-making, much from Australia, but with contributions globally. And this focus on planning, on actions and outputs, and on knowing the outcomes desired is the key take home message and value of the book. Developed step-by-step, working through the planning cycle with communities and supported by examples, this provides real insight, instruction and guidance to effective delivery of IWRP." Professor Chris J Spray MBE, Chair of Water Science and Policy, UNESCO Centre for Water Law, Policy Science, University of Dundee. "This book provides practical guidance for the implementation of integrated water resource planning. The authors draw on their outstanding policy and planning experience and embed Australian and international case studies throughout the text to integrate and synthesise approaches to water planning in Australia and overseas. This book is a timely aid to achieving the three goals of economic efficiency, social equity and environmental sustainability in water planning. The holistic view and clear expression will appeal to a wide audience, especially water planning practitioners, but also teachers, students, researchers, community members, and water users in general." Professor Kathleen Bowmer, Charles Sturt University and Research Fellow, CSIRO Land and Water "Water is central to economic development, environmental sustainability and individual livelihoods. Yet, as the authors of this book point out, access to water is becoming increasingly constrained in many parts of the world because of population growth, increasing living standards and, in many places, the effects of climate change. Systematically planning for people's rights to access water will become increasingly important as water becomes scarcer. Australia has been at the forefront of international water management for the last decade. This book draws upon the authors' experience in Australian water planning to provide a highly practical guide to water planning. The authors have broken the planning process up into six steps, from inception to monitoring and review, with the overall process embedded in best international practice. They provide a wide variety of options and techniques that can be employed at each step, with practical examples from Australia, Africa, Europe and North America. I would recommend this book to all water managers who have to deal with the allocation of water in the face of scarcity. It provides a solid framework grounded in practical experience. It will also be a valuable guide to teachers and lecturers needing to illustrate both the theory of planning and practical issues and methods to students." Richard Davis

About the Author Claudia Baldwin lectures in regional and urban planning at the University of Sunshine Coast, researching in social, institutional issues, governance and collaborative processes in water, coastal and land-use planning and management. Where possible, she uses interactive and visual research techniques. She has more than 30 years experience in policy, planning and management positions in Queensland government, Great Barrier Reef Marine Park Authority, and as a consultant overseas and in Australia. Mark Hamstead is a respected water resource policy and management specialist with 29 years experience. He provides advice and analysis to government agencies and the private sector. His areas of expertise include water policy and legislation, water planning and management, water entitlements, water trading, water accounting, water resource assessment and water usage metering and monitoring. In recent years Mark has prepared, or been a major contributor to, a range of reports for Australian water authorities including such things as water planning, water trading and managing water for environmental outcomes. Prior to becoming a consultant in 2005 Mark worked for many years in government water agencies in Australia.