

Supplementary Material CEE11-006. List of articles excluded at full text

| Author | Title | Year | Exclusion Codes Language = 1 Geography = 2 Subject = 3 Outcomes = 4 | Reason for Exclusion. |
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| | Gender and Water Alliance Annual Report, International Water and Sanitation Center: Chapter 4 | 2003 | 4 | Overview style report. No research on outcomes. |
| | Status Report on Integrated Water Resources Management and Water Efficiency Plans, UN Water | 2008 | 4 | Primary data collected to assess the extent to which IWRM has been implemented. A number of brief case studies are provided that provide evidence of tangible outcomes. Where additional published details are available for these case studies, these have been sought and assessed separately. None of the cases were included as the source documents were brief and descriptive or could not be located from the information provided in the main report. |
| Abbas, M. M. | Towards Hydropolitical Cooperation in the Nile Basin: Assessment of Joint Integrated Water Projects between Sudan and Ethiopia to Transform Conflicts | 2006 | 4 | Study of 'potential' benefits and advantages of increased or improved cooperation between Sudan and Ethiopia. While there is primary evidence from expert interviews these do not represent empirical evidence about the performance of current institutional mechanisms. |
| Abbink, K., L. C. Moller, et al. | "Sources of Mistrust: An experimental case study of a Central Asian water conflict | 2010 | 4 | Modelling which uses empirical data to inform different scenarios. |

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| Abdalla, K. M. E. H. | "Institutional and legal arrangements in the Nile river basin: suggestions to improve the current situation toward adaptive integrated water resources management | 2008 | 4 | This report is excluded because there are no outcomes: mainly a literature review, not clear that primary empirical evidence was collected; No clear outcomes were assessed. This article is deductive and seeks to trace the indicators of Adaptive IWRM using a descriptive form of comparative research. |
| Abderrahman, W. A. | "Application of Islamic legal principles for advanced water management | 2000 | 4 | The data cited in this article is from a secondary source - this is not primary research. |
| Abdullaev, I. and U. Shah | "Community water management in northern Afghanistan: Social fabric and management performance | 2011 | 3(I) | Irrigation system focus rather than wider issues of WRM. |
| Abdullaev, I., J. Kazbekov, et al. | "Adoption of integrated water resources management principles and its impacts: lessons from Ferghana Valley | 2009 | 3(I) | Focus on irrigation rather than WRM. Benefits derived within the system not for wider water resource management. |
| Mehari, A., Steenbergen, F. and Schultz, B., | "Water Rights and Rules, and Management in Spate Irrigation Systems in Eritrea, Yemen and Pakistan | 2007 | 3(I) | This paper examines spate irrigation in detail but this is not clearly linked to wider WRM issues. |
| Abukhater, A. | "On the cusp of water war: A diagnostic account of the volatile geopolitics of the middle east | 2010 | 4 | No primary research related to outcomes. |

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| Abu-Zeid, M. A. and F. Z. El-Shibini | "Egypt's High Aswan Dam | 1997 | 4 | Overview of key benefits of Aswan Dam. No empirically derived outcomes traced to institutional performance. |
| Adams, W. M. | "INDIGENOUS USE OF WETLANDS AND SUSTAINABLE DEVELOPMENT IN WEST-AFRICA | 1993 | 4 | No primary research. |
| ADB | "Bringing Water to the Poor: Selected ADB Case Studies | 2004 | 3 (S) | Water supply and sanitation. |
| ADB | "Floods and the Poor: Reducing the Vulnerability of the Poor to the Negative Impacts of Floods | 2004 | 4 | Information and overview of flood management policy. |
| ADB | "Impact of Water on the Poor | 2004 | 3(S) | Water Supply and Sanitation Projects |
| ADB | "The Water and Poverty Initiative: What We Can Learn and What We Must Do | 2004 | 3(S) | Impact evaluation of water supply and sanitation project. This is outside the topic scope of the review. |

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| ADB | "Water and Poverty: Fighting Poverty through Water Management | 2004 | 4 | Overview/review style document highlighting experience in water management and poverty. No evidence-based outcomes linked to institutional performance presented. |
| ADB | "Water and Poverty: The Realities: Experiences from the Field | 2004 | | Collection of cases studies related to water and poverty. Case studies have been excluded on the basis of topic (e.g. water supply, sanitation and watershed development are outside the scope of this report). The remaining studies either look at potential outcomes or benefits or do not trace institutional performance through to pro-poor or SEG outcomes. The case study on empowering in Bangladesh describes poverty reduction as a result of this intervention. There is no clear primary data here and it is difficult to distinguish the impact from other processes occurring in the same area e.g. transport. |
| ADB | "GWANET - Gender and Water in Central Asia Network, Project Completion Report | 2008 | 4 | Details a project involved in raising awareness and capacity related to gender in water resources management. Does not address the 'outcomes' (other than project achievements) in terms of pro-poor or SEG criteria. |
| Ahmad, M. U. D., M. Giordano, et al. | "At what scale does water saving really save water? Lessons from the use of resource conservation technologies in Pakistan | 2007 | 4 | Summary of 2 year project in the Karkheh River Basin, Iran. Most of the information is hydrological water use and water productivity of crops in the Basin. There is some description of poverty and institutional mechanisms. The paper does not address the factors that determine institutional performance and observed outcomes. |
| Alam, N. and T. N. Olsthoorn | Institutional Innovations for Poverty Eradication: Optimization in Water Resources Projects and Agricultural Policies in the Indus Basin, Pakistan | 2008 | | NO ACCESS |

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| Alam, U., O. Dione, et al. | "The benefit-sharing principle: Implementing sovereignty bargains on water | 2009 | 4 | Excluded after team review. No clear outcomes. |
| Al-Hmoud, R. B. and J. Edwards | "Water poverty and private investment in the water and sanitation sector | 2005 | 4 | Modelling exercise based on two secondary datasets. This is excluded on the basis that this is not primary empirical research linking the performance of institutional mechanisms to outcomes. |
| Allan, J. A., A. Turton, et al. | Policy Options for Water-Stressed States: Building Lessons from the Middle East and Southern Africa into Decision Support for Policy Makers | 2003 | | BOOK |
| Al-Zu'bi, Y. A., A. A. Zyuod, et al. | "Macroeconomic policy and water pricing impacts on the water consumption: The case of Jordan | 2008 | | NO ACCESS |
| Ambastha, K., S. A. Hussain, et al. | "Resource dependence and attitudes of local people toward conservation of Kabartal wetland: A case study from the Indo-Gangetic plains | 2007 | 3 | The objective of this paper is to assess the general conservation status and threats to a wetland. This paper does not address questions of institutional performance. |
| Anand, P. B. | "Capability, Sustainability, and Collective Action: An Examination of a River Water Dispute | 2007 | 4 | No empirically derived outcomes related to institutional performance are presented in this paper. The research addresses the development of a conceptual framework and emphasises the role of 'identity' in river disputes. |

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| Ananda, J., L. Crase, et al. | "A preliminary assessment of water institutions in India: An institutional design perspective | 2006 | 4 | Wide-ranging review of water management institutions in India but no primary empirical research presented and no outcomes addressed. |
| Anderson White, T. and C. Ford Runge | "The emergence and evolution of collective action: Lessons from watershed management in Haiti | 1995 | 3 | Watershed Development is outside the scope. Sent for wider team review to confirm exclusion. |
| Aoki, C., A. Al-Lami, et al. | "Lessons learned from environmental management of the Iraqi marshlands in the post-conflict period | 2011 | 4 | Describes the lessons learned and experiences of a wetland rehabilitation project in Iraq. The outcomes described are either not related to water resources management (the project component related to drinking water provision) or are technical in nature (for example the identification of water quality issues in the Main Drain) and do not fall under the definitions of pro-poor or sustainable economic growth given in the Protocol. |
| Araral, E. | "Improving effectiveness and efficiency in the water sector: institutions, infrastructure and indicators | 2010 | 4 | Introductory paper for a special edition of Water Policy. Overview of papers in the edition. |
| Araral, E., Jr. | "What Explains Collective Action in the Commons? Theory and Evidence from the Philippines | 2009 | 4 | Paper does not address WRM related outcomes. It looks at WR status as a factor in cooperative action but not the other way around. Sent for wider team review to confirm. |
| Archdale, S. J. | "The sustainable management of Tonle Sap in Cambodia | 2004 | | NO ACCESS |

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| Arifin, B. | "Transaction cost analysis of upstream-downstream relations in watershed services: Lessons from community-based forestry management in Sumatra, Indonesia | 2006 | 3 | The central themes of this paper are forestry management rather than water resources management. |
| Armitage, R. M., W. L. Nieuwoudt, et al. | "Establishing tradable water rights: Case studies of two irrigation districts in South Africa | 1999 | 3(I) | Too irrigation focused rather than WRM. Paper reviewed by whole team to confirm. |
| Bakker, M. and Y. Matsuno | "A framework for valuing ecological services of irrigation water: A case of an irrigation-wetland system in Sri Lanka | 2001 | 3 | Does not address the performance of institutional mechanisms and link this to outcomes. |
| Balint, B. E., I. Forkutsa, et al. | Indicators for the Measurement of Institutional Performance Concerning Water Management | 2002 | 4 | No primary research related to outcomes. |
| Banks, D. | "Potable water strategies in southern Mudug, Somalia, with special reference to the local economics of motorised borehole systems for watering nomadic livestock | 2008 | 3(S) | Addresses water supply and is therefore outside the scope of the review. |
| Barbara van Koppen, M. G., John Butterworth and Everisto Mapedza | "Community-based Water Law and Water Resource Management Reform in Developing Countries: Rationale, Contents and Key Messages | 2007 | 4 | Introductory chapter reviewing key messages of the volume. |

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| Barron, J. and S. Noel | "Valuing soft components in agricultural water management interventions in meso-scale watersheds: A review and synthesis | 2011 | 4 | Review paper and synthesis. No primary research. |
| Bauer, C. J. | "Results of Chilean water markets: Empirical research since 1990 | 2004 | 4 | Literature Review |
| Bewket, W. | "Soil and water conservation intervention with conventional technologies in northwestern highlands of Ethiopia: Acceptance and adoption by farmers | 2007 | 3 | The paper is predominantly about soil conservation to prevent soil erosion rather than water resource management as per the definition in the Protocol. |
| Bhandari, B. S. and M. Grant | "Analysis of livelihood security: A case study in the Kali-Khola watershed of Nepal | 2007 | 3 | Paper addresses livelihood security within a watershed. Not about water resources management. |
| Bill Derman, A. H., Emmanuel Manzungu, Pinimidzai Sithole and Rose Machiridza | " Intersections of Law, Human Rights and Water Management in Zimbabwe: Implications for Rural Livelihoods | 2007 | 3 | Water for drinking and gardens rather than wider water resource management as defined in the Protocol. |
| Birkenholtz, T. | "Contesting expertise: The politics of environmental knowledge in northern Indian groundwater practices | 2008 | 4 | Interesting paper but outcomes are not related to poverty or sustainable economic growth. |

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| Biswas, A. K. | "Cooperation or conflict in transboundary water management: case study of South Asia | 2011 | 4 | No primary research on the outcomes of institutional mechanisms for water resource management. Broad overview of situation in Bhutan and Nepal. Opinion piece. |
| Blanco, J. | "Integrated water resource management in Colombia: Paralysis by analysis?" International Journal of Water Resources Development 24 | 2008 | 4 | No primary research on the outcomes of institutional mechanisms for water resource management. Broad overview. |
| Blomquist, W., A. Dinar, et al. | Comparison of institutional arrangements for river basin management in eight basins | 2005 | 4 | This is a highly relevant paper with a sophisticated theoretical framework to consider stakeholder participation and decentralisation in water resource management. However, this is a summary and review/comparison paper. Find source material to include in review. |
| Bluemling, B., H. Yang, et al. | "Adoption of agricultural water conservation practices - a question of individual or collective behaviour? The case of the North China Plain | 2010 | 3 | Shows outcomes of water savings but does not trace to institutional mechanisms. |
| Bouma, J. A., T. W. Biggs, et al. | "The downstream externalities of harvesting rainwater in semi-arid watersheds: An Indian case study | 2011 | 4 | Secondary data and a modelling approach. |
| Braga, B. P. F. | The role of regulatory agencies in multiple water use | 2003 | | NO ACCESS |

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| Braga, B. P. F., C. Strauss, et al. | "Water charges: Paying for the commons in Brazil | 2005 | 4 | Description of institutional reforms. No assessment of outcomes. |
| Briscoe, J. | "Managing water as an economic good: Rules for reformers | 1997 | 4 | Outlines a framework and provides some brief case overviews to support arguments. No primary data. |
| Brochmann, M. and P. R. Hensel | "The Effectiveness of Negotiations over International River Claims | 2011 | 4 | No primary research - uses existing datasets. |
| Brown, C. and P. Watson | "Decision support systems for environmental flows: Lessons from Southern Africa | 2007 | 4 | Primary research is drawn from another study. Provides an overview of factors in the form of a review/opinion piece. |
| Brown, J. | "Assuming too much? Participatory water resource governance in South Africa | 2011 | 4 | Addresses the processes of water management and challenges many assumptions about participation. Does not empirically assess outcomes of water management. |
| Browning-Aiken, A., B. Morehouse, et al. | "Climate, water management, and policy in the San Pedro Basin: results of a survey of Mexican stakeholders near the U | 2007 | 4 | Surveys conducted address concerns and perceptions about water quality, and usability of hydrological data. There are no outcomes identified that are traced to institutional mechanisms. The study concludes with a number of reflections on infrastructure and current institutions. |

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| Brunner, N., A. Lele, et al. | "Water sector reform policy of India: Experiences from case studies in Maharashtra | 2010 | 3 (S) | Paper addresses reforms related to rural water supply rather than water resources management as outlined in the protocol. |
| Budds, J. | "Contested H2O: Science, policy and politics in water resources management in Chile | 2009 | 4 | Borderline case, excluded on outcomes. Methods and evidence are very solid, but only really support the critique of how the groundwater shortage was dealt with by the Chilean agency (DGA) – it is clear that it was overly technical and blind to relevant social issues, and was framed as such for particular political reasons. But the paper falls short of showing the outcome of that inadequate response by DGA to overexploitation and conflict – on p.426 it hints that DGA might have increased power inequality, but on p.427 it shows that DGA assessment actually allowed for claims from all actors to be considered. So, really not much evidence, and what is there seems inconclusive. |
| Buechler, S. and G. D. Mekala | "Local Responses to Water Resource Degradation in India: Groundwater Farmer Innovations and the Reversal of Knowledge Flows | 2005 | 3 | Documents farmer responses to increasing degradation of water resources as a result of industrial and urban pollution. |
| Bues, A. | Agricultural Foreign Direct Investment and Water Rights: An Institutional Analysis from Ethiopia | 2011 | 3(I) | No outcomes outside the irrigation system therefore excluded on topic (irrigation). |
| Burke, J. J. | "APPROACHES TO INTEGRATED WATER-RESOURCE DEVELOPMENT AND MANAGEMENT - THE KAFUE BASIN, ZAMBIA | 1994 | 4 | Paper addresses the paucity of hydrological data and the use of this data. However there are no outcomes assessed. |

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| Burt, M. and B. J. Keiru | "Strengthening post-conflict peacebuilding through community water-resource management: case studies from Democratic Republic of Congo, Afghanistan and Liberia | 2011 | 4 | Overview of 3 case studies conducted by TearFund. This paper is excluded on the basis of no primary research however 1 of the three cases should be traced to the original source material for review. 2 of the cases would be excluded as they are WASH rather than WRM. |
| Cai, X. | "Water stress, water transfer and social equity in Northern China—Implications for policy reforms | 2008 | 4 | Literature Review and policy discussion. No primary research. |
| Cai, X., Y. C. E. Yang, et al. | "Agricultural water productivity assessment for the Yellow River Basin | 2011 | 3 | Develops maps of water productivity or irrigated and rain-fed agriculture in the Yellow River Basin. There is no studies link to institutional mechanisms. |
| Calder, I., A. Gosain, et al. | "Watershed development in India | 2008 | 4 | Reviews two existing cases - refer to original case study material. |
| Calder, I., J. Amezaga, et al. | "Forest and water policies: The need to reconcile public and science perceptions | 2004 | 4 | Literature Review - No primary research linked to institutional mechanisms and outcomes. |
| Calow, R. C., A. M. MacDonald, et al. | "Ground water security and drought in Africa: Linking availability, access, and demand | 2010 | 4 | Overview/review style paper drawing on the literature and from a case study in Ethiopia. Looks at the impacts of droughts but does not assess outcomes traced to institutional mechanisms. |

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| Calow, R. C., S. E. Howarth, et al. | "Irrigation development and Water Rights Reform in China | 2009 | 4 | Review style paper. No outcomes assessed through primary research. |
| Campbell, I. C. | "Perceptions, data, and river management: Lessons from the Mekong River | 2007 | 4 | Addresses the mis-match between water manager perceptions and data. Does not trace institutional performance in terms of outcomes. |
| Carmel, M. and U. Shamir | "Development of institutional frameworks for the management of transboundary water resources Nurit Kliot and Deborah Shmueli | 2001 | 4 | A comparative analysis of institutional features. No primary research or assessment of outcomes. |
| Carruthers, I. D. and J. A. Morrison | Institutions in Water Resource Management: Insights from New Institutional Economics | 1996 | | BOOK CHAPTER_UNABLE TO LOCATE |
| Cascao, A. E. | "Ethiopia - Challenges to Egyptian hegemony in the Nile Basin | 2008 | 4 | Review style paper and development of an analytical framework. Does not address outcomes. Unclear as to whether primary research has been conducted. |
| Cascao, A. E. L. | Institutional Analysis of the Nile Basin Initiative: what worked, what did not work and water are the emerging options? | 2009 | 4 | Detailed overview and analysis of NBI and related institutions. Does not address poverty or sustainable growth related outcomes. |

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| Chalise, S. R. | "Management of water resources for poverty alleviation in the Hindu-Kush Himalayas | 2002 | | NO ACCESS TO FULL TEXT |
| Chenoweth, J. L. and E. Feitelson | "Analysis of factors influencing data and information exchange in international river basins - Can such exchanges be used to build confidence in cooperative management?" Water International 26 | 2001 | 4 | Examines the factors that determine whether or not data is shared in river basins. Does not address the outcomes of this mechanism. |
| Chenoweth, J. L., H. M. Malano, et al. | "Integrated river basin management in the multi-jurisdictional river basins: The case of the Mekong River Basin | 2001 | 4 | Review/opinion piece style paper. Despite descriptions of water management institutions and mechanisms in the Mekong, there is no primary research addressing the outcomes of institutional performance. |
| Chereni, A. | "The problem of institutional fit in integrated water resources management: A case of Zimbabwe's Mazowe catchment | 2007 | 4 | Paper addresses the relationships between institutions in terms of the propagation of IWRM in Zimbabwe. It does not address the outcomes of institutional performance. |
| Chikozho, C. | "Globalizing integrated water resources management: A complicated option in Southern Africa | 2008 | 4 | Review style paper with limited primary research. Does not trace the outcomes of institutional performance but focuses on wider issues related to the implementation of IWRM and associated difficulties. |
| Chikozho, C. | "Applied social research and action priorities for adaptation to climate change and rainfall variability in the rainfed agricultural sector of Zimbabwe | 2010 | 4 | Literature review - no primary research related to outcomes. |

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| Chitale, M. A. | "Institutional Characteristics for International Cooperation in Water Resources | 1995 | 4 | Opinion piece/review paper. No primary research. |
| Chowdhury, N. T. | "Water management in Bangladesh: an analytical review | 2010 | 4 | Review Paper - no primary research on the outcomes of institutional performance. |
| Clanet, J. C. and A. Ogilvie | "Farmer-herder conflicts and water governance in a semi-arid region of Africa | 2009 | 4 | Review piece. No mention of primary research. Paper addresses the conflict between herders and farmers and the role of access to water resources. |
| Cleaver, F. | "<How institutions elude design CleaverFranks | 2005 | 4 | The object of the paper is to compare the principles of the 'Design Principles' literature to the observed situation in the Usangu River Basin to provide a new theoretical framework for understanding water management institutions. The paper therefore does not address the outcomes of institutional performance in terms of primary research tracing pro-poor outcomes and sustainable economic growth. |
| Cleaver, F., Boesten Kiire | "<Water_Governance_and_Poverty_Final_Report | 2006 | 4 | This is excluded because it is a summary report based on a database of case studies and a literature review. Unfortunately the link to the original case studies is no longer valid. These reflective cases should be identified in any future work on this topic. |
| Cobbing, J. E., P. J. Hobbs, et al. | "A critical overview of transboundary aquifers shared by South Africa | 2008 | 3 | Does not address institutional mechanisms. |

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| Coelho, V. S. P. and A. Favareto | "Questioning the Relationship between Participation and Development A case study of the Vale do Ribeira, Brazil | 2008 | 4 | Although development and sustainable development projects are mentioned at the outset there are no primary data on or indicators of outcomes beyond discourse analysis |
| Conway, D. | "From headwater tributaries to international river: Observing and adapting to climate variability and change in the Nile basin | 2005 | 4 | Presents evidence of climate variability and impact in the Nile basin. Provides broad overview of adaptation measure. Does not present primary research of outcomes traced to institutional performance. |
| Cotula, L. | "The Property Rights Challenges of Improving Access to Water for Agriculture: Lessons from the Sahel | 2008 | 4 | Reviews the results of earlier studies. Specifically: Sylla, O. (2005) which is in French and therefore excluded on the basis of language; Vogt, K. and Vogt, G., (2005) is excluded on the basis that no outcomes are presented and that well management as described in this report is outside of the scope of the review; Thebaud et al (2006) is reviewed separately. |
| Crow, B. | "Gender, Class, and Access to Water: Three Cases in a Poor and Crowded Delta | 2001 | 4 | Review/overview paper. No primary research tracing the institutional performance of institutional mechanisms to outcomes. |
| Crow, B. and N. Singh | "Impediments and innovation in international rivers: The waters of South Asia | 2000 | 4 | Review/Overview style paper. No empirically derived outcomes traced to institutional mechanisms. |
| Daoudy, M. | "Hydro-hegemony and international water law: laying claims to water rights | 2008 | 4 | This paper is tentatively excluded. The hard outcomes presented are future tense (excluded) but there are softer outcomes mentioned here for example the emergence of a cooperative regime in which data is shared and prior notification given (p99). Are these pro-poor/sustainable economic growth? The paper itself classifies that it is summary of the positions of the riparian states. |

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| Davis, M. D. | Integrated water resource management in Chile: To be or not to be | 2004 | 4 | No evidence that the researchers conducted primary research related to outcomes. This is a literature review/opinion piece. |
| Delgado, J. V. and M. Zwartveen | "The public and private domain of the everyday politics of water: The constructions of gender and water power in the Andes of Peru | 2007 | 3 | Does not address the performance of institutional mechanisms and link this to outcomes. |
| Deneke, T. T., E. Mapedza, et al. | "INSTITUTIONAL IMPLICATIONS OF GOVERNANCE OF LOCAL COMMON POOL RESOURCES ON LIVESTOCK WATER PRODUCTIVITY IN ETHIOPIA | 2011 | | Addresses small-scale irrigation, community ponds, community water supply and grazing lands. These are outside the scope of the review unless explicitly linked to wider water resources management (no empirical link is presented). |
| Deng, Q., N. Huang, et al. | "Water shortage: a serious problem in sustainable development of China | 2001 | 4 | Does not link outcomes to institutional performance. Instead generalised water statistics are presented together with a discussion which posits 5 theories for a water crisis in China. |
| Derman, B. and A. Hellum | "Livelihood rights perspective on water reform: Reflections on rural Zimbabwe | 2007 | 4 | Descriptive/review style paper. Based on earlier studies by the lead author. Hellum and Derman (2005) most relevant but unable to locate as chapter of an edited book. |
| Desalegn Chemed Endossa, S. B. A., Regassa Ensermu Namara, Mukand Singh Babel and Ashim Das Gupta | "Indigenous Systems of Conflict Resolution in Oromia, Ethiopia " | 2007 | 3 | Main emphasis is on describing the Gadaa system. Addresses questions of rural water supply and access. Not clear whether primary research linked to outcomes has been undertaken. Content is primarily a literature review. |

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| Dhruba Pant, S. T., Ashok Singh, Madhusudhan Bhattarai and David Molden | "Integrated Management of Water, Forest and Land Resources in Nepal: Opportunities for Improved Livelihood." http://www.iwmi.cgiar.org/assessment/files_new/publications/discussion%20paper/cadiscussionpaper2.pdf | | 3 (I) | Paper addresses water management in terms of improvements to irrigation systems. Outcomes related to improved agricultural productivity within the catchment as a result of the construction of irrigation canals. This aspect of water management is outside the scope of the review. |
| Diaz-Caravantes, R. E. and C. A. Scott | "Water management and biodiversity conservation interface in Mexico: A geographical analysis | 2010 | 4 | Does not address pro-poor or sustainable economic growth outcomes. Rather maps water use and compares to institutional frameworks. |
| Dinar, A. | "Exploring transboundary water conflict and cooperation | 2004 | 4 | Introductory Paper to a special section of the journal. Provides an overview of papers within the issue. There are no outcomes or primary research. |
| Dinar, A. and R. M. Saleth | "Can water institutions be cured: a water institutions health index | 2005 | | NO ACCESS |
| Dinar, A., Kemper, K., and W. Blomquist | DECENTRALIZATION OF RIVER BASIN MANAGEMENT: A GLOBAL ANALYSIS. Working Paper 3637 | 2005 | 4 | Theoretical exploration based on 8 case studies (those in the relevant geographical areas have been assessed separately) and then expanded to global river basin data from 83 basins. This paper does use primary data AND assesses factors HOWEVER no specific pro-poor or SEG outcomes are presented in this analysis. |
| Dinar, A., K. Kemper, et al. | "Whitewater: Decentralization of river basin water resource management | 2007 | 4 | This article is derived from Dinar et al. (2005) , a World Bank working paper that provides more detail on methods and outcomes. Please see separate assessment. |

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| Dinar, S., A. Dinar, et al. | "Scarcity and Cooperation along International Rivers: An Empirical Assessment of Bilateral Treaties | 2011 | 4 | Modelling using secondary data set. Does not conduct primary research linking outcomes to institutional performance. |
| Dore, J. and L. Lebel | "Deliberation and Scale in Mekong Region Water Governance | 2010 | 4 | Examines decision-making in the Mekong and explores the concepts of scale and politics. Does not address outcomes in terms of pro-poor or SEG. |
| du Plessis, J. A. | "Managing the unseen: Langebaan Road Aquifer System | 2009 | 4 | The outcomes identified in this brief project report (presented at a Conference) are not pro-poor or related to sustainable economic growth. They are linked to technical aspects of aquifer management. For example: the performance of the Project Steering Committee was linked to the effective management of 'servitudes and design problems' (p156). Reference is made to the importance of aquifer abstraction management for the environment but no specific assessment is undertaken. |
| Dubash et al | An Independent Assessment of the World Commission on Dams | 2001 | 4 | Review of the implications of the WCD's. |
| Dube, D. and L. A. Swatuk | "Stakeholder participation in the new water management approach: A case study of the Save catchment, Zimbabwe | 2002 | 4 | No primary research on outcomes, relies on literature and donor reports. |
| Eakin, H., S. Eriksen, et al. | "Public sector reform and governance for adaptation: Implications of new public management for adaptive capacity in Mexico and Norway | 2011 | 4 | The outcomes identified in this study are sourced from earlier studies, particularly Eakin and Appendini (2008) - assessed separately. The current article is excluded as the research provided in this article is not primary research. |

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| Earle, A. | "The role of governance in countering corruption: an African case study | 2007 | 4 | Describes corruption at the Lesotho Highlands Water Project. Does not trace pro-poor or sustainable growth outcomes to institutional performance. |
| Edwards, J., B. Yang, et al. | "Water availability and economic development: Signs of the invisible hand? An empirical look at the Falkenmark index and macroeconomic development | 2005 | 3 | Modelling study using datasets. Does not address institutional mechanisms but rather the correlation between water availability and macro-economic indicators. |
| Engle, N. L., O. R. Johns, et al. | "Integrated and adaptive management of water resources: Tensions, legacies, and the next best thing | 2011 | 4 | Sent for wider team review. Excluded due to lack of outcomes linked to institutional performance. |
| Eugenio Barrios, J., J. Alfredo Rodriguez-Pineda, et al. | "Integrated river basin management in the Conchos River basin, Mexico: A case study of freshwater climate change adaptation | 2009 | 4 | Describes the experiences of implementing an IRBM approach in the Rio Conchos Basin, Mexico. The project has a number of elements (the new approach to river basin governance is the most relevant to the systematic review) and the authors report the successes of the programme. A main benefit is described as the comprehensive framework for decision-making that is available and the development of a basin-wide outlook. The research does not link the IBRM to outcomes and that documented through primary research and that are pro-poor or related to SEG (with the exception of crop water improvements due to new irrigation infrastructure and agricultural modernisation but this is outside the scope of the study). |
| Evans, A. and S. Varma | "Practicalities of participation in urban IWRM: Perspectives of wastewater management in two cities in Sri Lanka and Bangladesh | 2009 | 4 | No outcomes assessed. Addresses the participatory process and the constraints and lessons learned from this for two projects in Asian cities. The focus is the participatory process rather than the outcomes of this institutional mechanism in terms of pro-poor or sustainable economic growth. |

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| Fatch, J. J., E. Manzungu, et al. | "Problematizing and conceptualising local participation in transboundary water resources management: The case of Limpopo river basin in Zimbabwe | 2010 | 4 | Addresses the subsidiarity principle of IWRM and processes of stakeholder participation. Does not address the outcomes of these processes. |
| Faysse, N. | "Troubles on the way: An analysis of the challenges faced by multi-stakeholder platforms | 2006 | 4 | Overview article based on two earlier case studies. Original case study material will be assessed. |
| Feng, Y. and D. He | "Transboundary water vulnerability and its drivers in China | 2009 | 4 | Not clear whether primary research on outcomes has been conducted. Overview style paper. Does not link institutional performance to outcomes. |
| Fernández-González, A. and B. Aylward | "Participation, pluralism and polycentrism: Reflections on watershed management in Costa Rica | 1999 | 4 | Based on a case study by Aylward and Fernandez-Gonzalez (1998). See separate assessment. |
| Fischhendler, I. and T. Heikkila | Does integrated water resources management support institutional change? the case of water policy reform in Israel | 2010 | 4 | Relevant study that acknowledges the paucity of empirical research linked to the IWRM literature. Provides an in-depth case study of the establishment of IWRM in Israel based on qualitative data (interviews with water managers etc.). The study concludes that IWRM impedes further institutional change due to path dependency and the 'locked-in' hegemony of the agricultural sector. Despite these detailed discussions of IWRM, the study does not address the outcomes of IWRM in Israel in terms of pro-poor or sustainable economic growth |
| Fischhendler, I., S. Dinar, et al. | The politics of unilateral environmentalism: Cooperation and conflict over water management along the Israeli-Palestinian border | 2011 | 4 | Descriptive paper with no clear research questions. Examines the conflict over water between Israel and Palestine and documents policies associated with shared water management. Does not trace particular outcomes of policies using primary research. Suggests the conditions required for 'cooperative adaptation' can occur. |

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| Formiga-Johnsson, R. M., L. Kumler, et al. | "The politics of bulk water pricing in Brazil: Lessons from the Paraíba do Sul Basin | 2007 | 4 | Discusses the factors that enabled the water pricing reform to be implemented with least resistance. Does not address the outcomes of this reform. |
| Frija, A., S. Speelman, et al. | "Assessing the efficiency of irrigation water users' associations and its determinants: evidence from Tunisia | 2009 | 3 (I) | Paper examines the efficiency of WUAs in terms of organisational efficiency and including indicators such as maintenance expenditure. Focus is within the irrigation sector rather than directed at broader water resources management. |
| Fulazzaky, M. A. and H. Akil | "Development of data and information centre system to improve water resources management in Indonesia | 2009 | 4 | Addresses the potential of data and information centre. Does not examine outcomes. |
| Funder, M., C. Mweemba, et al. | "Understanding local water conflict and cooperation: The case of Namwala District, Zambia | 2010 | 3 | Quantifies and characterises local conflicts over water resources in Namwala district. The research design does not address institutional performance and link these to observed conflict. Aims to contribute to the understanding of conflict for new policy formulation. |
| Funke, N., S. H. H. Oelofse, et al. | "IWRM in developing countries: Lessons from the Mhlatuze Catchment in South Africa | 2007 | 4 | Literature review and critique of IWRM followed by case study. Case study provided does not use primary research to trace pro-poor or SEG outcomes to institutional performance. |
| Geng, Y., B. Mitchell, et al. | "Perspectives on small watershed management in China: the case of Biliu | 2010 | 4 | Descriptive case study. No primary research addressing the outcomes of institutional performance. |

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| Ghanbarpour, M. R., K. W. Hipel, et al. | "Prioritizing long-term watershed management strategies using group decision analysis | 2005 | 4 | Does not empirically assess the outcomes of institutional performance. Develops a framework and method for identifying the long term objectives of stakeholders for strategic watershed planning. |
| Gilman, P., V. Pochat, et al. | "Whither La Plata? Assessing the state of transboundary water resource cooperation in the basin | 2008 | 4 | Relevant paper addressing the outcomes of cooperation linked to the La Plata treaty. However the outcomes identified are based on a literature review and it is not clear whether primary research linking outcomes to the performance of institutional mechanisms has been undertaken. |
| Goldin, J. A. | "Water policy in South Africa: Trust and knowledge as obstacles to reform | 2010 | 4 | Theorises why institutional mechanisms may not be performing but does not address outcomes. Much of the discussion is based on theoretical frameworks and literature review. Limited primary research. |
| Gomani, M. C., O. Dietrich, et al. | "Establishment of a hydrological monitoring network in a tropical African catchment: An integrated participatory approach | 2010 | 3 | Documents a successful strategy to install a hydrological monitoring network through a participatory approach. This does not address pro-poor or SEG outcomes of institutional performance. |
| Gosain, A. K. and S. Rao | "GIS-based technologies for watershed management | 2004 | 4 | Demonstrates the utility of modelling and GIS for IWRM but does not explore outcomes in terms of pro-poor or SEG. |
| Gunaratnam, D. J., X. Qingtao, et al. | "The International Environmental Expert Panel for major dam/reservoir projects: The yellow river, China | 2002 | 3 | Describes the working of an International Panel reviewing the environmental component of dam building, particularly the issue of re-settlement. Does not address wider questions of WRM. Describes various aspects important in re-settlement facilities for example health service provision and cultural aspects. |

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| Gurung, T. B. | "Restoration of small lakes through cooperative management: A suitable strategy for poverty-laden areas in developing countries?" Lakes & Reservoirs Research and Management 12 | 2007 | 4 | Measures the success of a lake rehabilitation scheme in terms of water quality indicators. Does not link to pro-poor or SEG outcomes. |
| GWP | "LOCAL ACTION THROUGH AREA WATER PARTNERSHIPS Final Report | 2006 | 4 | Detailed report documenting the work of Area Water Partnerships. The method does not examine whether these groups have an impact in terms of pro-poor or SEG outcomes. |
| GWP | "PROGRAM EVALUATION OF PARTNERSHIP FOR AFRICA'S WATER DEVELOPMENT PROGRAM | 2008 | 4 | The activities and outputs examined in the evaluation are not related to outcomes as outlined in the Protocol. They include for example, that IWRM is advanced, that financing bodies are more fully engaged etc. These are not tangible outcomes in terms of Pro-poor or SEG. |
| Haddadin, M. | "Cooperation and lack thereof on management of the Yarmouk River | 2009 | 4 | Historical account of management of the Yarmouk and the wider political context. Does not link outcomes with institutional performance. |
| Hadjigeorgalis, E. and J. Lillywhite | "The impact of institutional constraints on the Limarí River Valley water market | 2004 | 4 | Despite primary data-collection related to water markets in Chile. The modelling approach estimates potential welfare gains related to removing institutional barriers to free-trade. The article is excluded as the approach does not include primary research about 'outcomes'. |
| Hammani, A., T. Hartani, et al. | "Paving the way for groundwater management: Transforming information for crafting management rules | 2009 | 4 | Multi-disciplinary research characterising groundwater use in North African irrigation systems. Does not link institutional mechanisms to primary research on outcomes. |

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| Han, H. and L. Zhao | "Chinese agricultural water resource utilization: problems and challenges | 2007 | 4 | Review style article. No primary research related to outcomes. |
| Han, H. y. and L. g. Zhao | "The Impact of Water Pricing Policy on Local Environment - An Analysis of Three Irrigation Districts in China | 2007 | 4 | Uses a model to simulate the impact of hypothetical rising water prices. Excluded as the outcomes are not determined using primary data, but modelled. |
| Han, Z., Z. Shen, et al. | "Temporal dimension and water quality control in an emission trading scheme based on water environmental functional zone | 2011 | 4 | No pro-poor or SEG outcomes. Technical paper calculating environmental capacity for emissions trading. |
| Hearne, R. R. | "Evolving water management institutions in Mexico | 2004 | 4 | Describes institutional reform in Mexico. Does not link pro-poor outcomes to institutional performance. |
| Hearne, R. R. and G. Donoso | "Water institutional reforms in Chile | 2005 | 4 | Describes institutional reform in Chile. Does not link pro-poor outcomes to institutional performance. |
| Hellegers, P. J. G. J., C. J. Perry, et al. | "Incentives to reduce groundwater consumption in Yemen | 2011 | 4 | Evaluates mechanisms for groundwater demand reduction. Does not address outcomes using primary research linked to institutional performance. |

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| Hepworth, N., et al. | From Integrated to Expedient | 2006 | 4 | Paper develops a framework and does not address the outcomes of institutional performance using primary data. |
| Hermans, L. M. | Agenda setting in policy analysis: Exploring conflict for a case of water resources management in the Philippines | 2003 | 3 | Explores two different methods of policy analysis. Water case study provided to illustrate methods (rather than being the object of study). |
| Hermans, L. M., G. E. Van Halsema, et al. | "Building a mosaic of values to support local water resources management | 2006 | 4 | Does not address outcomes. |
| Hermans, L., D. Renault, et al. | Stakeholder-oriented valuation to support water resources management processes | 2006 | 4 | Review of the use of valuation in WRM. Compilation of 3 cases together with literature review and framework. Cases describe attempts to incorporate valuation into IWRM processes. They do not link the use of this mechanism with pro-poor outcomes or SEG. |
| Heyns, P. | "Water institutional reforms in Namibia | 2005 | 4 | Compares institutional reform in Namibia with Saleth and Dinar Framework. Does not address the outcomes of institutional performance. |
| Heyns, P. | "Application of a basin management approach to groundwater utilization in the Otavi Mountain Land, Namibia | 2008 | 4 | Descriptive case study. No outcomes are assessed using primary evidence. |

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| Heyns, P. S. v. | "Governance of a shared and contested resource: A case study of the Okavango River Basin | 2007 | 4 | Does not address the pro-poor or SEG outcomes of the governance arrangements described in the paper. |
| Hill, J. and W. Woodland | "Contrasting water management techniques in Tunisia: towards sustainable agricultural use | 2003 | 3 (I) | Contrasts two irrigation techniques with a view to assessing sustainability. The study does not address empirically derived outcomes and the bulk of the paper is a literature review. |
| Hinkel, J. and T. Menniken | Climate Change and Institutional Adaptation in Transboundary River Basins | 2007 | 4 | No primary research related to outcomes |
| Hirji, R. and T. Panella | "Evolving policy reforms and experiences for addressing downstream impacts in World Bank water resources projects | 2003 | 4 | Discussion of EF and how this is incorporated into WRM. 5 case studies presented. Does not explicitly examine the outcomes of EF policy in terms of pro-poor and SEG |
| Hirsch, P. | "Water governance reform and catchment management in the Mekong Region | 2006 | 4 | Discussion on the appropriate measures against which to measure water reform. Argues that social acceptability and conflict resolution are more promising criteria than social/environmental outcomes and catchment management. Not clear whether article is based on primary research. Does not address outcomes. |
| Hoeinghaus, D. J., A. A. Agostinho, et al. | "Effects of river impoundment on ecosystem services of large tropical rivers: Embodied energy and market value of artisanal fisheries | 2009 | 3 | Does not link the outcomes (which have been examined) to institutional mechanisms. |

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| Hongyun, H. and Z. Liange | "Chinese agricultural water resource utilization: Problems and challenges | 2007 | D | Duplicate |
| Hope, C. J. M. H. a. R. " | A Multi-disciplinary Approach to Assessing the Effects of Water and Land Use Policy on Livelihoods." http://www.dfid.gov.uk/r4d/pdf/outputs/R7937a.pdf | | 4 | Conceptualisation and presentation of modelling options. |
| Hope, R. A. | "Evaluating water policy scenarios against the priorities of the rural poor | 2006 | | |
| Hope, R. A. | Evaluating Social Impacts of Watershed Development in India | 2007 | 3 | Watershed development activities not closely related to water resources management at the scale we are interested in for this study. |
| Horinkova, V. and I. Abdullaev | "Institutional aspects of water management in Central Asia - Water users associations | 2003 | 3 (I) | Brief review of a number of WUA and Farmer to Farmer projects in Central Asia. Where results are reported, they correspond to 'within the irrigation system' changes and not to issues of wider water resources management. |
| Hosking, S. G. and M. du Preez | "A cost-benefit analysis of the Working for Water Programme on selected sites in South Africa | 2004 | 4 | Models the cost-benefit ratio of the Working for Water Programme in South Africa. Evidence for the 'benefit' is primarily based on improved water yields taken from an earlier study (also based on models) and the value of water calculated using a willingness to pay for agricultural water approach. Further benefits also calculated using secondary data to provide estimate of increased yield of agricultural product. |

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| Hossain, F. and T. Helao | "Local governance and water resource management: Experiences from northern Namibia | 2008 | 3 (S) | The primary research reported in this paper relates to de-centralisation and how this has impacted issues of water supply. |
| Hossain, G. A. and M. N. Islam | Small scale water resources development project in rural Bangladesh: People's participation in subproject development | 2004 | 4 | No outcomes linked to institutional performance. |
| Hsu, S. H. and S. P. Mumme | "Water resource protection in Taiwan: An evaluation of the Taipei water management commission | 1997 | 4 | No outcomes assessed using primary research and linked to the issue of institutional capacity described in this article. |
| Huang, Q., J. Wang, et al. | "Empirical assessment of water management institutions in northern China | 2010 | 3 (I) | Examines improvements to the performance of irrigation systems as a result of reform and WUAs. This is outside the scope of the wider questions of WRM. |
| Huang, Q., S. Rozelle, et al. | "Water management institutional reform: A representative look at northern China | 2009 | 4 | Examines trends in water institutions and the factors that lead to reform. Does not examine the outcomes of such reform in terms of pro-poor or SEG outcomes. |
| Huang, Q., S. Rozelle, et al. | "Irrigation water demand and implications for water pricing policy in rural China | 2010 | 4 | Simulation analysis. |

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| Huntjens, P., C. Pahl-Wostl, et al. | "Adaptive water management and policy learning in a changing climate: A formal comparative analysis of eight water management regimes in Europe, Africa and Asia | 2011 | 4 | The main question addressed in this study is whether a higher level of AIWM reveals a different response in coping with floods and droughts than management regimes with a lower level of AIWM. This is assessed by looking at different levels of policy learning (not a pro-poor or SEG outcome). |
| Husain, Z. | "Commons and commoners: re-examining community in common pool resources | 2009 | 3 | Studies access to village tank/pond. |
| Imura, H. and X. Bai | "TOWARDS SUSTAINABLE URBAN WATER RESOURCE MANAGEMENT: A CASE STUDY IN TIANJIN, CHINA | 2001 | 4 | The evaluation of measures to combat scarcity is based on secondary sources. |
| Ioris, A. A. R. | "Water resources development in the São Francisco River Basin | 2001 | 4 | Review/discussion style article. No primary research addressing outcomes. |
| IUCN | "Ruvu basin : a situation analysis | 2010 | 4 | Very detailed description of the hydrology, institutional arrangements and other related issues in the river basin. This is not a study of the impact or outcomes of water resources management in the basin and is excluded in the basis that there are no outcomes presented. |
| IUCN | "Wami basin : a situation analysis | 2010 | 4 | Very detailed description of the hydrology, institutional arrangements and other related issues in the river basin. This is not a study of the impact or outcomes of water resources management in the basin and is excluded in the basis that there are no outcomes presented. |

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| Jackson, S. and A. Sleigh | "Resettlement for China's Three Gorges Dam: Socio-economic impact and institutional tensions | 2000 | 3 | Potential impacts from TGD. Issues related to re-settlement and property rights are the main focus of this study. |
| Jacoby, H. G., R. Murgai, et al. | "Monopoly power and distribution in fragmented markets: The case of groundwater | 2004 | 3 (I) | Reviewed by team. Excluded on relevance to topic. |
| Jakob Granit, Andreas Lindström, et al. | Managing and Developing the Water Resources Assets in Kaliningrad Oblast, Russia in Support of Economic Growth and Environmental Sustainability, SIWI | 2011 | 2 | Predominantly EU and Baltic Sea littoral states focused. |
| Jenkins, M. W., F. K. Lelo, et al. | Community perceptions and priorities for managing water and environmental resources in the river Njoro Watershed in Kenya | 2004 | 4 | No outcomes presented. |
| Jiang, Y., L. Jin, et al. | "Higher water tariffs for less river pollution- Evidence from the Min River and Fuzhou City in China | 2011 | 3 | Investigates willingness to pay for improved water quality. Does not address the outcomes of institutional performance for water resources management. |
| Jinxia, W., X. U. Zhigang, et al. | "Incentives in water management reform: assessing the effect on water use, production, and poverty in the Yellow River Basin | 2005 | D | Duplicate of Wang et al (2005). See Wang for comments. |

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| Johnson, C. L. | "Government Intervention in the Muda Irrigation Scheme, Malaysia: 'Actors', Expectations and Outcomes | 2000 | 3 (I) | Irrigation system focus rather than wider issues of WRM. |
| Johnson, C. L. and J. W. Handmer | "Coercive and cooperative policy designs: Moving beyond the irrigation system | 2003 | 3 (I) | Study within an irrigation system. Does not address issues of WRM outside the irrigation system. |
| Johnson, N., J. Garcia, et al. | "Water and poverty in two Colombian watersheds | 2009 | 3 | Emphasis is to understand what characterises the poor households in these watersheds and understand the role of water in their livelihoods. Does not trace the outcomes of institutional performance for water RESOURCES management. |
| Juizo, D., R. Lidén, et al. | "Remaining challenges for bi-national agreements on shared water: The Umbeluzi case | 2006 | 4 | Paper addresses future implementation challenges of agreement. Therefore there are no 'outcomes'. |
| Kadigi, R. M. J., N. S. Y. Mdoe, et al. | "Collective arrangements and social networks: Coping strategies for the poor households in the Great Ruaha Catchment in Tanzania | 2007 | 3 | Examines the vulnerability of households and their access to water resources. Does not trace a link between institutional mechanisms for WRM with pro-poor and SEG outcomes. |
| Kapfudzaruwa, F. and M. Sowman | "Is there a role for traditional governance systems in South Africa's new water management regime?" Water Sa 35 | 2009 | 4 | Does not address the outcomes of state versus traditional governance in the terms described in the protocol. |

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| Kemper, K., Dinar, A., and Blomquist, W., | INSTITUTIONAL AND POLICY ANALYSIS OF RIVER BASIN MANAGEMENT DECENTRALIZATION | 2005 | 4 | Overview of case studies examining decentralisation - excluded due to lack of primary research. Source case study material has been identified and assessed separately. |
| Kashaigili, J. J., K. Rajabu, et al. | "Freshwater management and climate change adaptation: Experiences from the Great Ruaha River catchment in Tanzania | 2009 | 4 | Subject to whole team review. Excluded on outcomes. |
| Kaur, N., M. Getnet, et al. | Adapting to Climate Change in the Water Sector: Assessing the Effectiveness of Planned Adaptation Interventions in Reducing Local Level Vulnerability, RiPPLE | 2010 | 3 | Subject to Team review. Excluded on relevance. |
| Keen, M. | "Integrated water management in the South Pacific: Policy, institutional and socio-cultural dimensions | 2003 | 4 | Does not link outcomes derived from primary research to institutional performance for water resources management. |
| Kei, K. and S. Takeshi | "Efficiency and equity in groundwater markets: the case of Madhya Pradesh, India | 2005 | D | Duplicate (and incorrectly referenced as Kei and Takeshi) of Kajisa and Sakurai, 2006 |
| Keith, J. E. and S. Ouattar | "STRATEGIC PLANNING, IMPACT ASSESSMENT, AND TECHNICAL AID:: THE SOUSS-MASSA INTEGRATED WATER MANAGEMENT PROJECT | 2004 | 4 | Does not address pro-poor or SEG outcomes related to the implementation of the SIWM Project. |

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| Kemp-Benedict, E., S. Cook, et al. | "Connections between poverty, water and agriculture: Evidence from 10 river basins | 2011 | 4 | Review/Meta-analysis of earlier studies. These are assessed separately: Ahmad, A. and Giordano, M., 2010; Kirby, M., et al., 2010; Ogilvie, A., et al., 2010; Ringler, C., et al., 2010; Sharma, B., et al., 2010. |
| Kjeldsen, T. R., A. Lundorf, et al. | "Barriers to sustainable water resources management-a Zimbabwean case study | 1999 | 4 | Research addresses the barriers to WRM through the collection of qualitative research. The study does not address the outcomes of institutional performance in terms of pro-poor or SEG measures. |
| Knuppe, K. | "The challenges facing sustainable and adaptive groundwater management in South Africa | 2011 | 4 | Does not assess the outcomes of current institutional arrangement. Authors conduct interviews with managers to determine current challenges but these are not 'pro-poor or SEG outcomes'. Nevertheless provides useful insight in to ground water management challenges. |
| Komakech, H. C. and P. van der Zaag | "Understanding the emergence and functioning of river committees in a catchment of the Pangani Basin, Tanzania | 2011 | 4 | Subject to team review. Excluded on outcomes. |
| Komakech, H., B. van Koppen, et al. | "Pangani River Basin over time and space: On the interface of local and basin level responses." Agricultural Water Management. http://www.scopus.com/inward/record.url?eid=2-s2.0-77954549881&partnerID=40&md5=576d0637f3f04d57ea706afc04505803 | 2011 | 4 | Conceptual development of theories related to Basin Actor Responses. No outcomes assessed and no (limited) primary research. |
| Kujinga, K. | "Decentralizing water management: an analysis of stakeholder participation in the management of water in Odzi subcatchment area, Save Catchment | 2002 | 4 | Example of a paper that looks at the processes of decentralization rather than the outcomes. Does not address pro-poor or SEG outcomes (other than the speed of processing of water permits). |

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| Kumasi, T., K. Obiri-Danso, et al. | "Community engagement in the sustainable management of rivers: Barekese catchment, Kumasi, Ghana | 2010 | 4 | Examines attitudes of local residents to water management. Does not address the impact of water management on local residents, therefore excluded on 4. |
| Kumler, L. M. and M. C. Lemos | "Managing waters of the Paraiba do Sul River Basin, Brazil: A case study in institutional change and social learning | 2008 | 4 | Subject to team review. Addresses the implementation of reforms and related processes. Investigates theories of social learning in water management institutions. With the exception of a brief description of reservoir management during drought, does not address pro-poor outcomes of SEG related to institutional performance. |
| Kurian, M. | "Institutions for Integrated Water Resources Management in Upland Watersheds of Southeast Asia A Comparative Analysis of Thailand and Lao PDR | 2004 | 3 | Concerns watershed development activities rather than wider issues related to water resources management as detailed in the protocol. |
| Kurian, M., T. Dietz, et al. | "Public-private partnerships in watershed management - Evidence from the Himalayan foothills | 2004 | 3 (I) | Subject to Team review. Excluded on relevance. |
| Kuruppu, N. | "Adapting water resources to climate change in Kiribati: the importance of cultural values and meanings | 2009 | 2 | Asia-Pacific |
| Lamoree, G. and A. Nilsson | "A process approach to the establishment of international river basin management in Southern Africa | 2000 | 4 | Discusses process management as applied to river basin management. Does not address the outcomes of such reforms in terms of Pro-poor or SEG. |

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| Lankford, B., B. Van Koppen, et al. | "Entrenched views or insufficient science? Contested causes and solutions of water allocation; insights from the Great Ruaha River Basin, Tanzania | 2004 | 4 | Does not examine the outcomes of institutional performance. |
| Lannerstad, M. and D. Molden | "Adaptive water resource management in the south indian lower bhavani project command area | 2009 | 3 (I) | Investigates whether adaptive water management takes place. Research is predominantly within an irrigation scheme. |
| Laurie, N. | "Gender Water Networks: Femininity and Masculinity in Water Politics in Bolivia | 2011 | 3 | Does not address institutional performance for WRM (focuses on gender and the water politics of Cochabamba) |
| Lebel, L., J. Manuta, et al. | "Institutional traps and vulnerability to changes in climate and flood regimes in Thailand | 2011 | 4 | Literature review based on secondary sources focused on Thailand. |
| Leendertse, K., S. Mitchell, et al. | "IWRM and the environment: A view on their interaction and examples where IWRM led to better environmental management in developing countries | 2008 | 4 | Opinion piece/review paper. Uses selected cases to support arguments proposed. Does not use primary data to link outcomes to institutional performance. |
| Lein, H. and M. Tagseth | "Tanzanian water policy reforms - Between principles and practical applications | 2009 | 4 | Discusses 3 different approaches to water management and describes water reform in Tanzania. Does not research outcomes of reforms in Tanzania using primary data. |

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| Lelo, F. K., W. Chiuri, et al. | Managing the River Njoro Watershed, Kenya: Conflicting laws, policies, and community priorities | 2005 | 3 | Examines the baseline scenario in the Njoro Watershed in order to in act policies and strategies to halt degradation. Does not address the performance of institutional mechanisms and their outcomes. |
| Lemos, M. C. and J. o. de Oliveira | "Can Water Reform Survive Politics? Institutional Change and River Basin Management in CearÃ¡, Northeast Brazil | 2004 | 4 | Examines the implementation of water reform but does not address the outcomes of these reforms. |
| Levine, G. | "The Lerma-Chapala river basin: a case study of water transfer in a closed basin | 2007 | 4 | Describes the case of water transfer but does not link outcomes derived from primary data (it is also not clear what aspects of this report are based on primary evidence) to the performance of institutional mechanisms. |
| Liu, B. M., Y. Abebe, et al. | "Overcoming limited information through participatory watershed management: Case study in Amhara, Ethiopia | 2008 | 4 | Describes the progress to date with implementing integrated water management techniques in 2 pilot watersheds. The goal of the project was to revitalize watersheds by keeping more rainwater ('green' water) on the land and increasing fertility. The study does not link outcomes to institutional performance but describes isolated successes with certain technical interventions such as ploughing or changes to crop choices. |
| LIVINGSTON | "EVALUATING INSTITUTIONAL PERFORMANCE: AN EX POST ANALYSIS OF WATER LAW IN COLOMBIA | 2008 | 4 | Subject to team review. Paper presents an ex post analysis of environmental performance, specifically in the area of water resources in Columbia but does not address outcomes. |
| Luzi, S., M. Abdelmoghny Hamouda, et al. | "Water policy networks in Egypt and Ethiopia | 2008 | 4 | Article applies social network analysis to the water sector. The aim of the study is to understand 'how the structure of the water sector relates to the current priorities and water policy developments in Egypt and Ethiopia, respectively, with a special focus on the policies that are relevant for the issue of transboundary cooperation in the Nile Basin.' The study does not address outcomes. |

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| Mosley, M. P., Arriens W. L., and Pascua, E. | "Water Sector Reforms: Tracking Progress in Asia and the Pacific | 2004 | 4 | ADB report on water sector reform. Uses a questionnaire approach and gives good level detail. Discusses factors. No outcomes described. Would be useful to search for further results from this study (update: no follow up report located). |
| Madaleno, I. M. | "The privatisation of water and its impacts on settlement and traditional cultural practices in Northern Chile | 2007 | 4 | Describes institutional arrangements and describes water management practices in different parts of Chile but does not address the outcomes of institutional performance in terms of pro-poor or SEG criteria. |
| Madaleno, I. M. and A. Gurovich | "Conflicting water usages in Northern Chile | 2007 | 4 | Does not address outcomes linked to institutional performance. Abridged version of Madaleno (2007) which is assessed separately. |
| Madhusudan Bhattarai, D. P., V. S. Mishra, Hari Devkota, Shuku Pun, R. N. Kayastha and David Molden | "Integrated Development and Management of Water Resources for Productive and Equitable Use in the Indrawati RiverBasin, Nepal | 2002 | 4 | Synthesis of 4 earlier case studies, therefore this paper is excluded because there is no primary research. Earlier cases will be assessed separately: <i>Devkota, H.; and M. Bhattarai</i> . 2001. Process documentation research of Melamchi Water Supply Project. Kathmandu, Nepal: IWMI and WECS; <i>Mishra, V.S.</i> 2000. Integrated development and management of water resources for productive and equitable use: Water accounting for Indrawati river basin, Nepal. Kathmandu, Nepal: Water and Energy Commission Secretariat (WECS) and International Water Management Institute (IWMI); <i>Pant, D.; and M. Bhattarai</i> . 2000. Integrated development and management of water resources in Indrawati river basin, Nepal: A study on formal and informal institutions on water management. Kathmandu, Nepal: International Water Management Institute (IWMI) and Water and Energy Commission Secretariat (WECS); <i>Pun, S.</i> 2000. Study on stakeholders' inclusion - exclusion processes in Indrawati river basin. Kathmandu, Nepal: IWMI and WECS. |

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| Madulu, N. F. | "Environment, poverty and health linkages in the Wami River basin: A search for sustainable water resource management | 2005 | 3 | Describes the bio-physical environment and water users in the Basin but does not address questions of institutional performance or factors. |
| Maganda, C. | "The Politics of Regional Water Management: The Case of Guanajuato, Mexico | 2003 | 4 | Detailed article examining water politics in Mexico. The research does not address the outcomes (pro-poor or SEG) of the institutional arrangements described. |
| Maganga, F. P. | "Incorporating customary laws in implementation of IWRM: Some insights from Rufiji River Basin, Tanzania | 2003 | 4 | Does not address outcomes. Highlights the mis-match between customary law and IWRM implementation in Tanzania. |
| Maganga, F. P., H. L. Kiwasila, et al. | "Implications of customary norms and laws for implementing IWRM: Findings from Pangani and Rufiji basins, Tanzania | 2004 | 4 | Study lists examples of cases of conflict over water resources that have been brought to court. Research does not link outcomes to institutional performance. |
| Malano, H. M. and B. Davidson | "A framework for assessing the trade-offs between economic and environmental uses of water in a river basin | 2009 | 4 | Develops a framework and applies this to the Krishna Basin. Data used is secondary. Study excluded as there is no primary research on outcomes. |
| Manase, G., J. Ndamba, et al. | "Mainstreaming gender in integrated water resources management: The case of Zimbabwe | 2003 | 4 | Examines gender and IWRM in Zimbabwe. Does not assess the outcomes of this policy in terms of pro-poor or SEG outcomes. |

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| Manyatsi, A. M. and E. J. Mwendera | "The contribution of informal water development in improving livelihood in Swaziland: A case study of Mdonjane community | 2007 | 3 | The paper does not address questions of institutional performance for water resources management. |
| Manzungu, E. | "More than a headcount: Towards strategic stakeholder representation in catchment management in South Africa and Zimbabwe | 2002 | 4 | Addresses the representation of Stakeholders but not outcomes. |
| Manzungu, E., T. J. Mpho, et al. | "Continuing discontinuities: Local and state perspectives on cattle production and water management in Botswana | 2009 | 3 | Addresses local water management for the cattle industry. |
| Marcus, R. R. and J. Onjala | "Exit the State: Decentralization and the Need for Local Social, Political, and Economic Considerations in Water Resource Allocation in Madagascar and Kenya | 2008 | 4 | Does not address the outcomes of decentralisation using primary research. In addition to wider points about decentralisation made by this article, it refers to an EU Project: EU-INCO water research from FP4 to FP6 (1994–2006) — a critical review. Where 67 IWRM projects were reviewed by an experts. This was analysed separately but study did not address pro-poor or SEG outcomes. |
| Mason, S. | From Conflict to Cooperation in the Nile Basin: Interaction between Water Availability, Water Management in Egypt and Sudan, and International Relations in the Eastern Nile Basin | 2003 | 4 | This thesis does not address outcomes. It is concerned with the factors (hard and soft) that influence conflict. |
| M'Barek, R., C. Behle, et al. | "Sustainable resource management in Benin embedded in the process of decentralisation | 2005 | 3 (S) | The water management component of this paper examines issues related to water supply. This is outside the scope of the review. |

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| McDonald, M. | "Assessing the New Wave: Transaction Costs of Water Law Reform in Latin America | 2011 | 4 | Rejected due to lack of primary research addressing the outcomes of institutional performance. |
| Mehta, L. | "Social difference and water resource management - Insights from Kutch, India | 1997 | 4 | Does not address the outcomes of institutional performance. |
| Meinzen-Dick, R., K. V. Raju, et al. | "What affects organization and collective action for managing resources? Evidence from canal irrigation systems in India | 2002 | 3 (I) | Looks at the factors which influence the collective action (and not the outcomes of this action). Is also focused on the irrigation system level. |
| Milich, L. and R. G. Varady | "Openness, sustainability, and public participation: New designs for transboundary river basin institutions | 1999 | 4 | Discussion and review of transboundary institutions and main paradigms. Does not address outcomes using primary evidence. |
| Milman, A. and C. A. Scott | "Beneath the surface: intranational institutions and management of the United States — Mexico transboundary Santa Cruz aquifer | 2010 | 4 | Detailed institutional analysis but research design does not address outcomes and the paper is therefore excluded. |
| Min, B. S. | "A water surcharge policy for river basin management in Korea: A means of resolving environmental conflict?" Water Policy 6 | 2004 | 4 | Excluded due to lack of primary research on outcomes. |

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| Mirumachi, N. | "The politics of water transfer between South Africa and Lesotho: Bilateral cooperation in the Lesotho Highlands Water Project | 2007 | 4 | Based mostly on secondary sources – there are data from pers comm, but important info comes from government reports (not critically analysed) and really key data are from other sources - e.g. (Meissner, R. & Turton, A.R. 2003) p.566 and (Ciccolo, A. 1992) p.567. |
| Mirumachi, N. and E. Van Wyk | "Cooperation at different scales: Challenges for local and international water resource governance in South Africa | 2010 | 4 | Examines cooperation over resources and highlights three aspects: power disparity, inter-dependence of stakeholders and risk. Does not assess the outcomes of the institutional mechanisms described in terms of pro-poor or SEG criteria. |
| Misra, S. | "Collective action: an alternative institutional arrangement for reducing water pollution in an industrial estate in India | 2000 | 4 | Contingent valuation and scenario analysis. |
| Mkandawire, T. W. and W. O. Mulwafu | "An analysis of IWRM capacity needs in Malawi | 2006 | 4 | Outlines the capacity requirements for IWRM rather than outcomes. |
| Moglia, M., P. Perez, et al. | "Water troubles in a Pacific atoll town | 2008 | 4 | Review, no primary research. |
| Mokorosi, P. S. and P. van der Zaag | "Can local people also gain from benefit sharing in water resources development? Experiences from dam development in the Orange-Senqu River Basin | 2007 | 4 | Theoretical framework with two cases based on secondary data/literature review. Excluded on the basis that there is no primary empirical research related to outcomes. |

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| Molden, D., D. Bin, et al. | Implications of environment and institutions for water productivity and water savings: lessons from two research sites in China | 2006 | 4 | Paper refers to downstream benefits and water savings but does not present evidence or data of this (or state what these benefits are in detail). Paper is therefore excluded because there is not data presented on outcomes linked to institutional mechanisms. |
| Molden, D., D. Bin, et al. | "Agricultural water productivity and savings: Policy lessons from two diverse sites in China | 2007 | 4 | This study is based on Molden et al (2006) and as such is excluded on the basis of no primary research. Molden (2006) is assessed separately. |
| Molle, F. | "Scales and power in river basin management: the Chao Phraya River in Thailand | 2007 | 3 | Theoretical discussion of questions of scale, interconnectedness and basin development using the example of the Chao Phraya. Does not explicitly address questions of the performance of institutional mechanisms using primary evidence of outcomes. |
| Molle, F. and A. Mamanpoush | Scale, governance and the management of river basins: A case study from Central Iran. Geoforum | 0 | 4 | Part primary research, part review article this study examines the history of water development in the basin and provides an overview of how this has contributed to closure and re-allocation. This study does not explicitly address the performance of institutional mechanisms traced to outcomes derived from empirical data. |
| Molle, F., J.-P. Venot, et al. | "Irrigation in the Jordan Valley: Are water pricing policies overly optimistic?" Agricultural Water Management 95 | 2008 | 4 | Study looks at 'potential' impacts and what might and could happen. Essentially a scenario modelling study based on primary research. Excluded because the outcomes are 'potential' rather than observed. |
| Mollinga, P. P. | "Water and politics: Levels, rational choice and South Indian canal irrigation | 2001 | 4 | Theoretical discussion paper with illustrative case study. No outcomes. |

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| Montero, S. G., E. S. Castellón, et al. | "Collaborative governance for sustainable water resources management: The experience of the Inter-municipal Initiative for the Integrated Management of the Ayuquila River Basin, Mexico | 2006 | 4 | Describes the experiences of 10 associations in sustainable water management. The article is descriptive. Evidence presented is from secondary sources. Excluded due to lack of primary research on the outcomes of the institutional arrangements described. |
| Moore, M. | "The fruits and fallacies of neoliberalism: The case of irrigation policy | 1989 | 3(I) | |
| Mosello, B. | "Water in Central Asia: A prospect of conflict or cooperation?" Journal of Public and International Affairs 19: 151-174 | 2008 | 4 | Excluded due to lack of primary research on outcomes. |
| Movik, S. | "Allocation discourses: South African water rights reform | 2011 | 4 | Excluded due to lack of primary research on outcomes. |
| Muhweezi, A. B., G. M. Sikoyo, et al. | "Introducing a Transboundary Ecosystem Management Approach in the Mount Elgon Region: The need for strengthened institutional collaboration | 2007 | 4 | Brief report outlining the main elements and success of an ecosystem management approach. Does not link to outcomes and is also slightly outside the topic scope of this review. |
| Mukherji, A. | "The energy-irrigation nexus and its impact on groundwater markets in eastern Indo-Gangetic basin: Evidence from West Bengal, India | 2007 | 4 | Paper excluded due to outcomes however other articles from this research team and this topic are included. |

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| Mul, M. L., J. S. Kemerink, et al. | "Water allocation practices among smallholder farmers in the South Pare Mountains, Tanzania: The issue of scale | 2010 | 3(I) | Main research is directed towards water sharing between irrigation furrows at the local level. In addition the study does not explicitly address the outcomes of these institutional mechanisms. |
| Mulwafu, A. F. a. W. | " If Government Failed, how are we to Succeed? The Importance of History and Context in Present-day Irrigation Reform in Malawi | 2007 | 3(I) | Study relates to IMT in Malawi |
| Mulwafu, W. | "Water demand management in Malawi: problems and prospects for its promotion | 2003 | 4 | Discusses water demand management in Malawi and provides detailed description of the institutional arrangements and constraints to implementation. Does not address the impacts, outcomes or effects of WDM. |
| Mulwafu, W. O. | "Water rights in the context of pluralism and policy changes in Malawi | 2010 | 4 | Discussion style paper. No outcomes analysed. |
| Mulwafu, W. O. and H. K. Msosa | "IWRM and poverty reduction in Malawi: A socio-economic analysis | 2005 | 4 | Does not address the outcomes if IWRM in Malawi using primary research. Examines the poverty reduction potential. |
| Murali, K., M. Kurian, et al. | Rule Compliance in Participatory Watershed Management: Is it a Sufficient Guarantee of Sustainable Rural Livelihoods? | 2005 | 3 | Study relates to management of resources within a watershed (specifically the construction of earthen dams to provide water for irrigation to enable fodder production to replace foraging and grazing of livestock in the forests). This is outside the scope of WRM as detailed in the protocol. |

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| Murtinho, F. | "Watershed Management and Adaptation to Environmental Change: A Case Study of Water User Associations in the Colombian Andes | 2009 | 4 | Study excluded because the research design is formulated to examine the factors that cause communities to implement adaptive strategies (these factors are shown to be self organization and external support). The study does not address the outcomes of these strategies. |
| Mushtaq, S., S. Khan, et al. | "Does reliability of water resources matter in the adoption of water-saving irrigation practices? A case study in the Zhanghe irrigation system, China | 2009 | 4 | research design examines whether and why water-saving practices are adopted rather than focusing on the outcomes of adoption. |
| Muyibi, S. A., A. R. Ambali, et al. | "The impact of economic development on water pollution: Trends and policy actions in Malaysia | 2008 | 4 | Review style article describing water pollution and institutional arrangements. Research element consists of testing the relationship between development and water pollution rather than the outcomes of institutional mechanisms. In addition no primary research has been conducted. |
| Mwendera, E. | "Overcoming constraints to the implementation of water demand management in southern Africa | 2003 | 4 | Assesses the status and constraints to implementing water demand management but does not link to outcomes of this institutional mechanism |
| Namara, R. E., R. K. Nagar, et al. | "Economics, adoption determinants, and impacts of micro-irrigation technologies: empirical results from India | 2007 | 3(I) | Irrigation |
| Nare, L., D. Love, et al. | "Involvement of stakeholders in the water quality monitoring and surveillance system: The case of Mzingwane Catchment, Zimbabwe | 2006 | 4 | Does not examine the outcomes of 'participation'. |

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| Nauta, T. A., A. E. Bongco, et al. | "Set-up of a decision support system to support sustainable development of the Laguna de Bay, Philippines | 2003 | 3 | Describes a water resources related project but does not address the question of institutional mechanisms and related outcomes. |
| Neaera Abers, R. and M. E. Keck | "Mobilizing the state: The erratic partner in Brazil's participatory water policy | 2009 | 4 | Detailed discussion relating to participation in Brazil's water management committees. Does not address the outcomes of these institutional arrangements. |
| Nel, J., Y. Xu, et al. | "Benefit and implementation of groundwater protection zoning in South Africa | 2009 | 4 | Essay/review style paper. No primary research addressing the outcomes of institutional mechanisms presented. |
| Nemarundwe, N. and W. Kozanayi | "Institutional Arrangements for Water Resource Use: a Case Study from Southern Zimbabwe* | 2003 | 3 | Examines issues related to rural water access/supply. Does not address outcomes. |
| Neysmith, J. and M. Dent | "Non-statutory barriers and incentives to stakeholder participation in reducing water pollution: A South African case study | 2010 | 4 | Examines perception and constraints/incentives for participation in the process. Does not address the outcomes of the process. |
| Ngana, J. O., R. B. B. Mwalyosi, et al. | "Development of an integrated water resources management plan for the Lake Manyara sub-basin, Northern Tanzania | 2003 | 4 | Identifies institutions and resources. Does not examine outcomes. |

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| Nyssen, J., W. Clymans, et al. | "Impact of soil and water conservation measures on catchment hydrological response-a case in north Ethiopia | 2010 | 3 | Hydrological study that does not address institutional mechanisms. |
| Oblitas, K. | Yemen: Land and Water Conservation Project, Taiz Water Supply Pilot Project, Sana'A Water Supply and Sanitation Project | 2006 | 4 | Evaluates 3 projects. Only the 1st 'Land and Water Conservation Project' is relevant as the others relate to water supply issues. There is not enough detail provided to determine whether the project had outcomes which could be considered pro-poor or SEG. Excluded on (4). |
| Pal, S. K., A. J. Adeloje, et al. | "Evaluation of the effectiveness of water management policies in Bangladesh | 2011 | 4 | Review of secondary sources and excluded due to lack of primary data. Nevertheless, very relevant paper. Maybe useful for background. The aim is to understand the effectiveness of water policy by looking at outcomes. I have excluded because there is no primary data. |
| Pattanayak, S. K. | "Valuing watershed services: Concepts and empirics from southeast Asia | 2004 | 4 | |
| Pena de Andrade, J. G., P. S. Franco Barbosa, et al. | "Interbasin Water Transfers: The Brazilian Experience and International Case Comparisons | 2011 | 4 | Does not address outcomes. |
| Perreault, T. | "State restructuring and the scale politics of rural water governance in Bolivia | 2005 | 4 | Excluded because this is a discussion paper (in the main) rather than based on primary research. It is also predominantly concerned with water services for irrigators rather than WRM as understood in the protocol. |

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| Perret, S. R. | "Water policies and smallholding irrigation schemes in South Africa: A history and new institutional challenges | 2002 | 4 | Looks at potential or probable impacts of implementation rather than observed outcomes. |
| Perry, J. and K. W. Easter | "Resolving the scale incompatibility dilemma in river basin management | 2004 | 4 | Conceptual paper with 3 supporting cases derived from literature rather than primary research. |
| PIETERSEN, K. and H. E. BEEKMAN | A comparative study of the linkages between river/lake basin organisations and the respective cooperating national governments in seven major African basins | 2008 | 4 | Detailed description of institutions and linkages to respective governments. Potential strengths and weaknesses of arrangements are detailed. The study does not extend to assessing the outcomes of transboundary water management. |
| Poolman, M. and N. Van de Giesen | "Participation: rHetic and reality | 2006 | 3 | The focus of this research is participation in development projects rather than water resources. Research excluded on relevance. |
| Porto, M., R. L. L. Porto, et al. | "A participatory approach to watershed management: The Brazilian system | 1999 | 4 | Describes and discusses water reform in Brazil but does not address outcomes. |
| Porto, R. L. and M. F. A. Porto | "Planning as a tool to deal with extreme events - The new Brazilian Water Resources Management System | 2002 | 4 | Detailed description of institutional arrangements but does not address outcomes. |

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| Potkanski, T. and W. M. Adams | "Water scarcity, property regimes and irrigation management in Sonjo, Tanzania | 1998 | 3(I) | |
| Powers, K. L. | "International economic institutions: Formal mechanisms for dealing with resource conflict | 2005 | 4 | No primary research. |
| Prasad, K. C., B. van Koppen, et al. | "Equity and productivity assessments in the Olifants River basin, South Africa | 2006 | 4 | Theoretical and methodological discussion linked to Prasad et al. (2007). |
| Prasad, K., K. M. Strzepek, et al. | "An approach to assessing socioeconomic implications of water management alternatives | 2007 | 4 | Paper aims to develop a methodology which is then applied to estimate the different socio-economic impacts of alternative water management strategies. Excluded as this is a form of scenario modelling. |
| Pugh, J. and F. O. Sarmiento | "Selling the Public on Sustainable Watershed Conservation | 2004 | 4 | Based on assessment of perception rather than outcomes. |
| Qua-Enoo, A. B., K. Schendel, et al. | "South Africa's reserve: Challenges and recommendations for implementing sustainable development policies | 2006 | 4 | Detailed examination of the constraints and challenges to implementing the Reserve in South Africa. Does not address pro-poor or SEG of implementation. |

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| Quinn, C. H., M. Huby, et al. | "Design principles and common pool resource management: An institutional approach to evaluating community management in semi-arid Tanzania | 2007 | 3(I) | |
| Rahaman, M. M. | "Integrated Ganges basin management: conflict and hope for regional development | 2009 | 4 | Examines potential rather than actual benefits. |
| Rahm, D., L. Swatuk, et al. | "Water resource management in botswana: Balancing sustainability and economic development | 2006 | 4 | No outcomes of water policy provided. |
| Rajabu, K. R. M. | "Use and impacts of the river basin game in implementing integrated water resources management in Mkoji sub-catchment in Tanzania | 2007 | 3 | Discusses results of gaming as a decision-making, awareness creating aid. |
| Rakhmatullaev, S., F. Huneau, et al. | "Groundwater resources use and management in the Amu Darya River Basin | 2010 | 4 | Overview paper, does not address the outcomes of institutional mechanisms. |
| Rama Mohan Roa, B., James, Nagaraja, Seeley, Butterworth | "<Andhra Pradesh Rural Livelihoods Programme Water Audit Report | 2003 | 4 | This is not a research project and does not seek to assess the outcomes of institutional mechanisms for WRM. The report does however touch on many relevant areas and seeks to provide baseline data for studies. |

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| Ramirez, O. A., F. A. Ward, et al. | "Efficient water conservation in agriculture for growing urban water demands in Jordan | 2011 | 3 (I) | |
| Randhir, T. and C. Genge | "Watershed based, institutional approach to developing clean water resources | 2005 | 4 | Development of a conceptual framework and planning tool that may lead to potential impacts. No actual/observed outcomes so study is excluded. |
| Ranganath, B. K., P. G. Diwakar, et al. | Participatory watershed development using eo inputs - A working model for poverty alleviation and improved livelihood in rural India | 2006 | 3 | |
| Ratna Reddy, V., M. Gopinath Reddy, et al. | "Sustaining rural livelihoods in fragile environments: Resource endowments and policy interventions - A study in the context of participatory watershed development in Andhra Pradesh | 2008 | 3 | The study looks at the outcomes of watershed development using a with/without scenario to compare livelihood implications of WSD in villages that have adopted these approaches and a village that has not. The activates described as WSD are not considered to be closely linked to water resources management as defined in the protocol and therefore this study is excluded on relevance to topic (3). |
| Ravnborg, H. M. | "Water management and the poor: Issues and scales of action | 2006 | 3(S) | About individual of village level mechanisms for access to water supply rather than the questions of water resources management as detailed in the protocol. |
| Reddy, V. R. | WATER AND POVERTY: A CASE OF WATERSHED DEVELOPMENT IN ANDHRA PRADESH, INDIA | | 3 | The watershed activities documented in this report relate mainly to ponds and irrigation, construction of bunds and soil conservation plus livelihood activities. They are outside the scope of WRM as described in the protocol. |

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| Reddy, V. R. | "Costs of resource depletion externalities: A study of groundwater overexploitation in Andhra Pradesh, India | 2005 | 3 | Examines the impacts of resource degradation. Does not assess the performance of institutional mechanisms. |
| Reddy, V. R. and Y. V. M. Reddy | "Hydrological externalities and livelihoods impacts: Informed communities for better resource management." Journal of Hydrology. http://www.scopus.com/inward/record.url?eid=2-s2.0-78649592980&partnerID=40&md5=4a731833c7f0a68d03a03b203583735b | | 4 | |
| Reddy, V. R., M. G. Reddy, et al. | "Participatory watershed development in India: Can it sustain rural livelihoods?" Development and Change 35 | 2004 | 3 | The watershed activities documented in this report relate mainly to ponds and irrigation, construction of bunds and soil conservation plus livelihood activities. They are outside the scope of WRM as described in the protocol. |
| Resurreccion, B. P., M. J. Real, et al. | "Officialising strategies: Participatory processes and gender in Thailand's water resources sector | 2004 | 4 | Examines processes and implementation of participation. Does not address the outcomes of these institutional mechanisms (notes that gender issues and participation of women has been over-looked). |
| Retief, F. | "Quality and effectiveness of strategic environmental assessment | 2007 | 4 | Assesses the implementation of a decision-making tool. Does not address pro-poor or SEG outcomes. |
| Richards, A. and N. Singh | "Inter-state water disputes in India: Institutions and policies | 2002 | 4 | Theoretical discussion/review paper. No outcomes. |

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| Rieckermann, J., H. Daebel, et al. | "Assessing the performance of international water management at Lake Titicaca | 2006 | 4 | The objective of this paper is to assess the performance of the tool/metric rather than to investigate new information on Lake Titicaca. The study uses secondary data to test the tool and is therefore excluded due to lack of primary research. |
| Rockström, J., C. Folke, et al. | "A watershed approach to upgrade rainfed agriculture in water scarce regions through Water System Innovations: An integrated research initiative on water for food and rural livelihoods in balance with ecosystem functions | 2004 | 4 | IWRM approach and conceptual framework described but no outcomes given. |
| Rodrigues, F. D. A. and S. Y. Pereira | "Problems of groundwater management and the need for its inclusion in the Brazilian national model of integrated water resources management | 2008 | 4 | Discussion/overview style paper. No outcomes presented. |
| Roe, A. | Water Sector Reform in Armenia, World Bank | 2003 | 4 | Reviews potential impacts of proposed water sector reform. |
| Rosegrant, M. W. and R. G. Schleyer | "Establishing tradable water rights: Implementation of the Mexican water law | 1996 | 4 | Detailed description of new law and related policies. Does not examine the outcomes of tradable water rights. |
| Rozelle, S., J. Huang, et al. | "Poverty, population and environmental degradation in China | 1997 | 4 | Based on secondary data. |

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| Ruet, J., M. Gambiez, et al. | "Private appropriation of resource: Impact of peri-urban farmers selling water to Chennai Metropolitan Water Board | 2007 | 3(S) | Water Supply rather than WRM. |
| Rwakakamba, T. M. | "How Effective are Uganda's Environmental Policies? A Case Study of Water Resources in 4 Districts, With Recommendations on How to Do Better | 2009 | 4 | A sub-section of the study looks at the effectiveness of policy however this is confined to examining the reasons why implementation of policy is difficult rather than the impact of such policies. |
| Rwakakamba, T. M. | "How effective are Uganda's environmental policies?" Mountain Research and Development 29 | 2009 | D | |
| Sajor, E. E. and T. Nguyen Minh | "Institutional and Development Issues in Integrated Water Resource Management of Saigon River | 2009 | 4 | No primary research related to outcomes. |
| Saleth, R. M. | "Strategic Analysis of Water Institutions in India Application of a New Research Paradigm | 2004 | 4 | Conceptual theoretical framework and discussion piece. Very relevant but is not a 'study' to determine proper-poor outcomes. |
| Saleth, R. M. and A. Dinar | "Water institutional reforms: theory and practice | 2005 | 4 | Theoretical discussion paper to introduce a special edition. Excluded due to lack of primary data. Very relevant however for background information and theory. |

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| Saleth, R. M. and A. Dinar WATER CHALLENGE AND INSTITUTIONAL RESPONSE : A CROSS-COUNTRY PERSPECTIVE | | | 4 | Review style paper. No primary data addressing outcomes. |
| Saleth, R. M., A. Kadushkin, et al. | "Water institutional reforms and the MDGs: towards an evaluation framework | 2007 | 4 | Conceptual and analytical framework. |
| Samad, M. | "Water institutional reforms in Sri Lanka | 2005 | 4 | Theoretical analysis and discussion of water reform in Sri Lanka. Does not address the outcomes of these reforms. |
| Sandoval, R. | "A participatory approach to integrated aquifer management: The case of Guanajuato State, Mexico | 2004 | 4 | Project description documenting achievements and lessons learned. Does not study outcomes. |
| Santos-Borja, A. and D. N. Nepomuceno | "Laguna de Bay: Institutional development and change for lake basin management | 2006 | 4 | Overview style paper. |
| Saragih, B. and S. Sunito | "Lake Toba: Need for an integrated management system | 2001 | 4 | Describes the current scenario and outlines needs for better management. No outcomes. |

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| Saravanan, V. S. | Institutionalising community-based watershed management in India: Elements of institutional sustainability | 2002 | 4 | |
| Satyasai, K. J. S., K. Praduman, et al. | "Terms of transactions in groundwater markets: a study in Anantapur District of Andhra Pradesh | 1997 | | UNABLE TO LOCATE/ACCESS |
| Scatena, F. N., J. R. Ortiz-Zayas, et al. | "Helping HELP with limited resources: The Luquillo experience | 2008 | 4 | Describes the HELP programme but does not address the outcomes. |
| Schattan P. Coelho, V. and A. Favareto | "Questioning the Relationship between Participation and Development | 2008 | D | Duplicate of Coelho, V. S. P. and A. Favareto (2008) |
| Schleyer, R. G. and M. W. Rosegrant | "Chilean water policy: The role of water rights, institutions and markets | 1996 | 4 | Excluded due to lack of primary research |
| Schlueter, M. and E. Herrfahrtdt-Paehle | "Exploring Resilience and Transformability of a River Basin in the Face of Socioeconomic and Ecological Crisis: an Example from the Amudarya River Basin, Central Asia | 2011 | 4 | |

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| Schmeier, S. | Effective Governance of Transboundary Aquifers Through Institutions – Lessons Learned from River Basin Organizations | 2010 | 4 | Literature - nor primary research. |
| Schreiner, B. and B. Van Koppen | "Catchment Management Agencies for poverty eradication in South Africa | 2002 | 4 | Over-view, descriptive style article. Not clear whether primary research has been conducted. Excluded due to lack of primary research. |
| Schulze, R. | "Some Foci of Integrated Water Resources Management in the "South" which are oft-forgotten by the "North": A perspective from southern Africa | 2007 | 4 | No primary data. |
| Scott, C. A. and B. Sharma | "Energy supply and the expansion of groundwater irrigation in the Indus-Ganges Basin | 2009 | 3 | Does not address the performance of institutional mechanisms. |
| Scott, C. A. and J. M. Banister | "The Dilemma of Water Management 'Regionalization' in Mexico under Centralized Resource Allocation | 2008 | 4 | Interesting case that documents some of the inherent tensions in IWRM and reasons for slow implementation in Mexico. Review and historical analysis. Research design does not encompass outcomes of institutional mechanisms. |
| Scott, C. A. and T. Shah | "Groundwater overdraft reduction through agricultural energy policy: Insights from India and Mexico | 2004 | 4 | Exploratory piece evaluating options for groundwater overdraft including agricultural energy policy. |

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| Scott, C., F. Flores-López, et al. | "Appropriation of Río San Juan water by Monterrey City, Mexico: implications for agriculture and basin water sharing | 2007 | 4 | Excluded as there is no primary data on outcomes |
| Sène, A. M., S. Bonin, et al. | "Watershed regulation and local action: Analysis of the Senegal River watershed management by a regional organisation and public participation | 2007 | 4 | Examines the issue of participation in the OMVS. Does not examine the outcomes of participation. |
| Senzanje, A. and P. van der Zaag | "Institutional aspects of proportional water allocation in practice: Case of the Odzani River Irrigation Company, Save Catchment, Zimbabwe | 2004 | 4 | Examines the use of proportional allocation in Zimbabwe. Provides detailed assessment of how the system works and possible problems. Does not examine the outcomes of this mechanism in terms of pro-poor or SEG criteria. |
| Senzanje, A., E. Boelee, et al. | "Multiple use of water and water productivity of communal small dams in the Limpopo Basin, Zimbabwe | 2008 | 3 | Investigates the range of uses of water from small dams. Does not examine institutional performance. |
| Shah, T., M. U. Hassan, et al. | "Is Irrigation Water Free? A Reality Check in the Indo-Gangetic Basin | 2009 | 4 | No primary data. |
| Shen, D. and B. Liu | "Integrated urban and rural water affairs management reform in China: Affecting factors | 2008 | 4 | No primary data. |

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| Shen, Y. and H. Lein | "Treating water as an economic good: policies and practices in irrigation agriculture in Xinjiang, China | 2010 | 4 | Very detailed study investigating who water fees are collected from farmers. Does not look at the outcomes of this policy. |
| Sherwill, T., L. Arendse, et al. | "Stakeholder connectedness and participatory water resource management in South Africa | 2007 | 4 | Exploratory study in to the issue of 'connectedness' and participation in catchment management. Did not examine outcomes. |
| Singh, N. | "Equitable gender participation in local water governance: An insight into institutional paradoxes | 2008 | 3(S) | Focuses on gender dimensions of participation in local water governance , specifically water supply issues. |
| SIWI | Corruption Risks in Water Licensing With case studies from Chile and Kazakhstan, SIWI | 2009 | 4 | Examines the risk of corruption rather than the outcomes of corruption linked to licencing |
| Slinger, J. H., M. Hilders, et al. | "The practice of transboundary decision making on the incomati river: Elucidating underlying factors and their implications for institutional design | 2010 | 4 | Detailed study in to the processes and institutions related to the Incomati. Does not address pro-poor or SEG outcomes. |
| Snoussi, M., J. Kitheka, et al. | "Downstream and coastal impacts of damming and water abstraction in Africa | 2007 | 3 | Does not examine institutional mechanisms. |

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| Song, J. and D. Whittington | "Why have some countries on international rivers been successful negotiating treaties? A global perspective | 2004 | 4 | No primary data. |
| Speelman, S., A. Frija, et al. | "The importance of irrigation water rights: lessons from South Africa and Tunisia | 2011 | 4 | Choice experiment to value potential rather than observed improvements. |
| Speelman, S., A. Frija, et al. | "Variability in smallholders' irrigation water values: Study in North-West Province, South Africa | 2011 | 4 | Choice experiment to value potential rather than observed improvements. |
| Speelman, S., S. Farolfi, et al. | "The impact of the water rights system on smallholder irrigators' willingness to pay for water in Limpopo province, South Africa | 2010 | 4 | Choice experiment to value potential rather than observed improvements. |
| Speelman, S., S. Farolfi, et al. | "Valuing Improvements in The Water Rights System in South Africa: A Contingent Ranking Approach | 2010 | 4 | Examines potential impacts |
| Stahl, K. | "Influence of hydroclimatology and socioeconomic conditions on water-related international relations | 2005 | 4 | No primary data. |

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| Strauß, S. | "Water Conflicts among Different User Groups in South Bali, Indonesia | 2011 | 3 | This ethnographic study investigates the perception of an irrigation community of water shortages attributed to rising demand from urban centres and tourism. The study does not trace these perceptions or shortage outcomes to institutional mechanisms. The study is excluded on the basis of relevance (3) |
| Suárez, F. and R. J. Lombardo | "Pitting the polluted against the flooded: water resource management in Tigre, Buenos Aires | 2004 | 3 | Addresses the impact of water infrastructure rather than performance of an institutional mechanism. |
| Sultana, P., P. Thompson, et al. | "Can England learn lessons from Bangladesh in introducing participatory floodplain management?" Water Resources Management 22 | 2008 | 4 | Looks at the process of participation rather than directly addressing outcomes. In addition it is not clear whether this article is based on primary research. |
| Sun, R., M. Jin, et al. | "Urban and rural groundwater use in Zhengzhou, China: Challenges in joint management | 2009 | 4 | Overview/exploratory article. Detailed description of the status of water resources and various institutions and arrangements. Does not address pro-poor or SEG outcomes using primary research. |
| Suresh Kumar, D. | "An inquiry into collective action and sustainable participatory watershed management: Evidence from Southern India | 2011 | 4 | The research design addresses the factors that affect collective participation in watershed management rather than outcomes of watershed development. |
| Swallow, B., L. Onyango, et al. | Dynamics of poverty, livelihoods and property rights in the Lower Nyando basin of Kenya | 2005 | 3 | paper investigates poverty and livelihoods to a river basin. There is no link made between the outcomes and the institutional performance of mechanisms for water resources management. |

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|------------------------------------|---|------|------|--|
| Swatuk, L. A. and D. Rahm | "Integrating policy, disintegrating practice: Water resources management in Botswana | 2004 | 4 | Provides a range of possible factors linked to why IWRM is not practiced. |
| Swatuk, L. A. and M. Motsholapheko | "Communicating integrated water resources management: From global discourse to local practice - Chronicling an experience from the Boteti River sub-Basin, Botswana | 2008 | 4 | No outcomes of the institutional reform |
| Tan, Y. C., J. S. Lai, et al. | "Who benefits from allocating agricultural water to other sectors in Taiwan?" Irrigation and Drainage 58 | 2009 | 4 | No primary data on outcomes. |
| Tang, S. Y. | "Institutional Arrangements and the Management of Common-Pool Resources | 1991 | 3(I) | |
| Tankha, S. and B. Fuller | "Getting things done: bureaucratic and entrepreneurial approaches to the practice of participatory water management reforms in Brazil and India | 2010 | 4 | Large study looking at the process of reform rather than outcomes |
| Tapela, B. N. | "The challenge of integration in the implementation of Zimbabwe's new water policy: Case study of the catchment level institutions surrounding the Pungwe-Mutare water supply project | 2002 | 4 | Addresses issues related to implementation rather than the outcomes of an institutional mechanism. There is no method provided and it is therefore difficult to identify the primary data in this article. |

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| Tavakoli, A. | "NATIONALIZATION AND EFFICIENT MANAGEMENT OF WATER RESOURCES IN IRAN | 1987 | 4 | Detailed analysis of the NWRA. No outcomes based on primary empirical data. |
| Tewari, D. D. and R. L. Kushwaha | "Socio-economics of groundwater management in Limpopo, South Africa: poverty reduction potential and resource management challenges | 2008 | 4 | Describes institutional mechanisms but does not empirically determine the outcomes of these mechanisms. |
| The World Bank - Blomquist, W. D., Ariel ; Kemper, Karin | "Comparison of institutional arrangements for river basin management in eight basins | 2005 | 4 | Comparison of case studies. Source case studies have been identified and are reviewed separately. |
| The World Bank - Haas, L. J. M. M., Leonardo ; O'Leary, Donal T. ; Rossouw, Nigel | "Berg Water Project : communication practices for governance and sustainability improvement | 2010 | 3 | Case study of a dam building project and the importance of communication. |
| Torell, G. L. and F. A. Ward | "Improved water institutions for food security and rural livelihoods in Afghanistan's Balkh river Basin | 2010 | 4 | Scenario analysis of different water allocation arrangements assessed with a model. No primary data on outcomes. |
| Tortajada, C. | "Legal and regulatory regime for water management in Mexico and its possible use in other Latin American countries | 1999 | 4 | |

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| Tortajada, C. | "Evaluation of river basin management: The Mexican case | 2004 | 4 | |
| Tortajada, C. and N. Contreras-Moreno | "Institutions for river basin development in Mexico, 1947-1986 | 2007 | 4 | No primary data |
| Tumbare, M. J. | "Managing Lake Kariba sustainably: Threats and challenges | 2008 | 3 | Does not address the outcomes of institutional performance but describes the Lake and the activities undertaken by the ZRA. |
| Turpie, J. K., C. Marais, et al. | "The working for water programme: Evolution of a payments for ecosystem services mechanism that addresses both poverty and ecosystem service delivery in South Africa | 2008 | 4 | Review style paper. No primary data |
| UNEP | "Hydropolitical Vulnerability and Resilience Along International Waters : Latin America and the Caribbean | 2008 | 3 | assessment of hydropolitics and resilience rather than a study designed to assess the performance of institutional mechanisms wrt pro-poor outcomes. |
| Upadhyay, B. | "Water, poverty and gender: Review of evidences from Nepal, India and South Africa | 2003 | 3 (I) | |

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|------------------------------------|---|------|------|---|
| USAID | MOROCCO WATERSHED PROTECTION AND MANAGEMENT FINAL REPORT | 2005 | 4 | Project review describing interventions and achievements rather than research in to the performance of institutional mechanisms through primary research on outcomes. |
| V. Ratna, R. | "Costs of resource depletion externalities: a study of groundwater overexploitation in Andhra Pradesh, India | 2005 | 3 | Examines the cost and impact of resource degradation but does not address institutional mechanisms and their performance. |
| Van Koppen, B. | "Water rights, gender, and poverty alleviation | 1998 | 3(I) | Examines choices of irrigation agencies. In addition this is literature review/overview paper and would also be excluded because there is no primary evidence. |
| Van Koppen, B. | "Water reform in Sub-Saharan Africa: What is the difference?" Physics and Chemistry of the Earth 28 | 2003 | 4 | Overview/review style article. No primary research tracing outcomes to institutional mechanisms. |
| Van Koppen, B. | "Redressing inequities of the past from a historical perspective: The case of the Olifants basin, South Africa# | 2008 | 4 | Team review, excluded on outcomes. |
| Van Oel, P. R., M. S. Krol, et al. | "A river basin as a common-pool resource: A case study for the Jaguaribe basin in the semi-arid Northeast of Brazil | 2009 | 3 | Does not address institutional mechanisms. |

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| Varis, O. and M. Keskinen | "Socio-economic analysis of the Tonle Sap region, Cambodia: Building links and capacity for targeted poverty alleviation | 2003 | 3 | Project document analysing poverty and socio-economics. Does not examine the performance of institutional mechanisms for WRM. |
| Varis, O., M. M. Rahaman, et al. | "The rocky road from integrated plans to implementation: Lessons learned from the Mekong and Senegal River Basins | 2008 | 4 | Overview of historical development in two river basins compared to IWRM milestones. Does not address the outcomes of institutional performance (using primary research). |
| Venot, J.-P. and F. Molle | "Groundwater Depletion in the Jordan Highlands: Can Pricing Policies Regulate Irrigation Water Use?" Water Resources Management 22 | 2008 | 4 | The institutional mechanism in question (a law related to a quota and block tariff pricing) has not been implemented. The research address the impacts of this mechanism by comparing four possible future scenarios. The study is excluded because the 'outcomes' are potential rather than observed. |
| Vermeer, E. B. | "Industrial pollution in China and remedial policies | 1998 | 4 | Over-view style article. |
| Vicente Guerrero Reynoso, L. A. E. | "Towards a new water management practice: Experiences and proposals from Guanajuato state for a participatory and decentralized water management structure in Mexico | 2000 | 4 | No primary research on outcomes. |
| Vishnudas, S., H. H. G. Savenije, et al. | "Sustainability analysis of two participatory watershed projects in Kerala | 2008 | 3 | excluded as the majority of the work completed under the watershed development project relates to irrigation and forest management e.g. rehabilitation of village pond and constructing irrigation canals , planting trees and contour bunds etc. |

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| von Bertrab, E. | "Guadalajara's water crisis and the fate of Lake Chapala: a reflection of poor water management in Mexico | 2003 | 4 | No primary data on outcomes. |
| Waalewijn, P., P. Wester, et al. | "Transforming river basin management in South Africa lessons from the Lower Komati river | 2005 | 4 | Examines processes but not outcomes. |
| Wang, J., J. Huang, et al. | "Irrigation management reforms in the Yellow River Basin: Implications for water saving and poverty | 2007 | 3(I) | |
| Wang, J., J. Huang, et al. | "Understanding the water crisis in Northern China: What the government and farmers are doing | 2009 | 4 | Describes the range of responses to water scarcity rather than the impacts of these behaviours or mechanisms. |
| Wang, J., J. Huang, et al. | "Water governance and water use efficiency: The five principles of WUA management and performance in China | 2010 | 3 (I) | |
| Wang, X. and E. D. Ongley | "Transjurisdictional water pollution disputes and measures of resolution: Examples from the Yellow River Basin, China | 2004 | 4 | |

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| Wegerich, K. | "Organizational problems of water distribution in Khorezm, Uzbekistan | 2004 | 3(I) | The study analyses water distribution within irrigation systems (canals) with no links to wider water resources management issues. |
| Wegerich, K. | "Blueprints for water user associations' accountability versus local reality: evidence from South Kazakhstan | 2008 | 3 (I) | Focuses on IMT which is outside the scope of this study. |
| Wegerich, K. and O. Olsson | "Late developers and the inequity of "equitable utilization" and the harm of "do no harm" | 2010 | 4 | Theoretical exploration. |
| Wei, Y., H. Miao, et al. | "Environmental water requirements and sustainable water resource management in the Haihe River Basin of North China | 2008 | 4 | Scenario modelling |
| Weng, T. K. | "An Appropriate Institutional Framework Towards Integrated Water Resources Management in Pahang River Basin , Malaysia | 2009 | 4 | No outcomes assessed. |
| Wester, P. | Shedding the waters : institutional change and water control in the Lerma-Chapala Basin, Mexico | 2008 | 4 | Wide-ranging thesis covering a number of aspects of water governance and the history and politics of the Lerma-Chapala Basin. The focus of the thesis outlined on p18 does not explicitly address the performance of institutional mechanisms using outcomes (impacts on the ground) derived from empirical, primary research. The aim is rather to highlight the socio-political processes and the importance of river basin history in understanding water reform and over-exploitation in the basin. |

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| Wester, P., D. J. Merrey, et al. | "Boundaries of Consent: Stakeholder Representation in River Basin Management in Mexico and South Africa | 2003 | 4 | Does not address pro-poor/SEG outcomes. |
| Wester, P., J. Hoogesteger, et al. | "Local IWRM organizations for groundwater regulation: The experiences of the Aquifer Management Councils | 2009 | 4 | No pro-poor outcomes/SEG outcomes reported but that is because the reforms are fraught with difficulty - many reasons are given for this. This would be good for background info. |
| Wester, P., S. Vargas-Velazquez, et al. | "Negotiating surface water allocations to achieve a soft landing in the closed Lerma-Chapala basin, Mexico | 2008 | 4 | Describes basin closure and processes of negotiation for surface water allocation. Does not empirically examine the impacts or outcomes in terms of pro-poor or SEG criteria. |
| Wilder, M. | "Water, Power, and Social Transformation: Neoliberal Reforms in Mexico | 2005 | 4 | Overview style essay based on previous thesis work. |
| Wilder, M. | "Water governance in Mexico: Political and economic aperatures and a shifting state-citizen relationship | 2010 | 4 | Focuses on water reforms in Mexico. Uses a longitudinal approach with research in 1999 to 2008. Article is excluded because the outcomes of the implementation of River Basin Councils is not reported in terms of Pro-poor or SEG. More detail is given to the impacts of IMT reform but this is outside the scope of the study. |
| Wilder, M. and P. Romero Lankao | "Paradoxes of Decentralization: Water Reform and Social Implications in Mexico | 2006 | 4 | Review, no primary research presented in this article. |

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| Wilder, M., C. A. Scott, et al. | "Adapting across boundaries: Climate change, social learning, and resilience in the U | 2010 | 3 | Examines 3 possible strategies for adaptation in this setting. |
| Woodhouse, P. | "African enclosures: A default mode of development | 2003 | 3 | |
| World Bank | Policy issues and notes, Argentina". http://www-wds.worldbank.org/external/default/WDSCo ntentServer/WDSP/IB/2008/06/11/000333038_20080611054457/Rendered/PDF/207290ESW0ADD01aticAnnexes09PUBLIC1.pdf | 2000 | 4 | Detailed report description of various aspects of water policy, legislation and hydrology in Argentina. This is not a study and does not address the outcomes of institutional mechanisms. |
| World Bank, G. M. | "Mexico – The 'Cotas': Progress with Stakeholder Participation in Groundwater | 2004 | 4 | No pro-poor or SEG outcomes. Reviews progress of COTAS project. |
| World Bank, T. W. | "Institutional frameworks in successful water markets - Brazil, Spain, and Colorado, USA | 1999 | 4 | 3 case studies of water markets presented. Only the Brazilian case falls within the geographical scope of this project. The case provides a detailed description of the institutional arrangements and historical account of their evolution. The study is excluded due to lack of focus on outcomes. |
| World Bank, T. W. | "The role of water policy in Mexico | 2006 | 4 | Summarises and reviews a series of background papers which assess and analyse Mexico's water policy. Neither this paper nor those summarised address current impacts or outcomes of institutional mechanisms. Instead various options are explored. |

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| World Bank, W. | "Inter-sectoral water allocation, planning and management | 1999 | 4 | Does not address the outcomes of existing mechanisms using primary data. |
| Woyessa, Y. E., E. Pretorius, et al. | "Up-scaling of rain-water harvesting for crop production in the communal lands of the Modder River basin in South Africa: Comparing upstream and downstream scenarios | 2006 | 3 | Scenario comparison and analysis. Does not address the performance of institutional mechanisms for WRM. |
| Wu, Y., Y. Tang, et al. | "Harvesting of rainwater and brooklets water to increase mountain agricultural productivity: A case study from a dry valley of southwestern China | 2009 | 3 | Excluded because this is not about the management of water resources as defined in the protocol. It examines local impacts of ponds to collect rainwater etc. rather than extending the analysis to the basin level/outside the village system. |
| Xu, H., M. Ye, et al. | "The water transfer effects on agricultural development in the lower Tarim River, Xinjiang of China | 2008 | 3 | Examines the impact of dam removal rather than the performance of an institutional mechanism. |
| Xu, X., G. Huang, et al. | "Assessing the groundwater dynamics and impacts of water saving in the Hetao Irrigation District, Yellow River basin | 2010 | 4 | Model to compare water saving scenarios. |
| Yan, F., H. Daming, et al. | "Water resources administration institution in China | 2006 | 4 | Detailed description of institutional arrangements but does not address outcomes using primary empirical research. |

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| Yang, H., X. Zhang, et al. | "Water scarcity, pricing mechanism and institutional reform in northern China irrigated agriculture | 2003 | 4 | Calculation of demand curves for theoretical increases in price rather than observed outcomes of actual policy. Excluded on the basis of 4. |
| Yates, J. S. | "Limits to adapting to water variability in rural Nepal: Gaps in community-based governance | 2011 | 3 | This is about the absence of institutional mechanisms for water resources management. |
| Youkhana, E. and W. Laube | "Virtual water trade: A realistic policy option for the countries of the Volta Basin in West Africa?" Water Policy 11 | 2009 | 4 | Analyses virtual water as a policy tool. Does not address outcomes. |
| Yuling, S. and H. Lein | "Treating water as an economic good: policies and practices in irrigation agriculture in Xinjiang, China | 2010 | 4 | Might be out on outcomes (unless the discussion on what happens to water fees counts) or irrigation? |
| Zekri, S. and A. S. Al-Marshudi | "A millenarian water rights system and water markets in Oman | 2008 | 4 | Detailed description of institutional mechanism but no primary research on outcomes. |
| Zeng, S., M. Tian, et al. | Post evaluation of water pollution control planning for Huai River Basin in China | 2008 | 4 | Does not address pro-poor or SEG outcomes. |

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| Zhang, J. L. and F. R. Zhang | "Mutual monitoring in a tradable water rights system: A case study of Zhangye City in Northwest China | 2008 | 4 | Establishes that the water trading system is not functioning or well implemented as water use is higher than quotas. Does not link to pro-poor or SEG outcomes. |
| Zhang, J., F. Zhang, et al. | "Transaction costs in water markets in the Heihe River Basin in Northwest China | 2009 | 4 | Does not examine the outcome or impact of trading but the transaction costs of implementation. This is excluded on pro-poor/SEG outcomes. |
| Zhang, L., J. Wang, et al. | "Development of Groundwater Markets in China: A Glimpse into Progress to Date | 2008 | 4 | Describes the emergence and characteristics of groundwater markets in China. Does not address the impacts or outcomes of groundwater markets (although highlights the need for research in this area). |
| Zhao, J., Z. Wang, et al. | "Evaluation of economic and hydrologic impacts of unified water flow regulation in the yellow river basin | 2009 | 4 | Interesting paper but it is excluded as the study uses secondary data to create a model. The research design is a 'with/without' institutional water reform comparison. Actual (but secondary) data was used to calculate the 'with reform' benefits. 4 assumptions were applied to generate an estimate of the situation in the event that no water reforms had taken place. |
| Zheng, H., Z. Wang, et al. | "A Water Rights Constitution for Hangjin Irrigation District, Inner Mongolia, China | 2009 | 4 | The data in this project is secondary and based on a final project report (WET, 2007). This has been retrieved and assessed separately. |
| Zoomers, A. | "Three decades of rural development projects in Asia, Latin America, and Africa - Learning from successes and failures | 2005 | 4 | Meta-analysis of rural development projects. |

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| Blomquist, William, Maureen Ballester, Anjali Bhat, and Karin Kemper 2004e | Institutional and policy analysis of river basin management in the Tárcoles River, Costa Rica | 2004 | 4 | The treatment of outcomes (Section 7) does not present tangible pro-poor or SEG outcomes. Nevertheless the study contains detailed descriptions of the institutional arrangements and suggested factors to explain the function of the river basin organisation. |
| Formiga Johnsson, Rosa Maria and Karin E. Kemper | Institutional and policy analysis of river basin management in the Alto Tietê River, Sao Paulo, Brazil | 2005 | 4 | Despite detailed analysis of the institutional arrangements, the metrics of performance and success do not align with the outcomes detailed in review protocol. This study looks at 'process goals' such as degree of financial self sufficiency rather than the tangible impacts of water reform on the poor. This paper is therefore excluded. |
| Formiga Johnsson, Rosa Maria and Karin E. Kemper | Institutional and policy analysis of river basin management in the Jaguaribe River, Brazil | 2005 | D | See main mapping matrix for duplicate study. |
| Fayasse, N. | An Assessment of small-scale users' inclusion in large-scale water users associations of South Africa. IWMI Research Report, 84. International Water Management Institute, Colombo. | 2004 | 4 | Assesses potential benefits rather than realised outcomes. |
| Faysse, Nicolas; Gumbo, J. | The transformation of irrigation boards into water user associations in South Africa: Case studies of the Umlaas, Komati, Lomati and Hereford Irrigation Boards. Volume 2. Colombo, Sri Lanka: IWMI. ix, 57p. (IWMI working paper 73) | 2004 | 4 | The research does not address the outcomes of institutional mechanisms. |

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| Eakin, H., and Appendini, K. | Livelihood change, farming, and managing flood risk in the Lerma Valley, Mexico | 2008 | 3 | Does not examine the performance of an institutional mechanism. |
| Aylward, B. & Fernández-González, A. | Institutional arrangements for watershed management: a case study of Arenal. Costa Rica. CREED Working Paper No. 21. London. IIED | 1998 | 3 | WSD development activities as described are outside the scope of the protocol. |
| Thebaud, B. and Cotula, L. | Land and water rights in the Sahel Tenure challenges of improving access to water for agriculture | 2005 | 3 | The bulk of this research relates to access to public water points or irrigation rather than water resources management. |
| Sharma, B., et al., | The Indus and the Ganges: river basins under extreme pressure. | 2010 | 4 | Overview style paper. Where evidence on outcomes is presented this is secondary (and the papers cited are those included in this review and assessed separately). |
| Ringler, C., et al., | Yellow River basin: living with scarcity. | 2010 | 4 | Detailed description of water resources, poverty indicators and institutions. Does not directly address the outcomes of institutional mechanisms. |
| Ogilvie, A., et al., | Water agriculture and poverty in the Niger River basin. | 2010 | 4 | Detailed description of water resources, poverty indicators and institutions. Does not directly address the outcomes of institutional mechanisms. |

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| Kirby, M., et al., | The Mekong: a diverse basin facing the tensions of development. | 2010 | 3 | Review style paper. No specific focus on the performance of institutional mechanisms. |
| Ahmad, A. and Giordano, M., | The Karkheh River basin: the food basket of Iran under pressure | 2010 | 3 | Examines water productivity and poverty in the basin but does not address insitutional mechanisms and their performance. |
| Devkota, H. and M. Bhattarai. | Process documentation research of Melamchi Water Supply Project. Kathmandu, Nepal: IWMI and WECS | 2001 | 4 | Evaluates potential impacts of infrastructure. Does not examine the outcomes of institutional mechanisms. |
| Mishra, V.S. | Integrated development and management of water resources for productive and equitable use: Water accounting for Indrawati river basin, Nepal. Kathmandu, Nepal: Water and Energy Commission Secretariat (WECS) and International Water Management Institute (IWMI); | 2000 | 3 | Water accounting paper. Does not examine the performance of institutional mechanisms. |
| Pant, D. and M. Bhattarai. | Integrated development and management of water resources in Indrawati river basin, Nepal: A study on formal and informal institutions on water management. Kathmandu, Nepal: International Water Management Institute (IWMI) and Water and Energy Commission Secretariat (WECS); | 2000 | 4 | Describes the role of formal and informal mechanisms. Does not trace outcomes through to insitutional performance. |

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| Pun, S. | Study on stakeholders' inclusion - exclusion processes in Indrawati river basin. Kathmandu, Nepal: IWMI and WECS. | 2000 | 4 | Describes situation and processes. Includes a number of descriptive statistics. Does not link outcomes to institutional mechanisms. |
| WET | Water Entitlements and Trading Project (WET Phase 2) Final Report December 2007 [in English and Chinese] (Beijing: Ministry of Water Resources, People's Republic of China and Canberra: Department of the Environment, Water, Heritage and the Arts, Australian Government). Available at: http://www.environment.gov.au/water/action/international/wet2.html | 2007 | 4 | Does not examine pro-poor or SEG outcomes. Uses a model to compare scenarios, reports the findings of two pilot studies and provides guidelines for future implementation. |