# Table of Contents

**Requirements for Adaptive Water Management**................................. 1  
Claudia Pahl-Wostl

**Eco-Complexity and Sustainability in China’s Water Management**.. 23  
Rusong Wang, Feng Li

**Integrated, adaptive and domanial water resources management**.....39  
Bruce A. Lankford

**Can adaptive management help us embrace the Murray-Darling Basin’s wicked problems?** .......................................................... 61  
Catherine Allan

**The NeWater Management and Transition Framework**  
- state and development process – .....................................................75  
Claudia Pahl-Wostl, Jörn Möltgen, Eva Ebenhoeh, Georg Holtz

**Groundwater protection in urban areas incorporating adaptive groundwater monitoring and management - Reconciliation of water engineering measures along rivers** ........................................97  
Jannis Epting, Christian Regli, Peter Huggenberger

**Adaptability of International River Basin Regimes:**  
**Linkage Problems in the Rhine** .................................................... 125  
Tun Myint

**Institutional elements for adaptive water management regimes.**  
**Comparing two regional water management regimes in the Rhine basin** ......................................................................................... 147  
Sabine Möllenkamp, Machiel Lamers, Eva Ebenhöh
Table of Contents

Intellectual history and current status of Integrated Water Resources Management: A global perspective.......................... 167
   Farhad G. Mukhtarov

A broadened view on the role for models in natural resource management: Implications for model development...................... 187
   Marcela Brugnach, Claudia Pahl-Wostl

Deliberation, negotiation and scale in the governance of water resources in the Mekong region........................................... 205
   Louis Lebel, Po Garden

Enhancing the Potential for Integrated Water Management in New Zealand through Adaptive Governance............................ 227
   Brett Painter, Ali Memon

How Social Networks Enable Adaptation to System Complexity and Extreme Weather Events.......................................... 249
   Raul Lejano, Helen Ingram

Managing flood risk in the urban environment: linking spatial planning, risk assessment, communication and policy .................. 263
   Berry Gersonius, Chris Zevenbergen, Sebastian van Herk

Benchmarking in Dutch Urban Water Management: An Assessment............................................................................... 277
   Pieter W.G. Bots

Adapting scale use for successful implementation of Cyclic Floodplain Rejuvenation in the Netherlands.............................. 301
   Heleen Vreugdenhil, Jill Slinger, Emiel Kater

Current and future impacts of climate change on river runoff in the Central Asian river basins............................................ 323
   Andre G. Savitskiy, Maja Schlüter, Raisa V. Taryannikova, Natalya A. Agaltseva, Viktor E. Chub

Adaptive and Integrated Management of Wastewater and Storm Water Drainage in Kolkata – Case Study of a Mega City .......... 341
   Shivashish Bose
# Table of Contents

<table>
<thead>
<tr>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>About Ways for Improvement of Water Use in Irrigation of Uzbekistan</td>
<td>357</td>
</tr>
<tr>
<td>Yulia I. Shirokova, Alexander N. Morozov</td>
<td></td>
</tr>
<tr>
<td>Participatory assessment of water developments in an atoll town</td>
<td>381</td>
</tr>
<tr>
<td>Magnus Moglia, Pascal Perez</td>
<td></td>
</tr>
<tr>
<td>Criteria for the Assessment of Planning Processes for Sustainable</td>
<td>405</td>
</tr>
<tr>
<td>River Basin Management</td>
<td></td>
</tr>
<tr>
<td>Beatrice Hedelin</td>
<td></td>
</tr>
<tr>
<td>Portfolio optimisation of water management investments</td>
<td>423</td>
</tr>
<tr>
<td>Oswald Marinoni, Andrew Higgins, Stefan Hajkowicz</td>
<td></td>
</tr>
<tr>
<td>Index</td>
<td>439</td>
</tr>
</tbody>
</table>
Adaptive and Integrated Water Management
Coping with Complexity and Uncertainty
Pahl-Wostl, C.; Kabat, P.; Möltgen, J. (Eds.)
2008, XIII, 440 p., Hardcover
ISBN: 978-3-540-75940-9