

Advances in Groundwater Governance

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This book captures the complex dimensions of groundwater governance, and is written by a team of leading experts worldwide with diverse backgrounds. It provides crucial and topical information for enhancing and safeguarding the huge benefits accruing from groundwater to humanity, and for preventing degradation of groundwater resources and of the interconnected ecosystems and environment. It also focuses on the increasingly important linkages between groundwater and other resources and sectors, and between local groundwater systems and phenomena or action at the international or even global level. A number of case studies illustrate groundwater governance in practice.

KEY FEATURES

- Presents state-of-the-art knowledge provided by leading experts
- Takes into account the large variations in conditions, issues and societal contexts around the world
- Discusses the multiple roles that groundwater and the subsurface domain have in societal welfare and environmental sustainability
- Provides theory, conceptual frameworks, inspiration, and valuable guidance from collective experience to those interested in improving groundwater governance.

BOOK SECTIONS

- Setting the scene: including definition, evolution, as well as socio-ecological and policy context
- Key elements of groundwater governance: including participation, leadership, legal frameworks, information, cooperation, conflict resolution, integrity, capacity development, economic instruments, awareness, transparency, political support, and accountability
- Integration and policy linkages beyond the local groundwater system: such as resource assessment, equity and health, land use, food, energy, surface water, transboundary aquifers and the subsurface space
- Cases and practical experience from around the world: the Great Artesian Basin (Australia), the Indus-Ganges Basin (India), the EU, USA, Tosca-Molopo (South Africa), the Middle East, Guaraní Aquifer (South America), Mexico city (Mexico) and São Paulo (Brazil).

This book is a 'must' for anyone interested in groundwater governance!

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