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Water Governance: Retheorizing Politics -

Nicole J. Wilson 2019-10-11

This republished Special Issue highlights recent and emergent concepts and approaches to water governance that re-centers the political in relation to water-related decision making, use, and management. To do so at once is to focus on diverse ontologies, meanings and values of water, and related contestations regarding its use, or its importance for livelihoods, identity, or place-making. Building on insights from science and technology studies, feminist, and postcolonial approaches, we engage broadly with the ways that water-related decision making is often depoliticized and evacuated of political content or meaning—and to what effect. Key themes that emerged from the contributions include the politics of water infrastructure and insecurity; participatory politics and multi-scalar governance dynamics; politics related to emergent technologies of water (bottled or packaged water, and water desalination); and Indigenous water governance.

Rural-Urban Water Struggles - Lena Hommes 2020-06-30

Rural-Urban Water Struggles compiles diverse analyses of rural-urban water connections,

discourses, identities and struggles evolving in the context of urbanization around the world. Departing from an understanding of urbanization as a process of constant making and remaking of multi-scalar territorial interactions that extend beyond traditional city boundaries and that deeply reconfigure rural-urban hydrosocial territories and interlinkages, the chapters demonstrate the need to reconsider and trouble the rural-urban dichotomy. The contributors scrutinize how existing approaches for securing urban water supply – ranging from water transfers to payments for ecosystem services – all rely on a myriad of techniques: they are produced by, and embedded in, specific institutional and legal arrangements, actor alliances, discourses, interests and technologies entwining local, regional and global scales. The different chapters show the need to better understand on-the-ground realities, taking account of inequalities in water access and control, as well as representation and cultural-political recognition among rural and urban subjects. Rural-Urban Water Struggles will be of great use to scholars of water governance and justice, environmental justice and political ecology. This

book was originally published as a special issue of *Water International*.

[Adaptation to Climate Change through Water Resources Management](#) - Dominic Stucker
2014-08-27

The impacts of human-induced climate change are largely mediated by water, such as alterations in precipitation and glacial melt patterns, variations in river flow, increased occurrence of droughts and floods, and sea level rise in densely populated coastal areas. Such phenomena impact both urban and rural communities in developed, emerging, and developing countries. Taking a systems approach, this book analyzes evidence from 26 countries and identifies common barriers and bridges for local adaptation to climate change through water resources management. It includes a global set of case studies from places experiencing increased environmental and social pressure due to population growth, development and migration, including in Africa, Asia, Australia, Europe, North and South America. All chapters consider the crosscutting themes of adaptive capacity, equity, and sustainability. These point to resilient water allocation policies and practices that are capable of protecting social and environmental interests, whilst ensuring the efficient use of an often-scarce resource.

The Routledge Handbook of Environmental Justice - Ryan Holifield 2017-09-14

The Routledge Handbook of Environmental Justice presents an extensive and cutting-edge introduction to the diverse, rapidly growing body of research on pressing issues of environmental justice and injustice. With wide-ranging discussion of current debates, controversies, and questions in the history, theory, and methods of environmental justice research, contributed by over 90 leading social scientists, natural scientists, humanists, and scholars from professional disciplines from six continents, it is an essential resource both for newcomers to this research and for experienced scholars and practitioners. The chapters of this volume examine the roots of environmental justice activism, lay out and assess key theories and approaches, and consider the many different substantive issues that have been the subject of activism, empirical research, and policy

development throughout the world. The Handbook features critical reviews of quantitative, qualitative, and mixed methodological approaches and explicitly addresses interdisciplinarity, transdisciplinarity, and engaged research. Instead of adopting a narrow regional focus, it tackles substantive issues and presents perspectives from political and cultural systems across the world, as well as addressing activism for environmental justice at the global scale. Its chapters do not simply review the state of the art, but also propose new conceptual frameworks and directions for research, policy, and practice. Providing detailed but accessible overviews of the complex, varied dimensions of environmental justice and injustice, the Handbook is an essential guide and reference not only for researchers engaged with environmental justice, but also for undergraduate and graduate teaching and for policymakers and activists.

[Social Capital and Enterprise in the Modern State](#) - Éidín Ní Shé 2018-02-22

Given the global crises confronting the world today, it is important to interrogate the notion of “the modern state” and to evaluate its effectiveness in providing security and services for its populations, including the most disadvantaged and vulnerable. This book investigates the modern state’s capacity to serve its constituents by examining the organisations that facilitate two key elements of contemporary living: social capital and social enterprise. These elements are explored in a series of rich case studies located in Australia, Ireland and Bangladesh, with broader implications for policy and practice in the rest of the world. The case studies highlight the growing importance of social enterprise and social entrepreneurship in fostering social capital and in contributing to the idea of “the enabling state”. This book will appeal to researchers, policy-makers and community leaders working in business, education, employment pathways, homelessness, housing, local government, mental health, public administration and refugee resettlement.

Sustainability - Julie Sze 2018-07-03

A critical resource for approaching sustainability across the disciplines Sustainability and social justice remain elusive even though each is unattainable without the other. Across the

industrialized West and the Global South, unsustainable practices and social inequities exacerbate one another. How do social justice and sustainability connect? What does sustainability mean and, most importantly, how can we achieve it with justice? This volume tackles these questions, placing social justice and interdisciplinary approaches at the center of efforts for a more sustainable world.

Contributors present empirical case studies that illustrate how sustainability can take place without contributing to social inequality. From indigenous land rights, climate conflict, militarization and urban drought resilience, the book offers examples of ways in which sustainability and social justice strengthen one another. Through an understanding of history, diverse cultural traditions, and complexity in relation to race, class, and gender, this volume demonstrates ways in which sustainability can help to shape better and more robust solutions to the world's most pressing problems. Blending methods from the humanities, environmental sciences and the humanistic social sciences, this book offers an essential guide for the next generation of global citizens. A critical resource for approaching sustainability across the disciplines Sustainability and social justice remain elusive even though each is unattainable without the other. Across the industrialized West and the Global South, unsustainable practices and social inequities exacerbate one another. How do social justice and sustainability connect? What does sustainability mean and, most importantly, how can we achieve it with justice? This volume tackles these questions, placing social justice and interdisciplinary approaches at the center of efforts for a more sustainable world. Contributors present empirical case studies that illustrate how sustainability can take place without contributing to social inequality. From indigenous land rights, climate conflict, militarization and urban drought resilience, the book offers examples of ways in which sustainability and social justice strengthen one another. Through an understanding of history, diverse cultural traditions, and complexity in relation to race, class, and gender, this volume demonstrates ways in which sustainability can help to shape better and more robust solutions to the world's most pressing problems. Blending

methods from the humanities, environmental sciences and the humanistic social sciences, this book offers an essential guide for the next generation of global citizens.

Water, Governance, and Crime Issues - Katja Eman 2020-07-23

This book provides an overview of crimes involving water, including pollution, illegal dumping, and supply chain disruption from a criminological perspective. It examines a multifaceted issue from a comparative policy perspective supplemented with individual case studies to provide insights on the magnitude of the problem as well as possible solutions and policy recommendations. As growing populations and economic sectors continue to put unprecedented pressures on water supplies, the book aims to contribute to a better understanding of the problem in order to ensure the sustainability, long-term viability, and equitable use of this essential resource. The first part of the volume examines criminological and policy perspectives, including an overview of regulatory approaches, privatization of water resources, and the scope of the criminal problem in this area. The second part presents informative case studies from a variety of different regional and social contexts. Finally, the editors present an outlook in policy and enforcement improvements. This work will be of interest to researchers in criminology, criminal justice, public policy, and comparative law, as well as those studying environmental regulations and sustainability. *Water, Governance and Crime Issues* is a much needed addition to the growing original contributions of green criminology. This volume captures the complex landscape of water crimes, including the numerous disparities and inequalities of there being too much water in some places and too little in others amongst the many complexities. The edited collection also covers conceptual issues (i.e. water as a human right) as well as practical hurdles (i.e. the challenges in keeping statistics on offences) and real world examples. Many of the chapters are likely to introduce readers to new issues and the interplay with a myriad of traditional problems – corruption, organised crime, privatisation, and terrorism. I agree with the editors and authors that water crime issues deserve further scientific study and this provides a solid starting point. -

Dr. Tanya Wyatt, University of Northumbria
Population growth and urbanization, more frequent droughts due to climate change, the privatization of and unequal access to water resources and increasing water pollution are just some of the contemporary and future challenges relating to water crimes. Water, Governance and Crime Issues speaks to the scientific relevance of water for (green) criminology as well as the policy implications of water crimes. Several of the cases in this edited book refer to countries and regions we do not usually hear about and yet are perfect illustrations of the challenges faced in governing and studying water crimes. -

Dr. Lieselot Bisschop, Erasmus School of Law
Transboundary Water Politics in the Developing World - Naho Mirumachi
2015-03-05

This book examines the political economy that governs the management of international transboundary river basins in the developing world. These shared rivers are the setting for irrigation, hydropower and flood management projects as well as water transfer schemes. Often, these projects attempt to engineer the river basin with deep political, socio-economic and environmental implications. The politics of transboundary river basin management sheds light on the challenges concerning sustainable development, water allocation and utilization between sovereign states. Advancing conceptual thinking beyond simplistic analyses of river basins in conflict or cooperation, the author proposes a new analytical framework. The Transboundary Waters Interaction NexuS (TWINS) examines the coexistence of conflict and cooperation in riparian interaction. This framework highlights the importance of power relations between basin states that determine negotiation processes and institutions of water resources management. The analysis illustrates the way river basin management is framed by powerful elite decision-makers, combined with geopolitical factors and geographical imaginations. In addition, the book explains how national development strategies and water resources demands have a significant role in shaping the intensities of conflict and cooperation at the international level. The book draws on detailed case studies from the Ganges River basin in South Asia, the Orange-Senqu

River basin in Southern Africa and the Mekong River basin in Southeast Asia, providing key insights on equity and power asymmetry applicable to other basins in the developing world.

Water Justice - Rutgerd Boelens 2018-03-15
Water justice is becoming an ever-more pressing issue in times of increasing water-based inequalities and discrimination. Megacities, mining, forestry, industry and agribusiness claim an increasingly large share of available surface and groundwater reserves. Water grabbing and pollution generate poverty and endanger ecosystems' sustainability. Beyond large, visible injustices, the book also unfolds the many 'hidden' water world injustices, subtly masked as 'rational', 'equitable' and 'democratic'. It features critical conceptual approaches, including analysis of environmental, social, cultural and legal issues surrounding the distribution and management of water.

Illustrated with case studies of historic and contemporary water injustices and contestations around the world, the book lays new ground for challenging current water governance forms and unequal power structures. It also provides inspiration for building alternative water realities. With contributions from renowned scholars, this is an indispensable book for students, researchers and policymakers interested in water governance, environmental policy and law, and political geography.

Handbook of Water Resources Management: Discourses, Concepts and Examples - Janos J. Bogardi 2021-06-12

This book provides an overview of facts, theories and methods from hydrology, geology, geophysics, law, ethics, economics, ecology, engineering, sociology, diplomacy and many other disciplines with relevance for concepts and practice of water resources management. It provides comprehensive, but also critical reading material for all communities involved in the ongoing water discourses and debates. The book refers to case studies in the form of boxes, sections, or as entire chapters. They illustrate success stories, but also lessons to be remembered, to avoid repeating the same mistakes. Based on consolidated state-of-the-art knowledge, it has been conceived and written to attract a multidisciplinary audience. The aim of

this handbook is to facilitate understanding between the participants of the international water discourse and multi-level decision making processes. Knowing more about water, but also about concepts, methods and aspirations of different professional, disciplinary communities and stakeholders professionalizes the debate and enhances the decision making.

Water Governance, Policy and Knowledge Transfer - Cheryl De Boer 2013-05-29

In an increasingly global community of researchers and practitioners, new technologies and communication means have made the transfer of policies from one country or region to another progressively more prevalent. There has been a lot of attention in the field of public administration paid to policy transfer and institutional transplantation. This book aims to create a better understanding of such transfers in the water management sector. These include the adoption of modern water management concepts, such as integrated water resources management and forms of water governance, which are strongly promoted and sometimes also imposed by various international organizations. Transfers also occur within the scope of development aid or for the purpose of creating business opportunities. In addition, many research organisations, consultancies and governmental agencies are involved in cross-border work. The purpose of this book is therefore to present practical examples of the transfer of modern water management from one locality to another and to critically discuss the transferability of policy and governance concepts by analysing the contextual needs and factors. Case studies are included from North America, Europe, the Middle East and Asia. It is argued that in many cases context matters in water management and that there is no panacea or universal concept that can be applied to all countries or regions with different political, economic, cultural and technological contexts. Yet it is also shown that some countries are facing pressing and similar water management issues that cut across national borders, and hence the transfer of knowledge may be beneficial.

Water Politics - Farhana Sultana 2019-09-06

Scholarship on the right to water has proliferated in interesting and unexpected ways

in recent years. This book broadens existing discussions on the right to water in order to shed critical light on the pathways, pitfalls, prospects, and constraints that exist in achieving global goals, as well as advancing debates around water governance and water justice. The book shows how both discourses and struggles around the right to water have opened new perspectives, and possibilities in water governance, fostering new collective and moral claims for water justice, while effecting changes in laws and policies around the world. In light of the 2010 UN ratification on the human right to water and sanitation, shifts have taken place in policy, legal frameworks, local implementation, as well as in national dialogues. Chapters in the book illustrate the novel ways in which the right to water has been taken up in locations drawn globally, highlighting the material politics that are enabled and negotiated through this framework in order to address ongoing water insecurities. This book reflects the urgent need to take stock of debates in light of new concerns around post-neoliberal political developments, the challenges of the Anthropocene and climate change, the transition from the Millennium Development Goals (MDGs) to the Sustainable Development Goals (SDGs), as well as the mobilizations around the right to water in the global North. This book is essential reading for scholars and students of water governance, environmental policy, politics, geography, and law. It will be of great interest to policymakers and practitioners working in water governance, as well as the human right to water and sanitation.

Improving Water Governance in Kathmandu: Insights from Systems Thinking and Behavioural Science - Dale Whittington 2020-04-15

The global water and sanitation community is currently wrestling with the policy implications of two important realizations. The first is that it is quite possible for cities to actually run out of water—for the piped network to run dry. The second is that in many locations, basic water and sanitation interventions do not result in the large public health improvements that many water and sanitation professionals had hoped. As water and sanitation professionals work out the implications of these two realizations on policy and planning for water and sanitation

improvements in the Global South, they will require an in-depth knowledge of local housing, water, and sanitation conditions, as well as a nuanced understanding of how households prioritize improvements in housing, water, and sanitation. The chapters in this book about Kathmandu illustrate the types of analyses of local conditions that are needed. Kathmandu holds many lessons for the global community about households' responses to water scarcity and the management of water and sanitation services in periods of rapid urbanization and climate change. In Focus – a book series that showcases the latest accomplishments in water research. Each book focuses on a specialist area with papers from top experts in the field. It aims to be a vehicle for in-depth understanding and inspire further conversations in the sector.

Rethinking Corporatization and Public Services in the Global South - David A. McDonald
2014-04-10

After three decades of privatization and anti-state rhetoric, government ownership and public management are back in vogue. This book explores this rapidly growing trend towards 'corporatization' - public enterprises owned and operated by the state, with varying degrees of autonomy. If sometimes driven by neoliberal agendas, there exist examples of corporatization that could herald a brighter future for equity-oriented public services. Drawing on original case studies from Asia, Africa and Latin America, this book critically examines the histories, structures, ideologies and social impacts of corporatization in the water and electricity sectors, interrogating the extent to which it can move beyond commercial goals to deliver progressive public services. The first collection of its kind, Rethinking Corporatization and Public Services in the Global South offers rich empirical insight and theoretical depth into what has become one of the most important public policy shifts for essential services in the global South.

Practising Feminist Political Ecologies - Wendy Harcourt 2015-05-14

Destined to transform its field, this volume features some of the most exciting feminist scholars and activists working within feminist political ecology, including Giovanna Di Chiro, Dianne Rocheleau, Catherine Walsh and Christa

Wichterich. Offering a collective critique of the 'green economy', it features the latest analyses of the post-Rio+20 debates alongside a nuanced reading of the impact of the current ecological and economic crises on women as well as their communities and ecologies. This new, politically timely and engaging text puts feminist political ecology back on the map.

Stemming the Tide - Madeline Baer 2017

When privatization of public services swept the developing world in the 1990s, it was part of a seemingly unstoppable tide of neoliberal reforms aimed at reducing the role of the state and reorienting economies toward market-led policymaking. Consequently, water privatization sparked a fierce debate over whether public services should be owned and managed by private corporations, and gave rise to a water justice movement that redefined water services as basic humanrights. Stemming the Tide explores how the human right to water and sanitation is fulfilled in different contexts, whether neoliberal policies like privatization pose a threat to the right to water, and whether rights fulfillment leads to meaningful social change

Water, Power and Identity - Rutgerd Boelens
2015-04-10

This book addresses two major issues in natural resource management and political ecology: the complex conflicting relationship between communities managing water on the ground and national/global policy-making institutions and elites; and how grassroots defend against encroachment, question the self-evidence of State-/market-based water governance, and confront coercive and participatory boundary policing ('normal' vs. 'abnormal'). The book examines grassroots building of multi-layered water-rights territories, and State, market and expert networks' vigorous efforts to reshape these water societies in their own image - seizing resources and/or aligning users, identities and rights systems within dominant frameworks. Distributive and cultural politics entwine. It is shown that attempts to modernize and normalize users through universalized water culture, 'rational water use' and de-politicized interventions deepen water security problems rather than alleviating them. However, social struggles negotiate and enforce water rights.

User collectives challenge imposed water rights and identities, constructing new ones to strategically acquire water control autonomy and re-moralize their waterscapes. The author shows that battles for material control include the right to culturally define and politically organize water rights and territories. Andean illustrations from Peru, Ecuador, Bolivia and Chile, from peasant-indigenous life stories to international policy-making, highlight open and subsurface hydro-social networks. They reveal how water justice struggles are political projects against indifference, and that engaging in re-distributive policies and defying 'truth politics,' extends context-particular water rights definitions and governance forms.

Compliance or Defiance? - Mireia Tutusaus
2019-11-28

Whereas the global water community may have reached consensus on the need for water providers to operate on the basis of commercial principles, staff of water utilities are faced with the challenge of implementing these principles in their everyday work. In the everyday domain, these principles appear to directly conflict with the mandate of water operators to provide water services to all. Moreover, the socio-political, economic and bio-physical context in which these water operate may be ill-suited to implement commercialization. In pursuing commercialization these operators adapt, reinterpret, modify, deflect, alter or betray the original principles of commercialization during implementation. This research takes inspiration from the rich literature on policy implementation and policy translation, which argues that policy models need to be transformed and modified if they are to be successfully adopted or implemented. This research analyzes the alterations visible in the daily implementation of commercial models of water provisioning and, in doing so, present a better understanding of how water operators implement policy prescriptions of commercialization in practice. Based on the analysis of the adaptations and (re)interpretations of the implemented model of commercialization in the different cases, this thesis argues that a new way of speaking about commercialization should be developed.

South Africa's water governance hydraulic mission (1912-2008) in a WEF-Nexus context -

Johann W.N. Tempelhoff 2018-12-01

Geologists, physicists and ecologists currently promote the idea of a post-Holocene epoch - the Anthropocene. As a result of constant innovation and modernisation in the fields of engineering, natural science, management studies and environmental studies there has been a growing awareness of the intrinsic interaction between humankind and the environment. Humankind has become part of the environmental dynamics, to the extent that they are literally able to change ecosystems. Nowhere is the impact more evident than in the anthropogenic engagement with the hydrosphere - from the smallest pool of water to the earth's atmosphere. Comprehensive infrastructure development in water and sanitation, the growing trend to seek additional resources in the form of groundwater, desalinated seawater, and recycled wastewater, as well as special attention being given to capturing and preserving rainwater, bear evidence of a timely response to climate change, population growth and rapid development in many water-stressed regions of the world. The purpose of the book is to provide a historical overview of the manner in which South Africa's water resources have been governed from a time when the Union of South Africa was formed, in 1910, up to 2008, a time of a growing global awareness of the potential impact that climate change may have on water resources in a key region of southern Africa, notable for increasing levels of aridity and more erratic rainfall patterns. This focus on the history of water affairs in South Africa makes it possible for scholars to comprehend the contemporary transitions made in the country's water governance system since the establishment in 2014 of the Department of Water and Sanitation. The focus is on the Water-Energy-Food nexus, a strategy which holistically contemplates the governance and use of water from the perspective of the interconnection between water, energy and food as resources.

Environmental Governance in a Populist/Authoritarian Era - James McCarthy
2020-06-30

This volume explores the many and deep connections between the widespread rise of authoritarian leaders and populist politics in recent years, and the domain of environmental

politics and governance – how environments are known, valued, and managed; for whose benefit; and with what outcomes. The volume is explicitly international in scope and comparative in design, emphasizing both the differences and commonalities to be seen among contemporary authoritarian and populist political formations and their relations to environmental governance. Prominent themes include the historical roots of and precedents for environmental governance in authoritarian and populist contexts; the relationships between populism and authoritarianism and extractivism and resource nationalism; environmental politics as an arena for questions of security and citizenship; racialization and environmental politics; the politics of environmental science and knowledge; and progressive political alternatives. In each domain, using rich case studies, contributors analyse what differences it makes when environmental governance takes place in authoritarian and populist political contexts. This book was originally published as a special issue of *Annals of the American Association of Geographers*.

Negotiating Water Governance - Emma S. Norman 2016-03-09

Those who control water, hold power. Complicating matters, water is a flow resource; constantly changing states between liquid, solid, and gas, being incorporated into living and non-living things and crossing boundaries of all kinds. As a result, water governance has much to do with the question of boundaries and scale: who is in and who is out of decision-making structures? Which of the many boundaries that water crosses should be used for decision-making related to its governance? Recently, efforts to understand the relationship between water and political boundaries have come to the fore of water governance debates: how and why does water governance fragment across sectors and governmental departments? How can we govern shared waters more effectively? How do politics and power play out in water governance? This book brings together and connects the work of scholars to engage with such questions. The introduction of scalar debates into water governance discussions is a significant advancement of both governance studies and scalar theory: decision-making with respect to

water is often, implicitly, a decision about scale and its related politics. When water managers or scholars explore municipal water service delivery systems, argue that integrated approaches to salmon stewardship are critical to their survival, query the damming of a river to provide power to another region and investigate access to potable water – they are deliberating the politics of scale. Accessible, engaging, and informative, the volume offers an overview and advancement of both scalar and governance studies while examining practical solutions to the challenges of water governance.

Water as a Catalyst for Peace - Ahmed Abukhater 2013-09-05

Examining international water allocation policies in different parts of the world, this book suggests that they can be used as a platform to induce cooperation over larger political issues, ultimately settling conflicts. The main premise is that water can and should be used as a catalyst for peace and cooperation rather than conflict. Evidence is provided to support this claim through detailed case studies from the Middle East and the Lesotho Highlands in Africa. These international cases – including bilateral water treaties and their development and formation process and aftermath – are analyzed to draw conclusions about the outcomes as well as the processes by which these outcomes are achieved. It is demonstrated that the perception of a particular treaty as being equitable and fair is mainly shaped by the negotiation process used to reach certain outcomes, rather than being determined mechanistically by the quantitative allocation of water to each party. The processes and perceptions leading to international water conflict resolutions are emphasized as key issues in advancing cooperation and robust implementation of international water treaties. The key messages of the book are therefore relevant to the geo-political and hydro-political aspects of water resources in the context of bilateral and multilateral conflicts, and the trans-boundary management of water resources, which contributes insights to political ecology, geo-politics, and environmental policy.

Contemporary Water Governance in the Global South - Leila M. Harris 2015-03-24

The litany of alarming observations about water use and misuse is now familiar—over a billion

people without access to safe drinking water; almost every major river dammed and diverted; increasing conflicts over the delivery of water in urban areas; continuing threats to water quality from agricultural inputs and industrial wastes; and the increasing variability of climate, including threats of severe droughts and flooding across locales and regions. These issues present tremendous challenges for water governance. This book focuses on three major concepts and approaches that have gained currency in policy and governance circles, both globally and regionally—scarcity and crisis, marketization and privatization, and participation. It provides a historical and contextual overview of each of these ideas as they have emerged in global and regional policy and governance circles and pairs these with in-depth case studies that examine manifestations and contestations of water governance internationally. The book interrogates ideas of water crisis and scarcity in the context of bio-physical, political, social and environmental landscapes to better understand how ideas and practices linked to scarcity and crisis take hold, and become entrenched in policy and practice. The book also investigates ideas of marketization and privatization, increasingly prominent features of water governance throughout the global South, with particular attention to the varied implementation and effects of these governance practices. The final section of the volume analyzes participatory water governance, querying the disconnects between global discourses and local realities, particularly as they intersect with the other themes of interest to the volume. Promoting a view of changing water governance that links across these themes and in relation to contemporary realities, the book is invaluable for students, researchers, advocates, and policy makers interested in water governance challenges facing the developing world.

Water and Cities in Latin America - Ismael Aguilar-Barajas 2015-05-08

Approximately 80 per cent of the population of Latin America is concentrated in urban centres. Pressure on water resources and water management in cities therefore provide major challenges. Despite the importance of the issues, there has been little systematic coverage of the

topic in book form. This work fills a gap in the literature by providing both thematic overviews and case study chapters. It reviews key aspects of why water matters in cities and presents case studies on topics such as groundwater management, green growth and water services, inequalities in water supply, the financing of water services and flood management. Detailed examples are described from Argentina, Brazil, Colombia, Ecuador, Mexico and Peru, and there is also a chapter comparing lessons which might be learnt from US cities. Contributing authors are drawn from both within and outside the region, including from the Inter-American Development Bank, OECD and World Bank to set the issues in a global context.

Sustainable Water and Sanitation Services - Livelihoods & Natural Resource Management Institute, 2014-01-03

Based on the work of the WASHCost project run by the IRC International Water and Sanitation Centre (IRC), this book provides an evaluation of the water, sanitation and hygiene (WASH) sectors in the context of developing countries and is the first systematic study of applying the life-cycle cost approach to assessing allocations. It presents unit cost estimates of the WASH sector across geographic locations and technologies, including rural and peri-urban areas, and these are compared with service levels. It analyses detailed data from more than 5000 households across nine agro-climatic zones in Andhra Pradesh State in India. Key issues assessed include poverty analysis of service levels, cost drivers and factors at the village and household level, and governance aspects such as transparency, accountability and value for money in relation to unit costs and service levels. This is the most comprehensive study of the WASH sector in India and elsewhere that utilises the life-cycle cost approach, along with GIS, econometric modelling and qualitative research methods. Not only does it contribute to research and methodology in this area, but the analysis also provides valuable insights for planners, policy makers and bi-lateral donors. The authors show how the methodology can also be applied in other developing country contexts.

Systems Analysis Approach for Complex Global Challenges - Priscilla Mensah 2018-04-09

This book, which contains a collection of review articles as well as focus on evidence-based policy making, will serve as a valuable resource not just for all postgraduate students conducting research using systems analysis thinking but also for policy makers. To our knowledge, a book of this nature which also has a strong African focus is currently not available. The book examines environmental and socio-economic risks with the aim of providing an analytical foundation for the management and governance of natural resources, disasters, addressing climate change, and easing the technological and ecological transitions to sustainability. It provides scientific and strategic analysis to better understand the dynamics of future energy transitions, their main driving forces, enabling factors, barriers, as well as their consequences for the social, economic and environmental dimensions of human wellbeing. Science-based policy advice is achieved through an integrated assessment and modeling of how to simultaneously address the major energy policy challenges in the areas of environment (climate change and air pollution), energy poverty (or access to affordable and clean energy for the poor), energy security and reliability. It also aims to improve our understanding of ecosystems and their management in today's changing world—in particular, the current state of ecosystems, and their ecological thresholds and buffering capacities. It provides support for policy makers in developing rational, realistic and science-based regional, national and global strategies for the production of fuel, food and fibre that sustain ecosystem services and safeguard food security. Finally, it addresses the human development dimension of global change based on comprehensive studies on the changing size and composition of human populations around the world by analyzing both their impacts and the differential vulnerabilities by age, gender and level of education.

Freshwater Governance for the 21st Century - Eiman Karar 2016-10-24

The objective of this book is to broadly illustrate the key aspects of water governance, mapping the spectrum of decision-making from techno-centric and eco-centric approaches, to hybrid concepts and people-centric approaches. Topics covered include the challenges for water-

governance models, the polycentric model, the integration challenge, water in the decision-making hierarchy, and the rise of water-sensitive design, while also taking into account interdependencies between stakeholders, as well as the issue of scale. The book's content is presented in an integrated and comprehensive format, building on detailed case studies from around the world and the authors' working experiences in the water sector. Combining essential insights with accessible, non-technical language, it offers a valuable resource for academics, technicians and policy-makers alike. *Global Governance in the Age of the Anthropocene* - Markus Fraundorfer 2022
Chapter 1: Introduction -- Chapter 2: Global Governance and the Anthropocene: An Entangled History -- Chapter 3: Conceptual Toolbox -- Chapter 4: Global Governance of Infectious Disease Outbreaks -- Chapter 5: Global Food Production -- Chapter 6: Transboundary Water Governance? -- Chapter 7: Global Energy Governance -- Chapter 8: Global Environmental Governance -- Chapter 9: Conclusion. .

Interdisciplinary Collaboration for Water Diplomacy - Shafiqul Islam 2019-12-12

This book introduces the concept of Water Diplomacy as a principled and pragmatic approach to problem-driven interdisciplinary collaboration, which has been developed as a response to pressing contemporary water challenges arising from the coupling of natural and human systems. The findings of the book are the result of a decade-long interdisciplinary experiment in conceiving, developing, and implementing an interdisciplinary graduate program on Water Diplomacy at Tufts University, USA. This has led to the development of the Water Diplomacy Framework, a shared framework for understanding, diagnosing, and communicating about complex water issues across disciplinary boundaries. This framework clarifies important distinctions between water systems - simple, complicated, or complex - and the attributes that these distinctions imply for how these problems can be addressed. In this book, the focus is on complex water issues and how they require a problem-driven rather than a theory-driven approach to interdisciplinary collaboration. Moreover, it is argued that

conception of interdisciplinarity needs to go beyond collaboration among experts, because complex water problems demand inclusive stakeholder engagement, such as in fact-value deliberation, joint fact finding, collective decision making, and adaptive management. Water professionals working in such environments need to operate with both principles and pragmatism in order to achieve actionable, sustainable, and equitable outcomes. This book explores these ideas in more detail and demonstrates their efficacy through a diverse range of case studies. Reflections on the program are also included, from conceptualization through implementation and evaluation. This book offers critical lessons and case studies for researchers and practitioners working on complex water issues as well as important lessons for those looking to initiate, implement, or evaluate interdisciplinary programs to address other complex problems in any setting.

Transboundary Water Governance and International Actors in South Asia - Paula Hanasz 2017-10-12

International organisations such as the World Bank began to intervene in the transboundary water governance of the Ganges-Brahmaputra-Meghna river basin in the mid-2000s, and the South Asia Water Initiative (SAWI) is its most ambitious project in this regard. Yet neither SAWI nor other international initiatives, such as those of the Australian and UK governments, have been able to significantly improve transboundary water interaction between India, Nepal, Bhutan and Bangladesh. This book identifies factors that contribute to water conflicts and that detract from water cooperation in this region. It sheds light on how international organisations affect these transboundary water interactions. The book discusses how donor-led initiatives can better engage with transboundary hydropolitics to increase cooperation and decrease conflict over shared freshwater resources. It is shown that there are several challenges: addressing transboundary water issues is not a top priority for the riparian states; there is concern about India's hydro-hegemony and China's influence; and international actors in general do not have substantial support of the local elites. However,

the book suggests some ways forward for improving transboundary water interaction. These include: addressing the political context and historical grievances; building trust and reducing power asymmetry between riparian states; creating political will for cooperation; de-securitising water; taking a problemshed view; strengthening water sharing institutions; and moving beyond narratives of water scarcity and supply-side solutions.

Concrete Revolution - Christopher Sneddon 2015-09-25

Concrete Revolution offers a compelling historical account of the U. S. Bureau of Reclamation's contributions to dam technology, Cold War politics, and the social and environmental adversity perpetuated by the U.S. government in its pursuit of capitalist economic development. Founded in 1902, the Bureau amassed geopolitical power after the Second World War, in response to the Soviet Union's increasing global influence. By offering technical and water resource management advice to the world's underdeveloped regions, the Bureau found that it could not only provide them with economic assistance, and provide the U.S. with investment opportunities, but also gain alliances for the U.S. and further the country's global standing in the face of a burgeoning communist regime. The book includes a number of case studies, from the Bureau's foray into overseas development and the launch of its Foreign Activities Office in 1950, to specific projects such as the Litani River initiative in Lebanon, the Blue Nile investigation in Ethiopia, and the Mekong river basin development project in mainland Southeast Asia, the bureau's longest international undertaking, which affected Thailand, Laos, Cambodia, and Vietnam. If, Sneddon argues, we can come to understand dams as both technical and political objects rather than mere instruments of impartial science, we can better participate in current debates about large dams and river basin planning.

Adaptive Governance - Ronald D. Brunner 2005

Drawing on five detailed case studies from the American West, the authors explore and clarify how to expedite a transition toward adaptive governance and break the gridlock in natural

resource policymaking. Unlike scientific management, which relies on science as the foundation for policies made through a central bureaucratic authority, adaptive governance integrates various types of knowledge and organizations. Adaptive governance relies on open decision-making processes recognizing multiple interests, community-based initiatives, and an integrative science in addition to traditional science. Case studies discussed include a program to protect endangered fish in the Colorado River with the active participation of water developers and environmentalists; a district ranger's innovative plan to manage national forestland in northern New Mexico; and how community-based forestry groups are affecting legislative change in Washington, D.C.

The Oxford Handbook of Water Politics and Policy - Ken Conca 2018

This handbook is currently in development, with individual articles publishing online in advance of print publication. At this time, we cannot add information about unpublished articles in this handbook, however the table of contents will continue to grow as additional articles pass through the review process and are added to the site. Please note that the online publication date for this handbook is the date that the first article in the title was published online. For more information, please read the site FAQs.

Water, Rhetoric, and Social Justice - Casey R. Schmitt 2020-01-20

Water, Rhetoric, and Social Justice: A Critical Confluence examines how individuals and communities have responded on a global scale to present day water crises as matters of social justice, through oratory, mass demonstration, deliberation, testimony, and other rhetorical appeals. This book applies critical communication methods and perspectives to interrogate the pressing yet mind-boggling dilemma currently faced in environmental studies and policy: that clean water, the very stuff of life, which flows freely from the tap in affluent areas, is also denied to huge populations, materially and fluidly exemplifying the currents of justice, liberty, and equity. Contributors highlight discourse and water justice movements in nonofficial spheres from activists, artists, and the grassroots. In extending the technical, economic, moral, and

political conversations on water justice, this collection applies special focus on the novel rhetorical concepts and responses not necessarily unique to but especially enacted in water justice situations. Scholars of rhetoric, sociology, activism, communication, and environmental studies will find this book particularly useful.

Irrigation in the Mediterranean - François Molle 2019-05-09

Mediterranean irrigation is diverse due to, among other factors, the relative importance of water in the economy of each country, varied levels of aridity, heterogeneous levels economic, social and technological levels of development, and differences in political and social organization. However, most of the Mediterranean countries face similar problems to meet their water demands because of the scarcity and variability of renewable resources, growing water requirements from non-agricultural sectors, increasing environmental concerns related to water quality and environmental degradation, a social demand for larger public participation, and important technological changes. The time has come to reconsider the "not one drop lost to the sea" philosophy of yesteryears largely and to 'live within limits'. This book focuses on eight selected countries (Tunisia, Morocco, Spain, France, Italy, Turkey, Israel and Egypt) and provides a comparative perspective that both thoroughly explores their specificities and identifies the common challenges faced by the irrigation sector in these countries. The book has been written at a critical moment, when the continued application of a supply-side water management model is revealing its unsustainable nature in numerous places; when significant technological changes are taking place in the irrigation sector; when new forms of management and governance are widely held as badly needed; and finally, when climate change is compounding many of the difficulties that have characterized irrigation policies and practices in the past decades. This complicated future context makes Mediterranean irrigation face various political dilemmas on water management, raising social tensions, triggering territorial and land conflicts, and stimulating new technological developments. This book

provides a timely analysis of the particular trajectory of eight Mediterranean countries in these uncertain transformations, and attempts to identify the best strategies to avert or overcome future risks.

Governing Transboundary Waters - Emma S. Norman 2014-11-27

Winner of the Political Geography Specialty Group's 2015 Julian Minghi Distinguished Book Award! With almost the entire world's water basins crossing political borders of some kind, understanding how to cooperate with one's neighbor is of global relevance. For Indigenous communities, whose traditional homelands may predate and challenge the current borders, and whose relationship to water sources are linked to the protection of traditional lifeways (or 'ways of life'), transboundary water governance is deeply political. This book explores the nuances of transboundary water governance through an in-depth examination of the Canada-US border, with an emphasis on the leadership of Indigenous actors (First Nations and Native Americans). The inclusion of this "third sovereign" in the discussion of Canada-U.S. relations provides an important avenue to challenge borders as fixed, both in terms of natural resource governance and citizenship, and highlights the role of non-state actors in charting new territory in water governance. The volume widens the conversation to provide a rich analysis of the cultural politics of transboundary water governance. In this context, the book explores the issue of what makes a good upstream neighbor and analyzes the rescaling of transboundary water governance. Through narrative, the book explores how these governance mechanisms are linked to wider issues of environmental justice, decolonization, and self-determination. To highlight the changing patterns of water governance, it focuses on six case studies that grapple with transboundary water issues at different scales and with different constructions of border politics, from the Pacific coastline to the Great Lakes.

Water Scarcity, Livelihoods and Food Security - Larry W. Harrington 2014-08-21

This volume reviews the evolution of ten years' learning and discovery about water scarcity, livelihoods, and food security within the CGIAR

Challenge Program on Water and Food. It draws on the experiences of over 100 projects conducted in ten river basins in the developing world. The book describes how the program's design evolved from an emphasis on water scarcity, water productivity, and water access to an emphasis on using water innovations to improve livelihoods and address development challenges in specific river basins. It shows how the research was used to foster change in stakeholder behavior, linking it to improved knowledge, attitudes, and skills, which were fostered by stakeholder participation, innovation, dialogue, and negotiation. The authors describe development challenges, their drivers and their political context, how to address them through technical, institutional, and policy innovations; and the consequences of change at different scales, time frames on equity, resilience, and ecosystem services. Overall, the work represents a major synthesis and landmark publication for all concerned with water resource management and sustainable development.

Water and Power - Mart A. Stewart 2018-12-12

This book brings together a talented international group of scholars, policy practitioners, and NGO professionals that explores a range of issues relating to environmental, developmental, and governing challenges on the Mekong, one of the world's greatest rivers and, alas, one of the most endangered. The book is divided into three sections devoted in turn to historical perspectives on the Lower Mekong Basin. Issues relate to livelihood strategies, environmental threats, and adaptation strategies; and various aspects of river governance, with individual authors treating questions of governance at different levels of refraction and in different registers. The result is a fresh and innovative collection of essays, which, taken together, provide much-needed new perspectives on some of the most important and seemingly intractable environmental and development issues in contemporary Asia.

Towards a new generation of policies and investments in agricultural water in the Arab region - Borgomeo, Edoardo 2019-12-01

Trans-jurisdictional Water Law and

Governance - Janice Gray 2016-06-23

Governance of global water resources presents one of the most confounding challenges in contemporary natural resource governance. With considerable government, citizen and financial donor attention devoted to a range of international, transnational and domestic laws and policies aimed at protecting, managing and sustainably using fresh and coastal marine water resources, this book proposes that sustainable water outcomes require a 'trans-jurisdictional' approach to water governance. Focusing on the concept of trans-jurisdictional water governance the book diagnoses barriers and identifies

pathways to coherent and coordinated institutional arrangements between and across different bodies of laws at local, national, regional and international levels. It includes case studies from the European Union, Australia, New Zealand, South Africa, the United States and Southeast Asia. Leading specialists offer insights into the pretence and the promise of trans-jurisdictional water governance and provide readers, including students, practitioners, policy-makers and academics, with a basis for better analysing, articulating and synthesising standards of good trans-jurisdictional water governance both in theory and in practice.