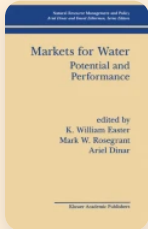


Home > [Markets for Water](#) > Chapter

Meeting Water Needs in Developing Countries: Resolving Issues in Establishing Tradable Water Rights

| Chapter


| pp 35–50 | [Cite this chapter](#)



Markets for Water

[Mateen Thobani](#)

 Part of the book series: [Natural Resource Management and Policy](#). ((NRMP,volume 15))



 352 Accesses

Abstract

Recent approaches to meet the growing water demand have focused on voluntary mechanisms to conserve water and to reallocate it among competing uses rather than on developing new sources. They have also focused on alternative ways to finance the operations and management of existing infrastructure and the construction of new infrastructure. These approaches, referred to here as “market-based instruments for water management,” may be divided into three categories: pricing policies, informal water markets, and formal water markets.

While proponents recognize that such approaches will not resolve all water problems, they believe that they have many advantages over administrative mechanisms.

Another version of this article appeared in the 1997 *World Bank Research Observer*, 12(2):161–79. The author would like to acknowledge useful comments sent by Lorena Alcazar, Ariel Dinar, K. William Easter, Karin Kemper, Larry Simpson and Ashok Subramanian.

 This is a preview of subscription content, [log in via an institution](#)  to check access.

Access this chapter

Log in via an institution →

Chapter

EUR 29.95

Price includes VAT (Poland)

- Available as PDF
- Read on any device
- Instant download
- Own it forever

Buy Chapter →

eBook

EUR 117.69

Price includes VAT (Poland)

- Available as PDF
- Read on any device
- Instant download
- Own it forever

Buy eBook →

Softcover Book

EUR 160.49

Price includes VAT (Poland)

- Compact, lightweight edition
- Dispatched in 3 to 5 business days
- Free shipping worldwide - [see info](#)

Buy Softcover Book →

Hardcover Book

EUR 160.49

Price includes VAT (Poland)

- Durable hardcover edition
- Dispatched in 3 to 5 business days
- Free shipping worldwide - [see info](#)

Buy Hardcover Book →

Tax calculation will be finalised at checkout

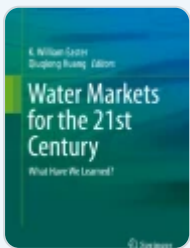
Purchases are for personal use only

[Institutional subscriptions](#) →

Preview

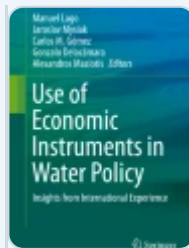
Unable to display preview. [Download preview PDF.](#)

Similar content being viewed by others



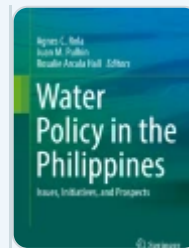
Water Markets: How Do We Expand Their Use?

Chapter | © 2014



Unbundling Water Rights as a Means to Improve Water Markets in Australia's Southern Connected Murray...

Chapter | © 2015



Laws, Institutional Arrangements, and Policy Instruments

Chapter | © 2018

References

Hearne, Robert R., and K. William Easter. 1995. *Water Allocation and Water Markets: An Analysis of Gains-from-Trade in Chile*. World Bank Technical Paper No. 315. World Bank, Washington, D.C.

[Google Scholar](#)

Holden, Paul, and Mateen Thobani. 1995. "Tradable Water Rights: A Property Rights Approach to Improving Water Use and Promoting Investment," *Cuadernos*

de Economía. No. 97. (December), p. 263–289.

[Google Scholar](#)

Kemper, Karin, Yarley Goncalves and William Brito. 1996. *Water Resources Allocation and Use in the Cariri Valley-Ceará, Northeast Brazil*. Linköping University, Linköping, Sweden.

[Google Scholar](#)

Meinzen-Dick, Ruth. 1996. *Groundwater Markets in Pakistan: Participation and Productivity*, IFPRI Research Report 105. International Food Policy Research Institute, Washington, D.C.

[Google Scholar](#)

Pakistan Water and Power Development Authority. 1990. "Trading of Canal and Tubewell Water for Irrigation Purposes." P&I Publications 358 (December).

[Google Scholar](#)

Pigram, John J., Robert J. Delforce, Michelle L. Coelli, Vol Norris, George Antony, Raymond L. Anderson, and Warren Musgrave. 1993. "Transferable Water Entitlements in Australia," Report to the Land and Water Resources Research and Development Corp, Center for Water Policy Research, Armidale, Australia.

[Google Scholar](#)

Rios, Monica, and Jorge Quiroz. 1995. "The Market for Water Rights in Chile: Major Issues," *Cuadernos de Economía*, No. 97. (December), p. 317–345.

[Google Scholar](#)

Rosegrant, Mark W., and Renato Gazmuri Schleyer. 1995. "Reforming Water Allocation Policy through Markets in Tradable Water Rights: Lessons from Chile,

Mexico and California," *Cuadernos de Economia*. No. 97. (December), p. 291–315.

[Google Scholar](#)

Saleth, R. Maria. 1996. *Water Institutions in India: Economics, Law and Policy* Institute of Economic Growth. Commonwealth Publishers, New Delhi, India.

[Google Scholar](#)

Shah, Tushaar. 1991. "Managing Conjunctive Water Use in Canal Commands: Analysis for Mahi Right Bank Canal, Gujarat." In Ruth Meinzen-Dick and Mark Svendsen (eds.), *Future Directions for Indian Irrigation*. International Food Policy Research Institute, Washington, D.C.

[Google Scholar](#)

Tarrech, Ramón, Manuel Marino, and Glen Zwicker. 1994. "The Siurana-Riudecanyes Irrigation Subscribers Association and Water Market System." Draft Mimeo.

[Google Scholar](#)

World Bank. 1994. *Peru: A User-Based Approach to Water Management and Irrigation Development*. Report Number 13642-PE. World Bank, Washington, D.C.

[Google Scholar](#)

World Bank. 1993. *Water Resources Management, A World Bank Policy Paper*. World Bank, Washington, D.C.

[Google Scholar](#)

Author information

Authors and Affiliations

The World Bank, Washington, 1818 H. St. N.W. D.C., 20433

Mateen Thobani (Principal Economist)

Editor information

Editors and Affiliations

University of Minnesota, USA

K. William Easter

International Food Policy Research Institute, USA

Mark W. Rosegrant

The World Bank, USA

Ariel Dinar

Rights and permissions

[Reprints and permissions](#)

Copyright information

© 1998 Kluwer Academic Publishers

About this chapter

Cite this chapter

Thobani, M. (1998). Meeting Water Needs in Developing Countries: Resolving Issues in Establishing Tradable Water Rights. In: Easter, K.W., Rosegrant, M.W., Dinar, A. (eds) Markets for Water. Natural Resource Management and Policy, vol 15. Springer, Boston, MA. https://doi.org/10.1007/978-0-585-32088-5_3

[.RIS↓](#) [.ENW↓](#) [.BIB↓](#)

Online ISBN

eBook Packages

978-0-585-32088-5

Springer Book Archive

Publish with us

Policies and ethics 

Search

Search by keyword or author



Navigation

Find a journal

Publish with us

Track your research
