

ROUTLEDGE

Environment, Sustainability and Energy 2015

New Titles and Key Backlist

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Dear Reader,

We are very pleased to present here a new and diverse selection of titles for 2015. You will find whatever you need to further your own research or professional interests, challenge and support your students, or to provide essential reference materials for your institutional library and you can browse the full range of our titles at: www.routledge.com/sustainability.

In December 2014 we launched the Routledge Sustainability Hub, a global online knowledge centre for lecturers, students and anyone interested in sustainability. We have curated a wealth of materials from experts all over the world, including Resources by Topic; Resources by Textbook; and our innovative Sustainability Community section where you can discover information from professional practice guidelines to suggestions for inspirational books and films. You can find the Hub online at: www.routledgesustainabilityhub.com.

Please get in touch if you would like to review books in your areas of teaching and research. We would also be happy to hear from you if you would like to submit a book proposal.

Best wishes, Tim Hardwick, Khanam Virjee and Annabelle Harris

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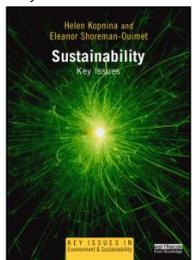
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TEXTBOOK

Sustainability

Key Issues



Edited by **Helen Kopnina**, University of Amsterdam, the Netherlands and **Eleanor Shoreman-Ouimet**, University of Connecticut, USA

Series: Key Issues in Environment and Sustainability

This comprehensive textbook brings together in one volume the broad spectrum of topics covered under sustainability, from participation, resilience, growth, ecological modernism through to culture, sustainable communities and sustainable consumption. The book provides postgraduate and final year undergraduate students in sustainable development and in environmental studies with a wealth of international and interdisciplinary expertise to challenge their thinking in new

ways on the key issues in sustainability.

Routledge

Market: Environment, Sustainability

July 2015: 392pp

Hb: 978-0-415-52985-3: **\$160.00**

Pb: 978-0-415-52986-0: **\$57.95**

eBook: 978-0-203-10949-6

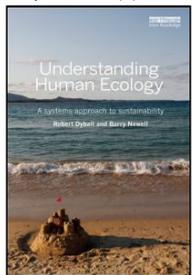
* For full contents and more information, visit: www.routledge.com/9780415529860



TEXTBOOK

Understanding Human Ecology

A systems approach to sustainability



Edited by **Robert Dyball**, Australian National University, Australia and **Barry Newell**, Australian National University, Australia

From climate change to world poverty, we are currently facing a vast array of complex challenges which are part of an inter-related web of social and natural systems. Human ecology provides an approach to these problems, a way to understand them holistically and to manage them more effectively. This book is the first to offer a coherent conceptual framework for Human Ecology - a clear method for interpreting the many systems we are part of and the problems we face. Blending natural, social and cognitive sciences with dynamical systems theory, the book offers important systems approaches for anyone looking to manage these complex problems and the transition

to sustainability.

Routledge

Market: Ecology / Environment / Sustainability

November 2014: 214pp

Hb: 978-1-849-71382-5: **\$140.00**

Pb: 978-1-849-71383-2: **\$39.95**

eBook: 978-0-203-10955-7

* For full contents and more information, visit: www.routledge.com/9781849713832

**Remaking Participation**

Science, Environment and Emergent Publics

Edited by **Jason Chilvers**, University of East Anglia, UK and **Matthew Kearnes**, University of New South Wales, Australia

The focus of this book is public participation in the governance of science and technology, particularly pertaining to environment and sustainability issues. The past three decades have seen a dramatic rise in diverse forms of participation throughout western democracies, but this book represents the first major attempt to consolidate the research field of critical public engagement studies and practice, working at the interface between science and technology studies (STS), geography, environmental science, and political and democratic theory.

Routledge

Market: Environment, Sustainability

August 2015: 216pp

Hb: 978-0-415-85739-0: **\$145.00**

Pb: 978-0-415-85740-6: **\$48.95**

eBook: 978-0-203-79769-3

* For full contents and more information, visit: www.routledge.com/9780415857406

**Environmental Change and the World's Futures**

Ecologies, ontologies and mythologies

Edited by **Jonathan Paul Marshall**, University of Technology Sydney, Australia and **Linda H. Connor**, University of Sydney, Australia

Series: Routledge Explorations in Environmental Studies

The futures discussed in this book arise from awareness of the potentially disruptive impact of climate change and ecological instability on human societies. The framework embraces an appreciation of difference and non-holism, as it is unlikely that there exists one solution to the many disruptive futures perceived throughout the world. Indeed any such solution may increase the disruptive effects found in local situations. Each chapter invites reflection on diverse ways of comprehending global warming and other manifestations of major environmental change, as well as on the forms and shapers of agency that influence people's understanding and response.

Routledge

Market: Environment, Sustainability / Anthropology

August 2015: 288pp

Hb: 978-1-138-02329-1: **\$145.00**

eBook: 978-1-315-77655-2

* For full contents and more information, visit: www.routledge.com/9781138023291

Transdisciplinary Solutions for Sustainable Development

From planetary management to stewardship

Edited by **Mark Charlesworth**, Keele University, UK

Series: Routledge Studies in Sustainable Development

This book characterises the current limitations of scientific prediction for global environmental issues such as climate change. It presents a review of the epistemology of this policy field including current policy responses (e.g. to abrupt climate change) then suggests potential ethical and policy implications and resolutions. Specifically, it has developed innovative approaches to respond to these difficulties in prediction, which should also allow sustainable development policy to be more democratic, plural and open; in line with Agenda 21.

Routledge

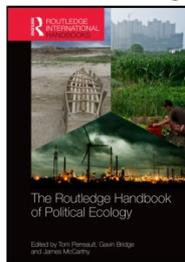
Market: Environment, Sustainability

May 2015: 288pp

Hb: 978-1-138-90116-2: **\$140.00**

eBook: 978-1-315-69791-8

* For full contents and more information, visit: www.routledge.com/9781138901162

The Routledge Handbook of Political Ecology

Edited by **Tom Perreault**, University of Syracuse, USA, **Gavin Bridge** and **James McCarthy**, Clark University, USA

Series: Routledge International Handbooks

The Routledge Handbook of Political Ecology presents a comprehensive and authoritative examination of the rapidly growing field of political ecology. Located at the intersection of geography, anthropology, sociology, and environmental history, political ecology is one of the most vibrant and conceptually diverse fields of inquiry into nature-society relations within the social sciences. With contributions from over 50 leading authors, the Handbook presents a systematic overview of political ecology's origins, practices and core concerns, and aims to advance both ongoing and emerging debates. The Handbook will serve as an excellent resource for graduate and advanced undergraduate teaching.

Routledge

Market: Environmental Studies/Geography/Development Studies

May 2015: 672pp

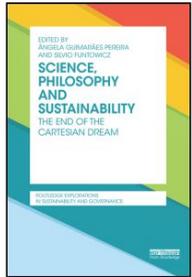
Hb: 978-1-138-79433-7: **\$260.00**

eBook: 978-1-315-75928-9

* For full contents and more information, visit: www.routledge.com/9781138794337

Science, Philosophy and Sustainability

The End of the Cartesian dream



Edited by **Angela Guimaraes Pereira**, Joint Research Centre - European Commission, Italy and **Silvio Funtowicz**, University of Bergen, Norway

Series: Routledge Explorations in Sustainability and Governance

This book proposes to consider new ways in which science can be used to sustain our planet and enrich our lives. For science to remain a legitimate and trustworthy source of knowledge, society will have to engage in the collective processes of knowledge co-production, which not only includes science, but also other types of knowledge. Social responsibility has historically played an important role in science and engineering, but has lost momentum nowadays because many facets of science are lost due to reduction caused by the hybridization of science and policy. This book helps to release and reactivate social responsibility within contemporary science and technology.

Routledge

Market: Science and Technology Studies / Ethics
March 2015: 170pp

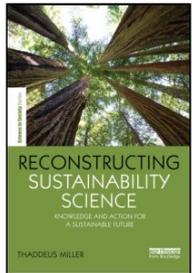
Hb: 978-1-138-79640-9: \$145.00

eBook: 978-1-315-75790-2

* For full contents and more information, visit: www.routledge.com/9781138796409

Reconstructing Sustainability Science

Knowledge and action for a sustainable future



Thaddeus R. Miller, Portland State University, USA

Series: The Earthscan Science in Society Series

Sustainability science is an interdisciplinary, problem-driven field that seeks to address fundamental questions on human-environment interactions. This book repositions sustainability science as a "science of design"—that is, a normative science of what ought to be in order to achieve certain goals—rather than a science of what is. It develops a foundation for a sustainability science that is solutions-oriented, aiming to enrich public reasoning and deliberation while also working to generate social and technological innovations for a more sustainable future.

Routledge

Market: Environment, Sustainability, Science and Technology Studies
December 2014: 112pp

Hb: 978-0-415-63261-4: \$140.00

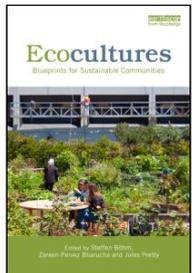
Pb: 978-0-415-63262-1: \$46.95

eBook: 978-0-203-38390-2

* For full contents and more information, visit: www.routledge.com/9780415632621

Ecocultures

Blueprints for Sustainable Communities



Edited by **Steffen Böhm**, University of Essex, UK, **Zareen Pervez Bharucha**, University of Essex, UK and **Jules Pretty**, University of Essex, UK

Communities around the world are struggling to transition to sustainable ways of living that improve well-being and increase resilience. This book demonstrates how communities in both developed and developing countries are already taking action to maintain or build resilient and sustainable lifestyles. These communities, here designated as 'Ecocultures', are exemplars of the art and science of sustainable living. Overall, the volume describes how ecocultures can provide the global community with important lessons for a wider transition to sustainability and will show how we can redefine our personal and collective futures around these principles.

Routledge

Market: Environment & Sustainability / Sociology
December 2014: 296pp

Hb: 978-0-415-81282-5: \$160.00

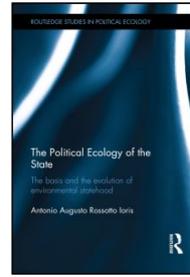
Pb: 978-0-415-81285-6: \$59.95

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The Political Ecology of the State

The basis and the evolution of environmental statehood



Antonio Augusto Rossotto Ioris, University of Edinburgh, UK

Series: Routledge Studies in Political Ecology

This is the first book to critically assess the philosophical basis of environmental statehood and regulation, addressing the emergence and evolution of environmental regulation from the early 20th Century to the more recent phase of ecological modernisation and the neoliberalisation of nature.

Routledge

Market: Geography/Political Ecology

March 2014: 186pp

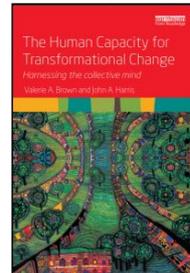
Hb: 978-0-415-72219-3: \$150.00

eBook: 978-1-315-85840-1

* For full contents and more information, visit: www.routledge.com/9780415722193

The Human Capacity for Transformational Change

Harnessing the collective mind



Valerie A. Brown, Director of the Local Sustainability Project, Human Ecology Program, Australian National University and **John A. Harris**, University of Canberra, Australia

Pressures for transformational change are a regular feature of most fields of human endeavour. Informed by the work of Teilhard de Chardin, Gregory Bateson and Heryk Skolwimoski and the authors' research findings, this book offers ways and means of creating the synergies between government, specialised and community interests that are crucial in establishing transformational change for a just and sustainable future.

Unknown

Market: Environment, Sustainability

February 2014: 232pp

Hb: 978-0-415-53990-6: \$145.00

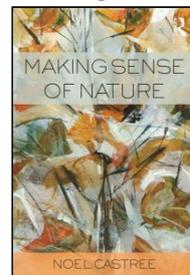
Pb: 978-1-138-80063-2: \$48.95

eBook: 978-0-203-10787-4

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TEXTBOOK

Making Sense of Nature



Noel Castree, University of Wollongong, Australia

Drawing on over 30 years on research into the 'social constitution of nature', this book shows that what we call 'nature' is made sense of for us in ways that make it central to social order, social change and social dissent. By utilising insights and extended examples from anthropology, cultural studies, human geography, philosophy, politics, sociology, science studies, this interdisciplinary text asks whether we can better make sense of nature for ourselves, and thus participate more meaningfully in momentous decisions about the future of life – human and non-human – on the planet.

Routledge

Market: Environmental Studies/Geography/Sociology

July 2013: 376pp

Hb: 978-0-415-54548-8: \$165.00

Pb: 978-0-415-54550-1: \$54.95

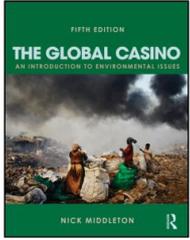
eBook: 978-0-203-50346-1

* For full contents and more information, visit: www.routledge.com/9780415545501

5th Edition · TEXTBOOK

The Global Casino, Fifth Edition

An Introduction to Environmental Issues

**Nick Middleton**, University of Oxford, UK

This book gives an introduction to environmental issues, with both the workings of the physical environment and the political, economic and social frameworks in which the issues occur. The fifth edition has been fully revised and updated throughout, with new case studies, figures, and online resources such as downloadable figures and tables from the text and multiple choice questions for students. New topics covered in extended boxed case studies include payment for environmental services, ocean acidification, biofuels in Brazil, waste reduction through industrial symbiosis, and the long-term impact of natural

disasters on vulnerable groups. Other approaches and concepts covered for the first time in this new edition include traditional ecological knowledge, environmental justice, the 'resource curse', and urban biodiversity.

Routledge

Market: Environmental Studies/Geography

April 2013: 640pp

Hb: 978-0-415-82662-4: \$170.00

Pb: 978-1-444-14662-2: \$64.00

eBook: 978-0-203-52924-9

Prev. Ed Pb: 978-0-340-95716-5

* For full contents and more information, visit: www.routledge.com/9781444146622**Sustainability****André Reichel, Thomas Pfister**, Zeppelin University, Germany and **Martin Schweighofer**, Zeppelin University, Germany*Series: Key Ideas*

Instead of providing a shopping list of textbook definitions of sustainability, the book will be a highly readable critical evaluation of the concept's evolution and use in politics, business and society.

Routledge

Market: Sociology/Sustainability/Social Theory

November 2015: 224pp

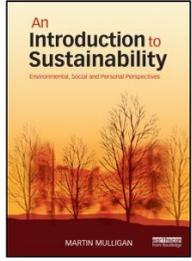
Hb: 978-0-415-71411-2: \$140.00

* For full contents and more information, visit: www.routledge.com/9780415714112

TEXTBOOK

An Introduction to Sustainability

Environmental, Social and Personal Perspectives



Martin Mulligan, RMIT University, Australia

An Introduction to Sustainability provides a comprehensive overview of the key concepts and ideas which sit beneath the hypertext of 'sustainability', including new thinking on the economics of happiness, or wellbeing. The book teases out the separate but overlapping domains of sustainability and emphasises strategies for action. It uniquely gives students from different disciplinary backgrounds a coherent framework and set of core principles for applying broad sustainability principles within their own personal and professional lifeworlds.

Routledge

Market: Environment, Sustainability

November 2014: 310pp

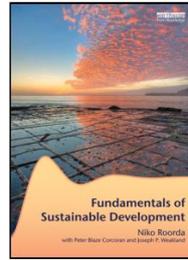
Hb: 978-0-415-70643-8: \$165.00

Pb: 978-0-415-70644-5: \$57.95

eBook: 978-1-315-88855-2

* For full contents and more information, visit: www.routledge.com/9780415706445

TEXTBOOK

Fundamentals of Sustainable Development

Niko Roorda, Maastricht University, the Netherlands, Peter Blaze Corcoran, Florida Gulf University, USA, Joseph Weakland, Florida Gulf Coast University, USA and Nico Zaverdinos

Sustainable Development is an issue for each and every professional. Whether unskilled, or skilled labour, sustainability aspects are going to be – or already are – an essential part of the job. It is so essential that every student, of whatever discipline, learns to think and act in a sustainable way; this book provides the groundwork for that student learning. *The Fundamentals of Sustainable Development* offers a broad introduction to sustainable development, with a careful balance

between the many issues of sustainability and Corporate Social Responsibility (CSR).

This book is a highly complete educational method. The website of the book contains hundreds of exercises and offers learning goals and summaries for each chapter, movie clips, and extra texts for those who want to learn more, as well as a dedicated lecturer section. The book is a complete and interactive tool that provides a sound understanding, for readers, of this very pertinent topic.

Unknown

Market: Environment, Sustainability

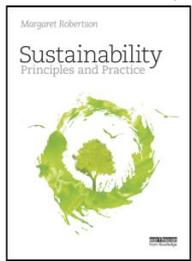
March 2012: 352pp

Hb: 978-1-849-71386-3: \$170.00

Pb: 978-1-849-71419-8: \$71.95

* For full contents and more information, visit: www.routledge.com/9781849714198

TEXTBOOK

Sustainability Principles and Practice

Margaret Robertson, Lane Community College, USA

This textbook is an accessible and comprehensive overview of the interdisciplinary field of sustainability which introduces relevant theory as well as providing a wealth of international case studies. Each chapter includes learning objectives and tools, further reading, discussion questions, and research problems to foster quantitative thinking. It offers students in sustainability degree programs a conceptual understanding as well as technical skills for the work place. The book is supported by a companion website with key website links, further reading lists, test bank questions, glossary and PowerPoint slides.

Routledge

Market: Environment, Sustainability

January 2014: 392pp

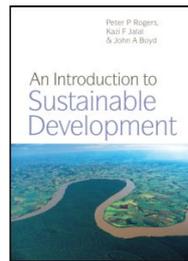
Hb: 978-0-415-84017-0: \$160.00

Pb: 978-0-415-84018-7: \$49.95

eBook: 978-0-203-76874-7

* For full contents and more information, visit: www.routledge.com/9780415840187

TEXTBOOK

An Introduction to Sustainable Development

Peter Rogers, Harvard University, USA, Kazi F. Jalal, Harvard's Extension School, USA and John A. Boyd, Harvard Extension School

This volume is the most comprehensive textbook on sustainable development. It has been developed with students and professionals from around the world specifically for those who need a thorough grounding in the subject. Coverage includes: background to sustainable development and global environmental issues; measurement and sustainability indicators; environmental assessment, management and policy; approaches and linkages to poverty reduction; impacts and infrastructure development; economics, consumption, production and market

failures; governance; participation; disaster management; international financial institutions; international environmental agreements; and the role of civil society.

Routledge

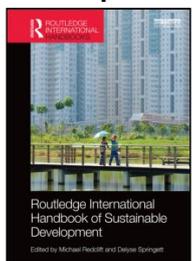
Market: Sustainable Development

October 2007: 416pp

Hb: 978-1-844-07521-8: \$140.00

Pb: 978-1-844-07520-1: \$39.95

eBook: 978-1-849-77047-7

* For full contents and more information, visit: www.routledge.com/9781844075201**Routledge International Handbook of Sustainable Development**

Edited by Michael Redclift, King's College London, UK and Delyse Springett, Massey University, New Zealand

Series: *Routledge International Handbooks*

This *Handbook* provides a comprehensive, international and cutting-edge overview of Sustainable Development. It integrates the key dimensions of sustainable development, (institutional, environmental, social and economic), with calls for greater participation, social cohesion, justice and democracy. Each chapter underlines the need for discursive interdisciplinarity, which is key to the book's theorization of the concept. The book is also unusual in including indigenous perspectives and alternative worldviews.

Routledge

Market: Sustainable Development / Environment

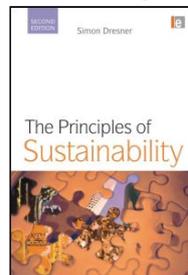
March 2015: 448pp

Hb: 978-0-415-83842-9: \$215.00

eBook: 978-0-203-78530-0

* For full contents and more information, visit: www.routledge.com/9780415838429

2nd Edition • TEXTBOOK

The Principles of Sustainability

Simon Dresner, Policy Studies Institute, UK

At a time of increasingly rapid environmental deterioration and climate change, sustainability is one of the most important issues facing the world. Can we create a sustainable society? What would that mean? How should we set about doing it? How can we bring about such a profound change in the way things are organized? This text tackles these questions directly. It covers: historical development of the concept of sustainability; contemporary debates about how to achieve it; and obstacles and the prospects for overcoming them. This new fully revised edition covers the latest on the climate change front, particularly the advances in scientific understanding and political awareness of climate change. Other updates include more recent economic

analyses, particularly the Stern Report, and the global shift away from faith in markets over the past five years.

Unknown

August 2008: 224pp

Hb: 978-1-844-07706-9: \$135.00

Pb: 978-1-844-07496-9: \$38.95

eBook: 978-1-849-77324-9

* For full contents and more information, visit: www.routledge.com/9781844074969

Sustainability and Wellbeing

Human-Scale Development in Practice

Monica Guillen-Royo, University of Oslo, Norway

Series: *Routledge Studies in Sustainable Development*

The book fills a gap in sustainable development studies as it draws on a range of case-studies to discuss the challenges and opportunities of using Max-Neef's Human Scale Development (HSD) framework in practice. The book presents the potential of the HSD methodology to analyse complex socio-economic, political and environmental realities, to identify sustainable wellbeing interventions and to engage communities or groups of people in local, bottom-up social transformation processes towards sustainable wellbeing.

Routledge

Market: Development / Environment, Sustainability

October 2015: 224pp

Hb: 978-1-138-79239-5: \$145.00

eBook: 978-1-315-76213-5

* For full contents and more information, visit: www.routledge.com/9781138792395

High Speed Rail and Sustainability

Decision-Making and the Political Economy of Investment

Edited by Blas Luis Pérez Henríquez, University of California at Berkeley, USA and Elizabeth Deakin, University of California at Berkeley, USA

Series: *Routledge Explorations in Environmental Studies*

This book explores the environmental, economic and social effects of developing a high speed rail (HSR) system, drawing on new evaluations of the proposed system as well as lessons from international experience. Through these accumulated lessons from past HSR system development around the world, leading experts present a diverse set of perspectives as well as diverse contexts of implementation. As well as the key case study of California in the United States, cases from Japan, France, Germany, Italy, Spain, Taiwan, China, and the United Kingdom show how governments and stakeholders have bridged the gap between the vision and the realities of connecting metropolitan regions through HSR. The cases also illustrate how HSR has been used to promote economic development, smart growth and sustainability, in some cases more successfully than others.

Routledge

Market: Environment, Sustainability

November 2015: 304pp

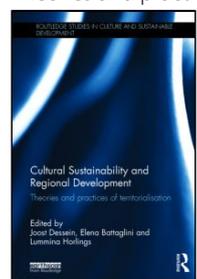
Hb: 978-1-138-89197-5: \$140.00

eBook: 978-1-315-70940-6

* For full contents and more information, visit: www.routledge.com/9781138891975

Cultural Sustainability and Regional Development

Theories and practices of territorialisation



Edited by Joost Dessein, Elena Battaglini, Istituto di Ricerche Economiche e Sociali, Italy and Lummina Hurlings, Wageningen University, The Netherlands

Series: *Routledge Studies in Culture and Sustainable Development*

Launching the concept of 'territorialisation', this book explores how the natural environment and culture are constitutive of each other. The concept of territorialisation allows us to study the characterisation of the natural assets of a place; the means by which the natural environment and culture interact; and how communities assign meaning to local assets, add functions and ascribe rules of how to use space. Territorialisation helps frame

the concept of sustainable regional development and to grasp the role and meaning of culture in sustainable regional development because it highlights the time-space dimension in the use and consumption of resources.

Routledge

Market: Environment, Sustainability / Regional Development and Planning

August 2015: 296pp

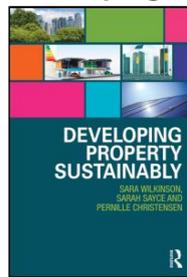
Hb: 978-1-138-83008-0: \$145.00

eBook: 978-1-315-73743-0

* For full contents and more information, visit: www.routledge.com/9781138830080

TEXTBOOK

Developing Property Sustainably



Sara Wilkinson, University of Technology, Sydney, Australia, Sarah Sayce, Kingston University, UK and Pernille Christensen, University of Technology, Sydney, Australia

Developing Property Sustainably provides a clear and practical overview of the key issues surrounding the sustainable property development process, providing a critical appraisal of the problems faced by global built environment stakeholders. Despite the continued research and debate on sustainable practices, the property development industry is failing to adequately respond and adopt more rigorous measurement techniques and sustainable approaches. Drawing on both practice and academia, the book provides an overview of sustainable property development from inception to occupation

and beyond and will be useful to students of real estate development, property and urban development.

Routledge

Market: Property, Sustainable Development

July 2015: 296pp

Hb: 978-0-415-83566-4: \$185.00

Pb: 978-0-415-83567-1: \$57.95

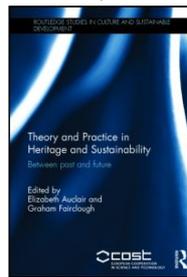
eBook: 978-1-315-76482-5

* For full contents and more information, visit: www.routledge.com/9780415835671



Theory and Practice in Heritage and Sustainability

Between past and future



Edited by Elizabeth Auclair, Cergy-Pontoise University, France and Graham Fairclough, Newcastle University, UK

Series: *Routledge Studies in Culture and Sustainable Development*

This book explores the relationships between heritage and sustainability in terms of both theory and practice. It examines the relationships between people and communities in the places where they live, and thus exemplifies the diverse ways in which heritage is used to forge identities and support and create memory, individually and collectively. The book encourages a view of heritage as a people-centred process and focuses on the aspects of cultural sustainability that help to support human well-being through socially- and culturally-sensitive policy and practice.

Routledge

Market: Sustainable Development / World Heritage

April 2015: 222pp

Hb: 978-1-138-77890-0: \$155.00

eBook: 978-1-315-77161-8

* For full contents and more information, visit: www.routledge.com/9781138778900

Green Jobs for Sustainable Development

Sanja Tišma, Institute for Development and International Relations, Hungary, Ana-Maria Boromisa, Institute for Development and International Relations, Hungary and Anastaysa Raditya Lezaic, Institute for Development and International Relations, Hungary

Series: *Routledge Studies in Ecological Economics*

This book deals with the relationship between "green" concepts (green jobs, green economy, green growth) and sustainable development. It examines to which extent creation of green jobs supports overall economic development as opposed to creation of elitist jobs and greenwashing. In order to do so, general conceptual frameworks for green jobs, green economy, green growth and green policy are presented as well as their implementation in ten countries selected among the Group of Twenty. The selection includes advanced (the European Union, the United States of America, Australia, Canada, Republic of Korea, Japan) and developing countries (Mexico, China, Turkey and Brazil).

Routledge

Market: Economics

July 2015: 176pp

Hb: 978-0-415-74774-5: \$155.00

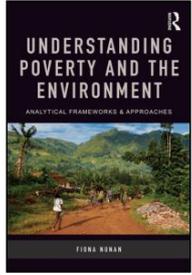
eBook: 978-1-315-79687-1

* For full contents and more information, visit: www.routledge.com/9780415747745

TEXTBOOK

Understanding Poverty and the Environment

Analytical frameworks and approaches



Fiona Nunan, University of Birmingham, UK

Does poverty lead to environmental degradation? Do degraded environments and natural resources lead to poverty? Or are there other forces at play? Is the relationship between poverty and the environment really as straightforward as the vicious circle portrayal of 'poverty leading to environmental destruction leading to more poverty' would suggest? Does it matter if the relationship is portrayed in this way? Recommended further reading draws on published material from the last thirty years as well as key contemporary publications, steering readers towards essential key texts and authors for each topic. Themes examined include power, access, institutions and scale.

Routledge

Market: Development Studies/Environmental Studies

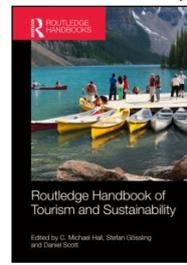
March 2015: 206pp

Hb: 978-0-415-70756-5: **\$145.00**

Pb: 978-0-415-70759-6: **\$56.95**

eBook: 978-1-315-88670-1

* For full contents and more information, visit: www.routledge.com/9780415707596

**The Routledge Handbook of Tourism and Sustainability**

Edited by C. Michael Hall, University of Canterbury, New Zealand, Stefan Gossling, Lund University, Sweden and Daniel Scott, University of Waterloo, Canada

This timely *Handbook* provides a systematic guide to the current state of knowledge on tourism and sustainability. It commences with a state-of-the-art assessment of tourism's global environmental and socio-economic effects then provides accounts of the main theoretical frameworks that inform tourism and sustainability, management tools and approaches, and the approaches used in different travel industry sectors. The concluding section examines emerging and future concerns in tourism and sustainability such as peak-oil, post-carbon tourism, green economy and transition tourism.

Routledge

Market: Tourism

February 2015: 530pp

Hb: 978-0-415-66248-2: **\$205.00**

eBook: 978-0-203-07233-2

* For full contents and more information, visit: www.routledge.com/9780415662482

Managing Organizations for Sustainable Development in Emerging Countries

Edited by Angappa Gunasekaran, University of Massachusetts Dartmouth, USA, Charbel José Chiappetta Jabbour, Sao Paulo State University, Brazil and Ana Beatriz Lopes de Sousa Jabbour, Sao Paulo State University, Brazil

The book chapters focus on the challenges of managing organizations in a context of degradation of natural resources, loss of biodiversity, and climate change.

This book was published as a special issue of the *International Journal of Sustainable Development and World Ecology*

Routledge

Market: Development Studies / Sustainability / Regional Development

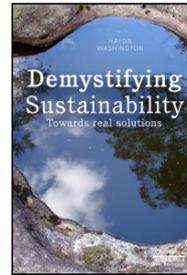
March 2015: 120pp

Hb: 978-1-138-85144-3: **\$140.00**

* For full contents and more information, visit: www.routledge.com/9781138851443

Demystifying Sustainability

Towards Real Solutions



Haydn Washington, University of New South Wales, Australia

Much has been said about sustainability, but few people have really defined what it means. This book takes the reader through the tangled web that has built up around 'sustainability' and 'sustainable development'. It defines what meaningful sustainability should be, which the book explains should be seen as different from 'sustainable development'. In particular it looks at what economic, ecological and social sustainability should be. It also discusses the key problems of denial and unsustainable worldview, which are often missing in current works on sustainability.

Routledge

Market: Environment, Sustainability

January 2015: 222pp

Hb: 978-1-138-81268-0: **\$145.00**

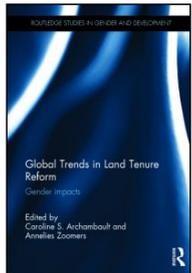
Pb: 978-1-138-81269-7: **\$46.95**

eBook: 978-1-315-74864-1

* For full contents and more information, visit: www.routledge.com/9781138812697

**Global Trends in Land Tenure Reform**

Gender Impacts



Edited by Caroline S. Archambault, Utrecht University, The Netherlands and Annelies Zoomers, Utrecht University, The Netherlands

Series: Routledge Studies in Gender and Development

This book explores the gendered dimensions of recent land governance transformations across the globe, shedding light on how the intersection of these complex forces are reconfiguring livelihoods and impacting women's positions, tenure security and well-being. It brings together empirical community case studies that describe, historicize, and situate land (or land-based resource) governance transformation processes as a product of contemporary forces and regional

specificities. Each contribution carefully analyzes the gendered dimensions of these transformations, exploring how women are impacted by and respond to these processes of change.

Routledge

Market: International Development / Gender

February 2015: 276pp

Hb: 978-1-138-78794-0: **\$155.00**

eBook: 978-1-315-76582-2

* For full contents and more information, visit: www.routledge.com/9781138787940

Transformative Sustainable Development

Participation, reflection and change



Kei Otsuki, United Nations University Institute for Sustainability and Peace, Japan

Series: Routledge Studies in Sustainable Development

Does participation in development projects truly facilitate social transformation gearing towards sustainable development? How do we know if the transformation is fair and just for the participants? This book explores these questions by drawing on ideas from social theory, anthropology, political ecology, and case studies from around the world.

Unknown

Market: Environment, Sustainability

December 2014: 144pp

Hb: 978-0-415-64079-4: **\$140.00**

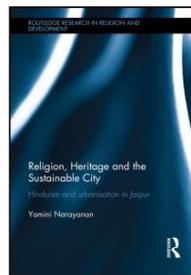
eBook: 978-0-203-08247-8

* For full contents and more information, visit: www.routledge.com/9780415640794



Religion, Heritage and the Sustainable City

Hinduism and urbanisation in Jaipur



Yamini Narayanan, Deakin University, Australia

Series: *Routledge Research in Religion and Development*

Religion has an important role to play in defining sustainable urban development policies in cities. This book explores the historical and ongoing influence of religion on urban planning, design, space utilisation, and the creation and impact on urban identities and communities. Specifically, the book explores how religious heritage, religious beliefs and religiously influenced planning practices have influenced different facets of development in Indian cities.

Routledge

Market: Environment, Sustainability / Planning / Urbanisation / Religion / India

October 2014: 256pp

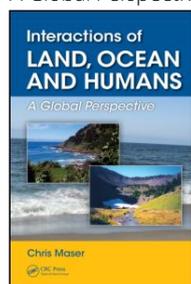
Hb: 978-0-415-84466-6: \$145.00

eBook: 978-0-203-75079-7

* For full contents and more information, visit: www.routledge.com/9780415844666

Interactions of Land, Ocean and Humans

A Global Perspective



Chris Maser, Consultant, Corvallis, Oregon, USA

Series: *Social Environmental Sustainability*

Coastal and marine ecosystems are threatened by global warming, sea level rise and changes in ocean chemistry. This book synthesizes a large body of literature on how terrestrial and marine ecosystems interact globally and how these interactions will be affected by, and affect, anthropogenic changes.

CRC Press

Market: Environmental Science

October 2014: 6-1/8 x 9-1/4: 332pp

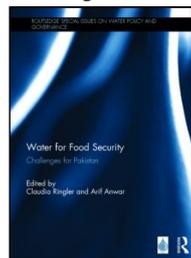
Hb: 978-1-482-22639-3: \$89.95

eBook: 978-1-482-22640-9

* For full contents and more information, visit: www.crcpress.com/9781482226393

Water for Food Security

Challenges for Pakistan



Edited by Claudia Ringler, CGIAR, France and Arif Anwar, CGIAR, France

Series: *Routledge Special Issues on Water Policy and Governance*

The chapters in this book address many of the key challenges listed at the top of Pakistan's water and food agendas, including irrigation management reform; and equity in water allocation; energy use in irrigated agriculture and soil degradation affecting water supplies; as well as climate change impacts and adaptation options for Pakistan's water and food security.

This book was published as a special issue of *Water International*

Unknown

Market: Environment & Resources / Pakistan / Sustainable Development

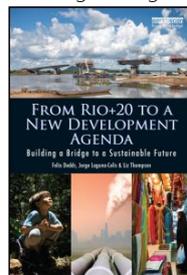
September 2014: 174pp

Hb: 978-1-138-78628-8: \$150.00

* For full contents and more information, visit: www.routledge.com/9781138786288

From Rio+20 to a New Development Agenda

Building a Bridge to a Sustainable Future



Felix Dodds, University of North Carolina, USA, Jorge Laguna-Celis, United Nations, New York, USA and Liz Thompson, United Nations, New York, USA

Twenty years after the United Nations Conference on Environment and Development, "The Earth Summit," in Rio, the Rio+20 conference in 2012 made major progress in refocusing the goals of sustainable development and an agenda for the future. Written by practitioners and participants involved in the multilateral process of negotiations, this book presents a unique insider analysis of not only what happened and why, but also where the outcomes might impact in the future, particularly around the development of a new set of development goals.

Routledge

Market: Environment & Sustainability/Politics

January 2014: 264pp

Hb: 978-0-415-71653-6: \$145.00

Pb: 978-0-415-71654-3: \$49.95

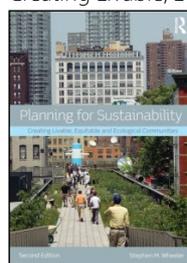
eBook: 978-1-315-87986-4

* For full contents and more information, visit: www.routledge.com/9780415716543

2nd Edition · TEXTBOOK

Planning for Sustainability

Creating Livable, Equitable and Ecological Communities



Stephen M. Wheeler, University of California, USA

Planning for Sustainability presents a wide-ranging, intellectually well-grounded, and accessible introduction to the concept of planning for more sustainable and livable communities. The text explores topics such as how more compact, walkable cities and towns might be created, how local ecosystems can be restored, how social inequalities might be reduced, how greenhouse gas emissions might be lowered, and how more sustainable forms of economic development can be brought about. Many photographs, graphics, and examples help illustrate key points.

Routledge

Market: Planning/ Urban Studies/ Geography/ Environmental Studies

June 2013: 424pp

Hb: 978-0-415-80988-7: \$144.00

Pb: 978-0-415-80989-4: \$65.99

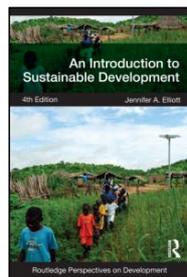
eBook: 978-0-203-13455-9

Prev. Ed Pb: 978-0-415-32286-7

* For full contents and more information, visit: www.routledge.com/9780415809894

4th Edition · TEXTBOOK

An Introduction to Sustainable Development



Jennifer Elliott, University of Brighton, UK

Series: *Routledge Perspectives on Development*

The new edition has been extensively revised to highlight recent developments in the theory and practice of sustainable development. The theoretical framework underpinning the book has also been strengthened and explicit attention is now given to the significance of geography and place. It also reviews recent activity in the arena of developing indicators of sustainable development. Containing a wealth of new case studies from across the globe, discussion question, guides for further reading and a glossary, this text provides an invaluable introduction to the characteristics, challenges and opportunities of sustainable development.

Routledge

Market: Development Studies/ Environmental Studies/ Geography

August 2012: 364pp

Hb: 978-0-415-59072-3: \$150.00

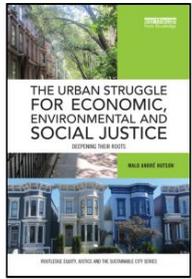
Pb: 978-0-415-59073-0: \$49.95

eBook: 978-0-203-84417-5

* For full contents and more information, visit: www.routledge.com/9780415590730

The Urban Struggle for Economic, Environmental and Social Justice

Deepening their Roots



Malo André Hutson, University of California, Berkeley, USA

Series: *Routledge Equity, Justice and the Sustainable City series*

This book provides a comprehensive analysis of how strong-market cities are pressured to remain on the cutting edge of innovation by looking for ways to develop and enhance their local economy. It captures the current demographic shifts of blacks, Latinos and other people of color out of strong-market cities and the growing fear of displacement among low-income urban residents. Based on an analysis of eight low-income/mixed-income communities in Boston, New York, San Francisco, and Washington, DC, the book explores the efforts by these populations to remain in their communities and highlights how this leads to community organizing around

economic, environmental, and social justice.

Unknown

Market: Environment, Sustainability / Urban Studies / Planning

October 2015: 224pp

Hb: 978-1-138-81770-8: **\$145.00**

eBook: 978-1-315-74552-7

* For full contents and more information, visit: www.routledge.com/9781138817708

Rebuilding the American City

Design and Strategy for the 21st Century urban Core

David Gamble and Patricia Heyda

Rebuilding the American City offers new insights into the diverse design interventions and comprehensive planning strategies that American cities have deployed to initiate fiscal, physical and environmental resilience. The book provides 18 detailed case studies of projects envisioned and implemented within the last two decades, and interviews with individuals directly involved in the initiatives. *Rebuilding the American City* is essential reading for professionals and students in urban design, planning and public policy looking for diverse models of urban transformation to attract and keep the next generation and create resilient urban cores.

Routledge

December 2015: 8 x 10: 304pp

Hb: 978-1-138-79813-7: **\$190.00**

Pb: 978-1-138-79814-4: **\$64.95**

eBook: 978-1-315-75673-8

* For full contents and more information, visit: www.routledge.com/9781138798144

Religion and Urbanism

Reconceptualising Sustainable Cities for South Asia

Edited by Yamini Narayanan, Deakin University, Australia

Series: *Routledge Research in Religion and Development*

Religion and Urbanism contributes to an expanded understanding of the notion of 'sustainable cities' in the context of South Asia by demonstrating that religion exerts a significant influence on the nature of urban development in the region. The book argues that the multiple, often conflicting and complicated ways in which religion or the multiplicity of religions enable or challenge socially equitable and ecologically sustainable urbanisation must thus be considered in analyses of 'sustainable urban development' of the region.

Unknown

Market: Development / Urban Planning / Religion / Asian Studies

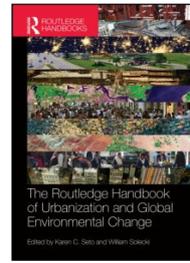
December 2015: 224pp

Hb: 978-0-415-74520-8: **\$145.00**

eBook: 978-1-315-79806-6

* For full contents and more information, visit: www.routledge.com/9780415745208

Routledge Handbook of Urbanization and Global Environmental Change



Edited by Karen C. Seto and Solecki D. Solecki

Series: *Routledge International Handbooks*

This volume provides a comprehensive overview of the interactions and feedbacks between urbanization and global environmental change. A key focus is the examination of how urbanization influences global environmental change, and how global environmental change in turn influences urbanization processes. It has four thematic foci: Theme 1 addresses the pathways through which urbanization drives global environmental change. Theme 2 addresses the pathways through which global environmental change affects the urban system. Theme 3 addresses the interactions and responses within

the urban system in response to global environmental change. Theme 4 centers on critical emerging research.

Routledge

Market: Urban Studies/Environmental Studies/Climate Change

July 2015: 646pp

Hb: 978-0-415-73226-0: **\$205.00**

eBook: 978-1-315-84925-6

* For full contents and more information, visit: www.routledge.com/9780415732260

The Politics of Slums in the Global South

Urban Informality in Brazil, India, South Africa and Peru

Edited by Veronique Dupont, Université Paris Diderot, France, David Jordhus-Lier, University of Oslo, Norway, Catherine Sutherland, University of KwaZulu-Natal, South Africa and Einar Braathen, Norwegian Institute for Urban and Regional Research, Norway

Series: *Routledge Studies in Cities and Development*

Through in-depth case studies and comparative research, this volume juxtaposes conceptual discussions of urban political dynamics with empirical material from research undertaken on cities in Brazil, India, South Africa and Peru. As an exploration of participatory spatial knowledge production, the book goes beyond a rigid comparative system of variables. Instead it explores how poor and marginalised residents in cities of the Global South are subject to converging policies, interpreted in different ways and meeting these challenges through different forms of resistance.

Routledge

Market: Development Studies, Development Politics

September 2015: 224pp

Hb: 978-1-138-83981-6: **\$135.00**

eBook: 978-1-315-73324-1

* For full contents and more information, visit: www.routledge.com/9781138839816

Design for Urban Disaster

Response, Resilience, Transformation

Edited by David Sanderson, Jerold Kayden and Julia Leis

Design for Urban Disaster brings together writings from humanitarian aid workers and built environmental practitioners to address the crucial questions around improving disaster response, building long term resilience and transformation, which explores the fundamental changes that reduce or even prevent future disaster.

Routledge

Market: Planning/Sustainability/Urban Design

February 2016

Hb: 978-1-138-84962-4: **\$190.00**

Pb: 978-1-138-84963-1: **\$49.95**

eBook: 978-1-315-72542-0

* For full contents and more information, visit: www.routledge.com/9781138849631

Urban Sustainability Indicators

A Guidebook

Edited by **Devisari Tunas**, National University of Singapore, Singapore, **Lai-Choo Malone-Lee** and **Heng Chye Kiang**

Series: *Advances in Urban Sustainability*

This book presents a comprehensive guide for assessing sustainable urban development. It covers thirteen thematic areas pertaining to sustainability of cities and urban areas, which have direct implications on spatial planning and policies, and considers how they interlink with one another. It presents sustainability performance indicators for self-assessment and benchmarking cities, and includes both qualitative and quantitative indicators.

Routledge

Market: Environment, Sustainability

October 2015: 400pp

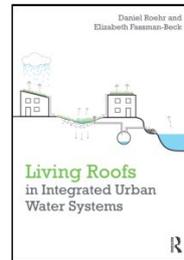
Hb: 978-1-138-80442-5: \$160.00

Pb: 978-1-138-80444-9: \$57.95

* For full contents and more information, visit: www.routledge.com/9781138804449



Living Roofs in Integrated Urban Water Systems



Daniel Roehr, University of British Columbia School of Architecture and Landscape Architecture and **Elizabeth Fassman-Beck**, Department of Civil, Environmental, and Ocean Engineering at Stevens Institute of Technology in Hoboken, New Jersey, USA

With the infrastructure to manage stormwater threats in cities becoming increasingly expensive to build or repair, the design community needs to look at alternative approaches. Living roofs present an opportunity to complement ground-level stormwater control measures, contributing to a holistic, integrated urban water management system.; This book offers tools to plan and design living roofs, in the context of effectively mitigating

stormwater. Quantitative tools for engineering calculations and qualitative discussion of potential influences and interactions of the design team and assembly elements are addressed.

Routledge

Market: Sustainability / Landscape Architecture

March 2015: 192pp

Hb: 978-0-415-53553-3: \$79.95

eBook: 978-1-315-72647-2

* For full contents and more information, visit: www.routledge.com/9780415535533

Recoded City

Co-Creating Urban Futures

Thomas Ermacora and **Lucy Bullivant**, Adjunct Professor of Urban Design History and Theory, Syracuse University in London

The future of urbanism is being recoded: no longer the preserve of the external elite, it is being fundamentally affected by the impact of participatory placemaking, putting citizens front and centre of the new open source city. By changing the ways they see their communities, people talk, learn and develop new ways of bringing about positive change to their local environments.

Recoded City is for practitioners and placemakers, architects and designers, planners and urbanists and is both an inspiration and a practical assessment of what works and how to facilitate change.

The future of cities is about maximizing social equity and social capital – Recoded City shows how it can be done.

Routledge

Market: Planning

June 2015: 304pp

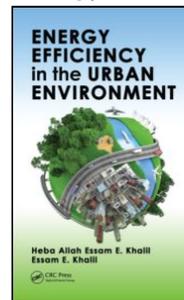
Hb: 978-1-138-81979-5: \$190.00

Pb: 978-1-138-81980-1: \$59.95

eBook: 978-1-315-74420-9

* For full contents and more information, visit: www.routledge.com/9781138819801

Energy Efficiency in the Urban Environment



Heba Allah Essam E. Khalil, University of Cairo, Egypt and **Essam E. Khalil**, University of Cairo, Egypt

Series: *Mechanical and Aerospace Engineering Series*

This book offers an integrated view of energy systems and urban planning supported by extensive data, references, and case studies. With a special focus on Egypt, this text examines the energy efficiency performance of cities following sustainable urbanism principles, investigates how informal areas in developing countries achieve sustainable development, presents energy-efficient urban planning as a tool for improving city energy performance, proposes a common procedure for obtaining an energy performance certificate, and calculates the energy performance of buildings, accounting for heating/cooling systems and other variables.

CRC Press

Market: Renewable Energy

February 2015: 6-1/8 x 9-1/4: 301pp

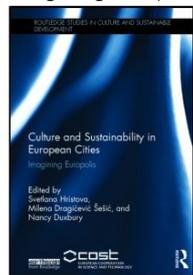
Hb: 978-1-482-25063-3: \$129.95

eBook: 978-1-482-25065-7

* For full contents and more information, visit: www.crcpress.com/9781482250633

Culture and Sustainability in European Cities

Imagining Europolis



Edited by **Svetlana Hristova**, University in Blagoevgrad, Bulgaria, **Milena Dragičević Šešić**, University of Arts, Serbia and **Nancy Duxbury**, University of Coimbra, Portugal

Series: *Routledge Studies in Culture and Sustainable Development*

This book reveals the unique profile of European cities as generators of sustainable development and the special contribution of culture. It addresses both a deficit of attention to the role of small and medium-sized cities in European sustainable development and an underestimation of the role of culture, arts and creativity for integrated development of the city as a prerequisite for urban sustainability. On the basis of a

broad collection of case studies and good practices throughout Europe, the book investigates how participative culture, community arts creativity of civic imagination contribute to the goal of sustainable cities.

Routledge

Market: Urban Studies / Cultural Studies / Sustainability / Geography

April 2015: 256pp

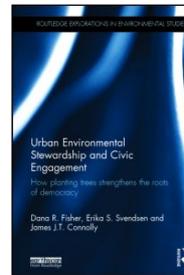
Hb: 978-1-138-77841-2: \$155.00

eBook: 978-1-315-77202-8

* For full contents and more information, visit: www.routledge.com/9781138778412

Urban Environmental Stewardship and Civic Engagement

How planting trees strengthens the roots of democracy



Dana R. Fisher, University of Maryland, USA, **Erika S. Svendsen**, US Forest Service, USA and **James Connolly**, Northeastern University, USA

Series: *Routledge Explorations in Environmental Studies*

As people around the world increasingly relocate themselves to urban areas, this book discusses how they engage in urban stewardship and what civic participation in the environment means for democracy. Using detailed case study, the book explores the social motivations of volunteers in urban environmental campaigns and examines how the efforts of individuals to reshape cities contributes to democracy.

Routledge

Market: Environment, Sustainability

February 2015: 132pp

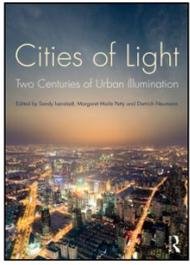
Hb: 978-0-415-72363-3: \$140.00

eBook: 978-1-315-85758-9

* For full contents and more information, visit: www.routledge.com/9780415723633

Cities of Light

Two Centuries of Urban Illumination



Edited by **Sandy Isenstadt**, University of Delaware, US, **Margaret Maile Petty**, Victoria University of Wellington, New Zealand and **Dietrich Neumann**, Brown University, Rhode Island, USA

Cities of Light explores the history of urban electrification in major world metropolises like New York, London, Paris, Tokyo and Mumbai, but also looks at lighting as a kind of urban design itself. Through case studies of some of the world's largest and most dramatically lit cities, the book examines the shock brought by early urban lighting, with new design forms like outdoor advertising, public cinema, and nightlife photography pushing the world into modernism. The book looks to the future of

mediascapes, lighting masterplans, and "guerrilla lighting" in emerging cities in the UAE and Asia to see what the future of the all-night city will look like.

Routledge

Market: Planning/Urban Design
February 2015: 216pp

Hb: 978-1-138-81391-5: **\$190.00**

Pb: 978-1-138-81392-2: **\$59.95**

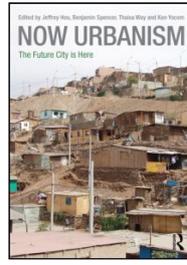
eBook: 978-1-315-74783-5

* For full contents and more information, visit: www.routledge.com/9781138813922



Now Urbanism

The Future City is Here



Edited by **Jeffrey Hou**, University of Washington, USA, **Benjamin Spencer**, University of Washington, USA, **Thaisa Way**, University of Washington, USA and **Ken Yocom**, University of Washington, USA

Now Urbanism asserts that the future city is here. Moving beyond current approaches, the authors suggest a deeper exploration of cities and city-making that engages a siting of theories and practice, a grounding in shared and conflicting narratives, a focus on performance and speculation on the potential of future praxis. The contributions focus on how ecology, design, and cities must be re-conceptualized and operationalized to address the challenges of a rapidly shifting climate and

unprecedented urban growth.

Routledge

Market: Urban Landscapes

November 2014: 314pp

Hb: 978-0-415-71785-4: **\$180.00**

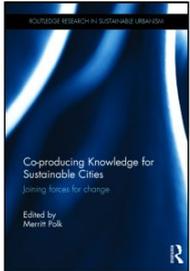
Pb: 978-0-415-71786-1: **\$55.95**

eBook: 978-1-315-75306-5

* For full contents and more information, visit: www.routledge.com/9780415717861

Co-producing Knowledge for Sustainable Cities

Joining Forces for Change



Edited by **Merritt Polk**, University of Gothenburg, Sweden

Series: Routledge Research in Sustainable Urbanism

Many issues and problems within sustainable urban development are managed within traditional disciplinary and organizational structures. However, problems such as, climate change, resource constraints, poverty and social tensions all exceed current compartmentalization of policy-making, administration and knowledge production. This book provides a better understanding of how researchers and practitioners together can co-produce knowledge to better contribute to solving the complex challenges of reaching sustainable urban futures. Examples are taken from Cape Town, Gothenburg, Kisumu, Manchester, Melbourne and a selection of cities in Southeast Asia.

Kisumu, Manchester, Melbourne and a selection of cities in Southeast Asia.

Routledge

Market: Sustainability/Urban Studies

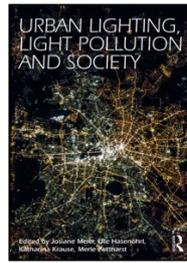
January 2015: 196pp

Hb: 978-1-138-81361-8: **\$140.00**

eBook: 978-1-315-74803-0

* For full contents and more information, visit: www.routledge.com/9781138813618

Urban Lighting, Light Pollution and Society



Edited by **Josiane Meier**, **Ute Hasenöhl**, **Katharina Krause** and **Merle Pottharst**

Urban lighting is rapidly re-emerging as a matter of public debate. Lighting as a means of place-making and energy-savings, an on-going phase of rapid innovation in lighting technology and the growing awareness that light can constitute a form of pollution raise many questions that have yet to be answered. The first comprehensive compilation of current discussions on urban lighting and light pollution in the social sciences and humanities, *Urban Lighting, Light Pollution and Society* makes contributions to the evolving international debate.

Interdisciplinary in nature, it draws a rich panorama of the manifold discourses connected with artificial illumination in the past and present.

Routledge

Market: Urban Planning

November 2014: 312pp

Hb: 978-1-138-81396-0: **\$190.00**

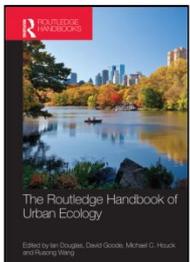
Pb: 978-1-138-81397-7: **\$58.95**

eBook: 978-1-315-74781-1

* For full contents and more information, visit: www.routledge.com/9781138813977

NEW IN PAPERBACK

The Routledge Handbook of Urban Ecology



Edited by **Ian Douglas**, University of Manchester, UK, **David Goode**, **Mike Houck**, Portland State University, USA and **Rusong Wang**, Chinese Academy of Sciences, China

This *Handbook* contains original contributions from leading academics and practitioners from across the world to provide an in-depth coverage of urban ecology. Sixty-five chapters provide practitioners and students with the wealth of interdisciplinary information needed to manage the biota and green landscapes in urban areas. It considers the philosophies, concepts and history of urban ecology; as well as the biophysical character of the urban environment and the diverse habitats within it. It also examines human relationships with urban nature,

the health, economic and environmental benefits of urban ecology and looks at putting the methods discussed into practice.

Routledge

Market: Environmental Science/Geography/Planning/Urban Studies

December 2014: 664pp

Hb: 978-0-415-49813-5: **\$250.00**

Pb: 978-1-138-82442-3: **\$78.95**

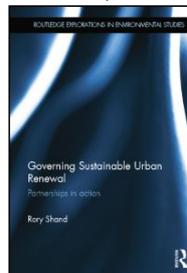
eBook: 978-0-203-83926-3

* For full contents and more information, visit: www.routledge.com/9781138824423



Governing Sustainable Urban Renewal

Partnerships in Action



Edited by **Rory Shand**, Plymouth University, UK.

Series: Routledge Explorations in Environmental Studies

This book focuses on governance and partnerships as central features linked with sustainable urban renewal. Using detailed international case studies, it explores the effect of institutional design and modes of governance, the role of relevant stakeholders, the norms and knowledge of underpinning policy processes and evaluates policy outputs, outcomes and best practice. In doing so, the book illustrates where power and decision making lie in the delivery of urban renewal initiatives and examines the roles for communities in the governance process.

Routledge

Market: Environment, Sustainability

November 2014

Hb: 978-0-415-63741-1: **\$145.00**

Pb: 978-1-138-85593-9: **\$49.95**

eBook: 978-0-203-08458-8

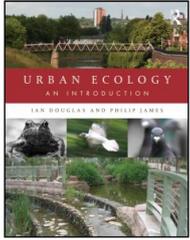
* For full contents and more information, visit: www.routledge.com/9781138855939



TEXTBOOK

Urban Ecology

An Introduction



Ian Douglas, University of Manchester, UK and Philip James, University of Salford, UK

This textbook sets out what we know now and how we can use that knowledge of urban ecology to build and maintain a better, more sustainable urban future; it also identifies what we still need to know. It discusses the components of urban ecology and the role of nature in people's everyday lives. It provides the science that underlies the changing natural scene and the management tools needed to ensure that cities become both capable of adapting to climate change and more beautiful and more sustainable places in which to live.

Routledge

Market: Ecology/Urban Studies

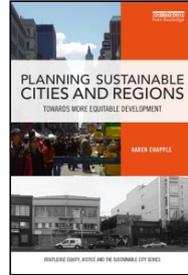
November 2014: 476pp

Hb: 978-0-415-53894-7: **\$160.00**Pb: 978-0-415-53895-4: **\$65.95**

eBook: 978-0-203-10870-3

* For full contents and more information, visit: www.routledge.com/9780415538954**Planning Sustainable Cities and Regions**

Towards More Equitable Development



Karen Chapple, University of California, Berkeley, USA

Series: *Routledge Equity, Justice and the Sustainable City series*

With an audience of students, policymakers, and planning practitioners in mind, this book challenges and reconstructs three traditional premises of urban planning and policymaking – the ideas of creating diversity, fostering opportunity, and growing places – in light of on-going transformation in the structure of households, government, and the economy. This thought-provoking book advocates updating policies to reflect the transformation of our population, economy, and location preferences so that our best plans for sustainability are no longer misaligned with the toolkit available for implementation.

Unknown

Market: Environment, Sustainability / Urban Planning

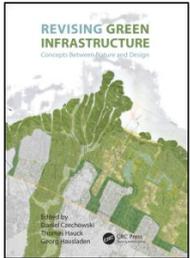
October 2014: 308pp

Hb: 978-1-138-78966-1: **\$155.00**

eBook: 978-1-315-76470-2

* For full contents and more information, visit: www.routledge.com/9781138789661**Revising Green Infrastructure**

Concepts Between Nature and Design



Edited by Daniel Czechowski, Technische Universität München, Freising, Germany, Thomas Hauck and Georg Hausladen, Technische Universität München, Germany

This book addresses the theme of "green infrastructure" from the perspective of landscape architecture. It brings together the work of selected ecologists, engineers, and landscape architects who discuss a variety of theoretical aspects, research projects, teaching methods, and best practice examples in green infrastructure. Each chapter discusses its two aspects: hardware and performance. Hardware describes the tool or device used as a green infrastructure, whereas performance indicates the output or product of a green infrastructure.

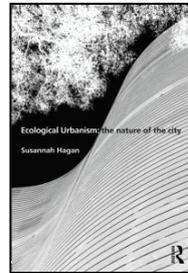
CRC Press

Market: Environmental Science

November 2014: 6-1/8 x 9-1/4: 488pp

Hb: 978-1-482-23220-2: **\$139.95**

eBook: 978-1-482-23221-9

* For full contents and more information, visit: www.crcpress.com/9781482232202**Ecological Urbanism: The Nature of the City**

Susannah Hagan, University of East London, UK

Ecological Urbanism: The Nature of the City seeks to rebalance the ecological narrative and its embryonic modes of practice with the narratives of urbanism and its older, deeply embedded modes of practice. It examines the implications for cities; and the designers of cities, now we are required to again address their metabolic as well as social and formal dimensions. It also explores the extent to which environmental engineering and natural systems design can become drivers for the remaking of cities in the 21st century. Above all, it argues that sooner rather than later, urbanism needs to become environmentally literate, and environmental design needs to become culturally literate.

Routledge

Market: Planning

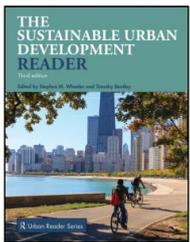
October 2014: 188pp

Hb: 978-0-415-50667-0: **\$180.00**Pb: 978-0-415-50668-7: **\$53.95**

eBook: 978-1-315-76148-0

* For full contents and more information, visit: www.routledge.com/9780415506687

3rd Edition · READER · NEW EDITION

Sustainable Urban Development Reader

Edited by Stephen M. Wheeler, University of California, USA and Timothy Beatley, University of Virginia, USA

Series: *Routledge Urban Reader Series*

The third edition of the reader provides a generous selection of classic and contemporary readings giving a broad introduction to this topic. It begins by tracing the roots of the sustainable development concept before presenting readings on a number of dimensions of the sustainability concept. Topics covered include land use and urban design, transportation, ecological planning and restoration, energy and materials use, economic development, social and environmental justice, and green

architecture and building. New or updated readings have been added relating to global warming, food systems and public health, developing nations and equity and related social issues.

Routledge

Market: urban studies/planning/environmental studies

October 2014: 612pp

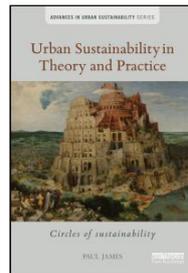
Hb: 978-0-415-70775-6: **\$180.00**Pb: 978-0-415-70776-3: **\$79.95**

eBook: 978-1-315-77036-9

Prev. Ed Pb: 978-0-415-45382-0

* For full contents and more information, visit: www.routledge.com/9780415707763**Urban Sustainability in Theory and Practice**

Circles of sustainability



Paul James, University of Western Sydney, Australia

Series: *Advances in Urban Sustainability*

This book responds to the crises of sustainability in the world today by providing a practical and conceptual guide for rethinking urban engagement. It provides a means of reflexivity learning about urban sustainability in the process of working practically for positive social development and projected change. The book challenges assumptions about sustainability practices while providing tools for modifying them. It emphasizes the necessity of a holistic understanding of urban life and rewrites existing dominant understandings of the social whole that reduce environmental questions to externalities and social

questions to background issues.

Routledge

Market: Environment, Sustainability / Urban Studies / Geography

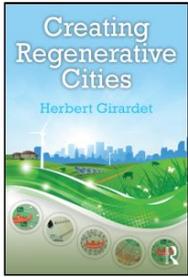
October 2014: 260pp

Hb: 978-1-138-02572-1: **\$145.00**Pb: 978-1-138-02573-8: **\$44.95**

eBook: 978-1-315-76574-7

* For full contents and more information, visit: www.routledge.com/9781138025738

Creating Regenerative Cities



Herbert Girardet, Herbert Girardet, cultural and urban ecologist, UK

Large modern cities have effectively declared their independence from nature. But while they take up only three to four percent of the world's land surface, their ecological footprints cover the entire globe. With current methods of resources use, cities are undermining the ecological basis of their own existence. To meet the aspirations of city people in developing as well as developed countries, bold new initiatives are needed.

Creating Regenerative Cities is a concise, solution-oriented manual for enabling regenerative urbanisation. In our urbanising world a wide range of technical, management and policy solutions already exist, but implementation has been too slow and too

little, in large part because the kinds of holistic approaches needed are still unfamiliar to fragmented and process driven urban policy making and governance.

Routledge

Market: Planning, Urban Studies

September 2014: 208pp

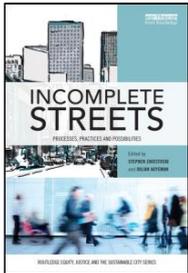
Pb: 978-0-415-72446-3: **\$43.95**

eBook: 978-1-315-76437-5

* For full contents and more information, visit: www.routledge.com/9780415724463

Incomplete Streets

Processes, practices, and possibilities



Edited by Stephen Zavestoski, University of San Francisco, USA and Julian Agyeman, Tufts University, USA

Series: Routledge Equity, Justice and the Sustainable City series

The most prolific and persistent product of the unfolding vision of 'liveable cities' and 'cities for people' has been the genesis and growth of 'complete streets,' a concept and movement that has exploded across the urban planning, transportation planning, environmental policy, sustainable communities, and other scenes. This book examines where important missing narratives in the complete streets discourse and practice result in streets that are "complete" for some but not others. It applies a critical perspective on the rhetoric and practice of complete streets

that goes beyond seeing streets as merely functional spaces.

Routledge

Market: Sustainability / Urban Studies / Planning

August 2014: 326pp

Hb: 978-0-415-72586-6: **\$160.00**

Pb: 978-0-415-72587-3: **\$51.95**

eBook: 978-1-315-85653-7

* For full contents and more information, visit: www.routledge.com/9780415725873

NEW IN PAPERBACK

The Urban Condition



Brendan Gleeson, Melbourne University, Australia

Series: Questioning Cities

A majority of humanity now lives for the first time in cities. The city, the highest invention of the modern age, is now the human heartland. And yet the same process that brought us the city and its wonders, modernisation, has also thrown up challenges and threats such as climate change, resource depletion, social division and economic insecurity. *The Urban Condition* considers how these threats are to be encountered and countered in an urban age. It will focus on the issue of human knowledge and self-awareness, just as Hannah Arendt's influential *The Human Condition* did half a century ago.

Routledge

Market: Urban Studies/Environmental Studies/Social Theory

April 2015: 166pp

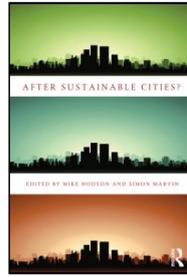
Hb: 978-0-415-81612-0: **\$144.00**

Pb: 978-1-138-90507-8: **\$39.95**

eBook: 978-0-203-38817-4

* For full contents and more information, visit: www.routledge.com/9781138905078

After Sustainable Cities?



Edited by Mike Hodson, University of Salford, UK and Simon Marvin, Durham University, UK

This book offers the first comprehensive, critical and comparative analysis of the new eco-logics reshaping conventional sustainable cities discourse. It brings together leading researchers on smart cities, green growth, resource flows, vulnerability and resilience, ecological security and climate change to examine how these new eco-logics are reshaping the environmental priorities of cities. Each chapter considers what these new logics do to the original precepts of sustainable cities and identify what sort of city is now emerging. A technologically driven and narrowly constructed economic agenda is driving ecological policy, weakening previous commitments to social justice and

equity.

Routledge

Market: Urban Studies/Environmental Studies/Sustainability Studies

April 2014: 146pp

Hb: 978-0-415-65986-4: **\$140.00**

Pb: 978-0-415-65987-1: **\$48.95**

eBook: 978-0-203-07460-2

* For full contents and more information, visit: www.routledge.com/9780415659871

TEXTBOOK

Cities, Disaster Risk and Adaptation



Christine Wamsler, Lund University, Sweden

Series: Routledge Critical Introductions to Urbanism and the City

This book addresses the urgent need for re-evaluating current city planning to provide better solutions. With disasters and changing climatic conditions being a product of past developments, responding and adapting effectively to risk is inherently complex. This book explores the complex interrelation between disasters, climate change, and cities, provides an understanding on how to integrate sustainable risk reduction and adaptation into city planning – both in theory and in practice, and analyzes the role that people's coping strategies, urban institutions, and governance can play in addressing increasing disaster risk.

Routledge

Market: Urban Studies/Geography/Development Studies

November 2013: 334pp

Hb: 978-0-415-59102-7: **\$150.00**

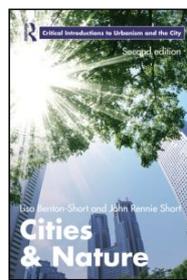
Pb: 978-0-415-59103-4: **\$45.95**

eBook: 978-0-203-48677-1

* For full contents and more information, visit: www.routledge.com/9780415591034

2nd Edition · TEXTBOOK

Cities and Nature



Lisa Benton-Short, George Washington University, Maryland, USA and John Rennie Short, University of Maryland, USA

Series: Routledge Critical Introductions to Urbanism and the City

The book gives an overview of urban development and its impact on the environment, focusing on critical contemporary issues such as urban ecology, hazards and disasters, water quality and supply, air pollution and climate change, and garbage. Sustainability and different theoretical approaches are also considered, as well as environmental justice and the role of gender and race in sustainability discourse. The last chapter explores the ways in which cities are practicing

sustainability—from light "greening" efforts such as planting trees, to more comprehensive sustainability plans that integrate the multiple dimensions of sustainability.

Routledge

Market: Urban Studies, Environmental Studies and Geography

May 2013: 522pp

Hb: 978-0-415-62555-5: **\$140.00**

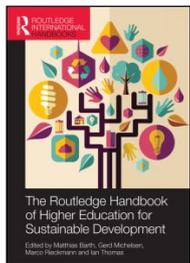
Pb: 978-0-415-62556-2: **\$55.99**

eBook: 978-0-203-10350-0

Prev. Ed Pb: 978-0-415-35589-6

* For full contents and more information, visit: www.routledge.com/9780415625562

Routledge Handbook of Higher Education for Sustainable Development



Edited by **Matthias Barth**, University of Applied Science Ostwestfalen-Lippe, Germany, **Gerd Michelsen**, Leuphana University of Lüneburg, Germany, **Marco Rieckmann**, University of Vechta, Germany and **Ian Geoffrey Thomas**, RMIT University, Australia

Series: Routledge International Handbooks

This book gives a systematic and comprehensive overview of existing and upcoming research approaches for higher education for sustainable development. It provides a unique resource for researchers engaged in the field of higher education for sustainable development by connecting theoretical aspects of the range of relevant methodologies, showing the

interdisciplinary aspects of the research field and illustrating the breadth of research directions.

Routledge

Market: Environment, Sustainability / Education

October 2015: 472pp

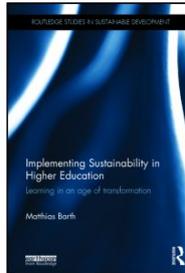
Hb: 978-0-415-72730-3: **\$205.00**

eBook: 978-1-315-85224-9

* For full contents and more information, visit: www.routledge.com/9780415727303

Implementing Sustainability in Higher Education

Learning in an age of transformation



Edited by **Matthias Barth**, Ostwestfalen-Lippe University of Applied Sciences, Germany

Series: Routledge Studies in Sustainable Development

This book asks how we can equip students and scholars with the capabilities to contribute to a more sustainable future, and how the higher education curriculum can be changed in a way to facilitate the paradigm shift needed. A rising number of higher education institutions and academics are responding to these questions by transforming their own teaching and learning and their institutions' curricula. This book contributes to that development by offering a systematic review of existing case studies, reports of innovative approaches, and curriculum

changes.

Routledge

Market: Sustainability / Education / Sustainable Development

October 2014: 222pp

Hb: 978-0-415-83374-5: **\$140.00**

eBook: 978-0-203-48835-5

* For full contents and more information, visit: www.routledge.com/9780415833745



Higher Education and Capacity Building in Africa

The Geography and Power of Knowledge

Edited by **Hanne Kirstine Adriansen**, Aarhus University, Denmark, **Lene Møller Madsen**, University of Copenhagen, Denmark and **Stig Jensen**, University of Copenhagen, Denmark

Series: Routledge Studies in African Development

This book uses 'geography of scientific knowledge' as an analytical framework for exploring the current and future development of knowledge production in Africa. It analyses how scientific knowledge is negotiated and contested in parallel to societal changes in general and capacity building in particular, and thus how scientific knowledge becomes local. The book takes a cross-disciplinary approach to understand capacity building of the university sector through the lens of climate research.

Unknown

Market: Education / Human Geography / African Studies / Development

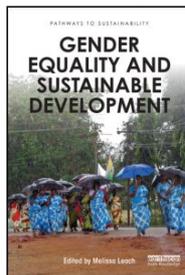
December 2015: 224pp

Hb: 978-1-138-83815-4: **\$135.00**

eBook: 978-1-315-73462-0

* For full contents and more information, visit: www.routledge.com/9781138838154

Gender Equality and Sustainable Development



Edited by **Melissa Leach**, University of Sussex, UK

Series: Pathways to Sustainability

This book calls for policies, investments and initiatives in sustainable development that recognize women's knowledge, agency and decision-making as fundamental. Such gender-equitable approaches can improve resource productivity and efficiency and enhance ecosystem conservation and sustainable use. They can also build fairer and greener economies, and more sustainable, low-carbon and climate-resilient food, energy, water and sanitation, and health systems. Four key sets of issues - work and industrial production; population and reproduction; food and agriculture, and water, sanitation and energy - provide focal lenses through which the book's chapters consider these challenges.

Routledge

Market: Environment, Sustainability / Gender / Development

September 2015: 224pp

Hb: 978-1-138-92130-6: **\$145.00**

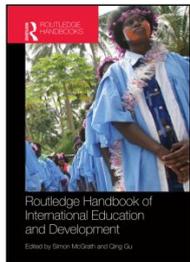
Pb: 978-1-138-92131-3: **\$44.95**

eBook: 978-1-315-68645-5

* For full contents and more information, visit: www.routledge.com/9781138921313



Routledge Handbook of International Education and Development



Edited by **Simon McGrath** and **Qing Gu**, University of Nottingham, UK

Series: Routledge International Handbooks

This timely Handbook takes stock of the range of debates that characterise the field of international education and development, and suggests key aspects of a research agenda for the next period. It is deliberately divergent in its approach, recognising the major ideological and epistemological divides that characterise a field that draws on many traditions. Leading and emergent voices from different paradigms and contexts are afforded a space to be heard and each section puts current debates in larger historical contexts through section

introductions and historical pieces.

Routledge

Market: International Education / Development

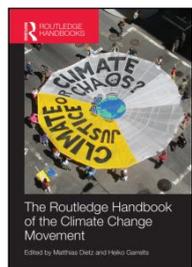
August 2015: 488pp

Hb: 978-0-415-74754-7: **\$215.00**

eBook: 978-1-315-79700-7

* For full contents and more information, visit: www.routledge.com/9780415747547

Routledge Handbook of the Climate Change Movement



Edited by **Matthias Dietz**, University of Bremen, Germany and **Heiko Garrelts**, University of Bremen, Germany

Series: Routledge International Handbooks

This handbook provides a comprehensive overview of the growing international climate movement. A dual focus on climate politics and civil society provides a hitherto unavailable broad and systematic analysis of the current global movement, highlighting how its dynamic and diverse character can play an important role in environmental politics and conservation. In its breadth, balance and depth, this accessible volume offers a fresh and important take on the question of social mobilization around climate change, making it an essential text for advanced

undergraduates, postgraduate students and researchers in the social sciences.

Unknown

Market: Environment, Sustainability

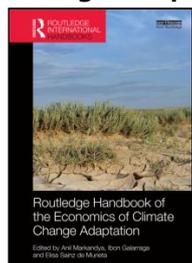
December 2013: 366pp

Hb: 978-0-415-83925-9: **\$225.00**

eBook: 978-0-203-77353-6

* For full contents and more information, visit: www.routledge.com/9780415839259

Routledge Handbook of the Economics of Climate Change Adaptation



Edited by **Anil Markandya**, **Ibon Galarraga** and **Elisa Sainz de Murieta**, all at Basque Centre for Climate Change, Spain

Series: Routledge International Handbooks

Climate change is one of the greatest challenges facing the world today. There is great uncertainty regarding its future impacts on a planetary scale and the extent to which each eco-system and region will be affected. This book deals with the varied economic challenges that arise from the implication of adaptation policies, making a timely and important contribution to the study of climate change economics. It brings together the world's leading international experts and includes the most up to date research in the area.

Unknown

Market: Environment, Sustainability

January 2014: 464pp

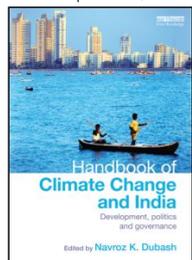
Hb: 978-0-415-63311-6: **\$225.00**

eBook: 978-0-203-09520-1

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Handbook of Climate Change and India

Development, Politics and Governance



Edited by **Navroz K. Dubash**

Relatively little is known globally about internal climate debate in emerging industrializing countries, but what happens in rapidly growing economies like India's will increasingly shape global climate change outcomes. This Handbook brings together prominent voices from India, including policymakers, politicians, business leaders, civil society activists and academics, to build a composite picture of contemporary Indian climate politics and policy.

Routledge

Market: Environment

November 2011: 400pp

Hb: 978-1-849-71358-0: **\$225.00**

Pb: 978-1-138-92401-7: **\$59.99**

* For full contents and more information, visit: www.routledge.com/9781849713580

Urban Poverty and Climate Change

Life in the Slums of Asia, Africa and Latin America

Edited by **David Hulme**, University of Manchester, UK, **Manoj Roy**, Lancaster University, UK, **Michaela Hordijk**, University of Amsterdam, the Netherlands and **Sally Cawood**, University of Manchester, UK

Series: Routledge Advances in Climate Change Research

This book deepens the understanding of the broader processes that shape and mediate the responses to climate change of poor urban households and communities in Asia, Africa and Latin America. Representing an important contribution to the evolution of more effective pro-poor climate change policies in urban areas by local governments, national governments and international organisations, this book is invaluable reading to students and scholars of environment and development studies.

Unknown

Market: Environment, Sustainability

November 2015: 240pp

Hb: 978-1-138-86050-6: **\$140.00**

eBook: 978-1-315-71643-5

* For full contents and more information, visit: www.routledge.com/9781138860506

Changing Climates, Ecosystems and Environments within Arid Southern Africa and Adjoining Regions

Palaeoecology of Africa 33

Edited by **Juergen Runge**, Johann Wolfgang Goethe University, Frankfurt am Main, Germany

Series: Palaeoecology of Africa

Highlighting and celebrating Prof. Louis Scott's contribution to palaeoscience and to the natural sciences in general, including stratigraphic palynology, long-term continental environmental change during the Cainozoic, and interpretation of palaeoenvironmental records associated with archaeological sites. His research has contributed to understand the origin of our current environment by identifying long-term patterns of climate change. Results have been applied in numerical models of vegetation change in Africa and globally. The results of these studies are relevant across the fields of botany, geology, climatology, archaeology, anthropology and palaeontology.

CRC Press

Market: Palaeoecology

November 2015: 250pp

Hb: 978-1-138-02704-6: **\$139.95**

eBook: 978-1-315-73830-7

* For full contents and more information, visit: www.crcpress.com/9781138027046

Geoengineering our Climate?

Ethics, Politics and Governance



Edited by **Jason Blackstock**, International Institute for Applied Systems Analysis, Austria, **Clark Miller**, Arizona State University, USA and **Steve Rayner**, Institute for Science, Innovation & Society, University of Oxford, UK

Series: The Earthscan Science in Society Series

As negotiations aimed at improving our global response to climate change continue to falter, geoengineering is expected to receive increasingly serious consideration by states seeking ways to manage the most dangerous risks of climate change. This book provides an indispensable resource for scientists, activists, policymakers and political figures aiming to engage in the geoengineering debate.

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October 2015: 272pp

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Pb: 978-1-849-71374-0: **\$59.95**

eBook: 978-0-203-48526-2

* For full contents and more information, visit: www.routledge.com/9781849713740

Systemic Crises of Global Climate Change

Intersections of Race, Class and Gender

Edited by **Phoebe Godfrey**, University of Connecticut, USA and **Denise Torres**, City University of New York, USA.

Series: Routledge Advances in Climate Change Research

This interdisciplinary collection addresses global climate change and sustainability by engaging with the issues of race, gender, and class through an intersectional lens. The book challenges readers to foster new theoretical and practical linkages and to think beyond the traditional, and oftentimes reductionist, environmental science frame by examining issues within their turbulent political, cultural and personal landscapes. Through a variety of media and writing styles, this collection is unique in its presentation of a complex and integrated analysis of global climate change and its implications. This book addresses the social and ecological urgency surrounding climate change and the need to use intersectionality in both theory and practice, whereas its companions book (*Sustainable Possibilities for Climate Change*) addresses the need to integrate social science and social welfare theories to identify, enhance and support equitable and sustainable solutions.

Routledge

Market: Environment, Sustainability

September 2015: 304pp

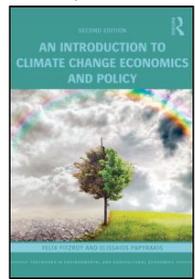
Hb: 978-1-138-83006-6: **\$145.00**

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Felix R. FitzRoy, University of St. Andrews, UK and **Elissaios Papyrakis**, IVM Institute for Environmental Studies, Netherlands

Series: Routledge Textbooks in Environmental and Agricultural Economics

Introduction to Climate Change Economics and Policy is a highly accessible introduction to the issues, impacts and implications of global warming. This second edition includes new material on nuclear energy post-Fukushima, the impact of the financial crisis on climate policy and the hype over shale gas to ensure that this book provides a completely up-to-date introduction for anyone interested in the economics and policy of climate

change.

Routledge

Market: economics / agriculture

October 2015: 256pp

Hb: 978-1-138-78221-1: **\$145.00**

Pb: 978-1-138-78222-8: **\$69.95**

Prev. Ed Pb: 978-1-844-07810-3

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Emergent Possibilities for Global Sustainability

Intersections of Race, Class and Gender

Edited by **Phoebe Godfrey**, University of Connecticut, USA and **Denise Torres**, City University of New York, USA.

Series: Routledge Advances in Climate Change Research

This interdisciplinary collection addresses global climate change and sustainability by engaging with the issues of race, gender, and class through an intersectional lens. The book challenges readers to foster new theoretical and practical linkages and to think beyond the traditional, and oftentimes reductionist, environmental science frame by examining issues within their turbulent political, cultural and personal landscapes. Through a variety of media and writing styles, this collection is unique in its presentation of a complex and integrated analysis of global climate change and its implications. This book addresses the need to integrate social science and social welfare theories to identify, enhance and support equitable and sustainable solutions, whereas its companion book (*Systemic Crisis and Climate Change*) addresses the social and ecological urgency surrounding climate change and the need to use intersectionality in both theory and practice.

Routledge

Market: Environment, Sustainability

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Hb: 978-1-138-83005-9: **\$145.00**

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Dangerous Limits for Climate Change

Public Understanding and Decision Making

Christopher Shaw, Environmental Change Institute, University of Oxford; University of Sussex, UK

Series: Routledge Advances in Climate Change Research

This book is about the history, present and future of one of the most important policy ideas of the modern era – that there is a single, global dangerous amount of climate change (the two degree limit). Alongside a critical analysis of how the idea has shaped our understanding of the problem of climate change is, the book explains how the public have been kept out of that decision making process, how this affects climate policy and why the dangerous limit idea is undermining our ability to mitigate climate change. This is the first book dedicated to questioning the issue of the two degree limit within a social science framework.

Routledge

Market: Environment, Sustainability

October 2015: 176pp

Hb: 978-1-138-78295-2: **\$145.00**

eBook: 978-1-315-76889-2

* For full contents and more information, visit: www.routledge.com/9781138782952

Systems Thinking for Geoengineering Policy

Robert Chris, The Open University, UK

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This is the first book to theorise geoengineering in terms of complex adaptive systems theory and to argue for the theoretical imperative of adaptive management as the default methodology for policymakers and civil society alike, whenever confronted with demands for near-term policy directed at long-term outcomes. It analyses the theory, practice and implications of this innovative approach, showing how it will allow policymakers to identify and reconcile the interests of current and future generations, as well as the global population, in a field where experiments and intervention will have international and unpredictable consequences.

Routledge

Market: Environment, Sustainability

October 2015: 224pp

Hb: 978-1-138-84117-8: **\$145.00**

eBook: 978-1-315-73240-4

* For full contents and more information, visit: www.routledge.com/9781138841178

Climate Change and the Anthropos

Planet, People and Places

Linda Connor, University of Sydney, Australia

Series: Routledge Advances in Climate Change Research

Many scholars now write about the ethics, policies and politics of climate change, focusing on global processes and effects. This book's innovative approach to cross-cultural comparison and a regionally based ethnographic study moves beyond the political assertions and expert understandings filtered by the mass media. Rather, it asks fundamental questions about the social impact and cultural meanings of global warming and its impact on diverse human worlds embedded in a changing biosphere.

Routledge

Market: Climate Change / Anthropology

October 2015: 224pp

Hb: 978-0-415-71853-0: **\$140.00**

eBook: 978-1-315-86972-8

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Global Implications of Development, Disasters and Climate Change

Responses to Displacement from Asia Pacific

Edited by **Susanna Price**, Australian National University, Australia and **Jane Singer**, University of Kyoto, Japan

Series: Routledge Studies in Development, Displacement and Resettlement

This volume offers a thought-provoking Asia-Pacific perspective on an intensifying global problem: the forced displacement of people from their land, homes, and livelihoods due to development, disasters and climate change. It draws together theoretical and multidisciplinary perspectives with topically and geographically diverse case studies from around the region – including China's Three Gorges Reservoir, Japan's Fukushima disaster, and the Pacific's Banaba resettlement.

Routledge

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Hb: 978-1-138-83817-8: **\$135.00**

eBook: 978-1-315-73458-3

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Community governance and citizen driven initiatives in climate change mitigation

Edited by **Jens Hoff**, University of Copenhagen, Denmark and **Quentin Gausset**, University of Copenhagen, Denmark

Series: Routledge Advances in Climate Change Research

This book focuses on the collaborative arrangements being developed where citizen initiatives, engagement and participation in climate change mitigation meets public agencies and their possible plans and strategies. One of key conclusions presented in the book is that the traditional approach to influence environmental behavior, characterized by top-down and individual approaches, does not suffice to significantly reduce the carbon footprint of out societies, and must be supplemented by approaches that focus more explicitly on the collaboration between local collective initiatives and local governments.

Routledge

Market: Environment, Sustainability

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Hb: 978-1-138-90109-4: **\$140.00**

eBook: 978-1-315-70029-8

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Climate Change Adaptation and Food Supply Chain Management

Edited by **Ari Paloviita**, University of Jyväskylä, Finland and **Marja Järvelä**, University of Jyväskylä, Finland

Series: Routledge Advances in Climate Change Research

This book explains why, how and with what measures climate change adaptation can be applied to food supply chain management. Attention is given to each phase of the supply chain: input production, agriculture, food processing, retailing, consumption and post-consumption. The book integrates various approaches related to sustainability, resilience and climate adaptation drawing from environmental management, environmental policy, agro-ecology, sociology and behavioral sciences. The authors argue for a redefinition of the way food supply chains are operated, located and coordinated and propose a novel approach enhancing climate-resilient food supply chain policy and management.

Routledge

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Hb: 978-1-138-79666-9: **\$145.00**

eBook: 978-1-315-75772-8

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Natural Decadal Climate Variability

Societal Impacts and Predictability

Vikram M. Mehta

Series: Drought and Water Crises

There is a multi-century history of research on natural decadal climate variability (DCV) and attempts to predict it, and there is a substantial amount of evidence of DCV impacts on society, largely associated with decadal droughts. This book aims to bring together in one resource all available information worldwide and help scientists carrying out new research using climate and impacts data. The last chapter of the book will have recommendations for future research and applications.

CRC Press

Market: Environmental Science

August 2015: 6-1/8 x 9-1/4: 224pp

Hb: 978-1-466-55452-8: **\$129.95**

eBook: 978-1-466-55453-5

* For full contents and more information, visit: www.crcpress.com/9781466554528

Climate Change Adaptation and Development

Transforming Paradigms and Practices



Edited by **Tor Håkon Inderberg**, Fridtjof Nansen Institute, Norway, **Siri Eriksen**, University of Life Sciences, Norway, **Karen O'Brien**, University of Oslo, Norway and **Linda Sygna**, cCHANGE, Norway

While it is widely recognized that climate change will have significant impacts on the developing world, the social dimensions of vulnerability are often ignored in development projects and practices aimed at promoting adaptation to climate change. This book presents case studies that shed light on the tendency to promote policies and practices that fit conveniently into traditional development paradigms, and explores how development may need to shift focus in relation to climate change adaptation.

Routledge

Market: Environment, Sustainability

November 2014: 296pp

Hb: 978-1-138-02596-7: **\$140.00**

Pb: 978-1-138-02598-1: **\$53.95**

eBook: 978-1-315-77465-7

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Climate Change and Adaptation Planning for Ports

Edited by **Koi Yu Adolf Ng**, **Austin Becker**, **Stephen Cahoon**, **Shu-Ling Chen**, **Paul Earl** and **Zaili Yang**

Series: Routledge Studies in Transport Analysis

As key links in transportation and supply chains, the effect of climate change on seaports has broad implications for the development prospects of the global economy. With contributions from an outstanding cast of scholars and specialists, this book investigates climate change, adaptation strategies and the planning of transportation and supply chains from a variety of angles and through a wide range of global case studies.

Routledge

Market: Economics

August 2015: 336pp

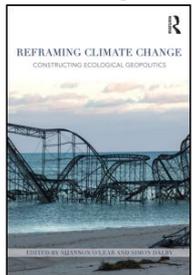
Hb: 978-1-138-79790-1: **\$155.00**

eBook: 978-1-315-75681-3

* For full contents and more information, visit: www.routledge.com/9781138797901

Reframing Climate Change

Constructing Ecological Geopolitics



Edited by **Shannon O'Lear**, Kansas University, US - Department of Geography and **Simon Dalby**

Our society has become "trapped" in our thinking about climate change by applying familiar approaches better suited to other problems. Climate change and its implications have no analogy, yet we continue to apply governance solutions, to securitize it, and to frame it within Cold War geopolitical understandings of risk. This book reassesses how we interpret and respond to climate change, establishing a foundation for constructing an ecological geopolitics. Contributors provide a multi-dimensional critique of climate change examining ways in which the current focus on climate change is positive, but some existing approaches are unhelpful as a guide to policy and

planning for consumers.

Routledge

Market: Climate Change/Environmental Politics

August 2015: 248pp

Hb: 978-1-138-79436-8: \$144.00

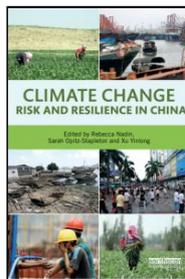
Pb: 978-1-138-79437-5: \$50.95

eBook: 978-1-315-75926-5

* For full contents and more information, visit: www.routledge.com/9781138794375



Climate Change Adaptation in China



Edited by **Rebecca Nadin**, INTASAVE Asia-Pacific, China, **Sarah Opitz-Stapleton**, INTASAVE Asia-Pacific, China and **Xu Yinlong**, Chinese Academy of Agricultural Sciences, China

This book provides a fascinating glimpse into the ways a country with such varying topography, a large population and inconsistent socio-economic development is developing approaches to tackle and respond to the challenges and opportunities presented by a changing climate. Using research and data from the Adapting to Climate Change in China (ACCC) project, the first and largest research-to-policy project of its kind ever attempted in China, Chinese and international scientists have come together to produce cutting-edge regional models, and Chinese policy makers assess future impacts of and

vulnerability to climate change.

Routledge

Market: Environment, Sustainability

August 2015: 336pp

Hb: 978-1-138-81882-8: \$155.00

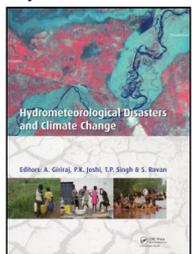
Pb: 978-1-138-81884-2: \$67.95

eBook: 978-1-315-74498-8

* For full contents and more information, visit: www.routledge.com/9781138818842



Hydrometeorological Disasters and Climate Change



Edited by **Amarnath Giriraj**, International Water Management Institute (IWMI), Colombo, Sri Lanka, **P.K. Joshi**, The Energy Research Institute (TERI), New Delhi, India, **T.P. Singh**, Symbiosis Institute of Geoinformatics (SIG), Symbiosis International University, Pune, India and **Shirish Ravan**, UN-SPIDER Head Office, UNOOSA, Beijing, P.R. China

This volume reflects and informs on space-based technologies for hazards and disaster research. It covers a wide range of aspects to take into account, and demonstrates the great potential of space-based technologies in supplying information in near real-time and in the application of data in detection and

early warning. A wealth of case studies on various natural disasters in countries around the world further illustrates the content. For researchers, practitioners, policy-makers and advanced students in disaster or disaster-related disciplines, such as Geoinformation, Earth Sciences, Water and Environmental Sciences, Space Sciences, Disaster Management and Prevention.

CRC Press

Market: Geoscience

July 2015: 400pp

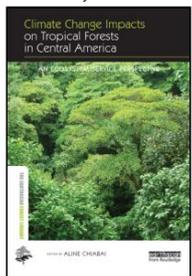
Hb: 978-0-415-62132-8: \$119.95

eBook: 978-0-203-49330-4

* For full contents and more information, visit: www.crcpress.com/9780415621328

Climate Change Impacts on Tropical Forests in Central America

An ecosystem service perspective



Edited by **Aline Chiabai**, Basque Centre for Climate Change, Spain

Series: The Earthscan Forest Library

Climate change is expected to be the primary cause for biodiversity loss and changes in ecosystem services on a global scale, with increased risk of extinction for many plant and animal species. The crucial issue under debate is the impact on the welfare of current and future population, and the role of humans in the exploitation of natural resources. Focusing on Central America, this book will address the impacts of climate change on tropical forest ecosystems and related services in this important region, and will assess the projected economic costs if no policy action is taken by the end of the century.

Routledge

Market: Environment, Sustainability

June 2015: 224pp

Hb: 978-0-415-72080-9: \$140.00

eBook: 978-1-315-86670-3

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Environmental Change and the World's Futures

Ecologies, ontologies and mythologies

Edited by **Jonathan Paul Marshall**, University of Technology Sydney, Australia and **Linda H. Connor**, University of Sydney, Australia

Series: Routledge Explorations in Environmental Studies

The futures discussed in this book arise from awareness of the potentially disruptive impact of climate change and ecological instability on human societies. The framework embraces an appreciation of difference and non-holism, as it is unlikely that there exists one solution to the many disruptive futures perceived throughout the world. Indeed any such solution may increase the disruptive effects found in local situations. Each chapter invites reflection on diverse ways of comprehending global warming and other manifestations of major environmental change, as well as on the forms and shapers of agency that influence people's understanding and response.

Routledge

Market: Environment, Sustainability / Anthropology

August 2015: 288pp

Hb: 978-1-138-02329-1: \$145.00

eBook: 978-1-315-77655-2

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The Social Challenges and Opportunities of Low Carbon Development

Johan Nordensvärd, London School of Economics and Political Science, UK

Series: Routledge Studies in Low Carbon Development

This book uniquely explores the social implications and challenges of low carbon and addresses how low carbon development can be realized while also achieving poverty reduction and social justice. It aims to explore, critically analyse and propose different strategies for how low carbon development could become socially viable in both developed and developing countries. The book presents the latest conceptual and empirical evidence on the social implications and issues of low carbon development. It serves both as a comprehensive introduction to the social and economic aspects of development and how these can be combined with low carbon efforts.

Unknown

Market: Climate Change / Development / Sociology

May 2015: 224pp

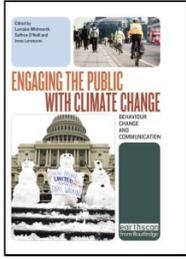
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Engaging the Public with Climate Change

Behaviour Change and Communication



Edited by **Saffron O'Neill**

Despite increasing public awareness of climate change, our behaviours relating to consumption and energy use remain largely unchanged. This book answers the urgent call for effective engagement methods to foster sustainable lifestyles, community action, and social change. Written by practitioners and academics, the chapters combine theoretical perspectives with case studies and practical guidance, examining what works and what doesn't, and providing transferable lessons for future engagement approaches. Showcasing innovative thought and approaches from around the world, this book is essential reading for anyone working to foster real and lasting behavioural and

social change.

Routledge

April 2015

Hb: 978-1-844-07928-5: **\$90.00**

Pb: 978-1-138-86690-4: **\$49.95**

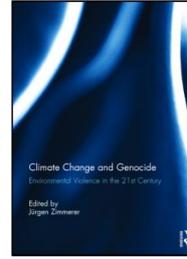
eBook: 978-1-849-77524-3

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Climate Change and Genocide

Environmental Violence in the 21st Century



Edited by **Jürgen Zimmerer**, University of Hamburg, Germany

Genocide is seen as the scourge of the 20th century. Climate Change is the most fundamental challenge for the 21st century. The book combines both perspectives for the first time and shows, how environmental violence may fuel genocide and contribute to making the 21st century the Century of Genocide. This book was originally published as a special issue of the *International Journal of Human Rights*.

Routledge

Market: Environment & Sustainability / Climate Change / Environmental Politics

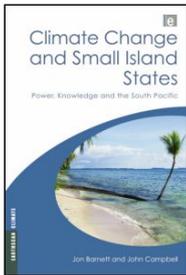
March 2015: 144pp

Hb: 978-1-138-88642-1: **\$145.00**

* For full contents and more information, visit: www.routledge.com/9781138886421

Climate Change and Small Island States

Power, Knowledge and the South Pacific



Edited by **Jon Barnett and John Campbell**

First Published in 2010. Routledge is an imprint of Taylor & Francis, an informa company.

Routledge

April 2015

Hb: 978-1-844-07494-5: **\$85.00**

Pb: 978-1-138-86696-6: **\$49.95**

eBook: 978-1-849-77489-5

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Climate Change Mitigation Actions in Five Developing Countries



Edited by **Harald Winkler**, University of Cape Town, South Africa

This book fills an important gap in the literature from developing country authors about mitigation actions in their own countries. Five case studies analyse mitigation actions in Brazil, Chile, Colombia, Peru and South Africa – and compare what is similar and what is different.

It was published as a special issue of *Climate and Development*

Routledge

Market: Environment & Developing World / Rural Development / Energy Efficiency

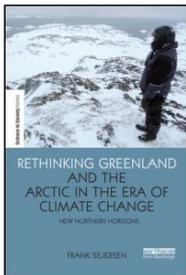
March 2015: 112pp

Hb: 978-1-138-84614-2: **\$145.00**

* For full contents and more information, visit: www.routledge.com/9781138846142

Rethinking Greenland and the Arctic in the Era of Climate Change

New Northern Horizons



Edited by **Frank Sejersen**, University of Copenhagen, Denmark

Series: *The Earthscan Science in Society Series*

This ground-breaking book investigates how Arctic indigenous communities deal with the challenges of climate change and how they strive to develop self-determination. Adopting an anthropological focus on Greenland's vision to boost extractive industries and transform society, the book examines how indigenous communities engage with climate change and development discourses. It applies a critical and comparative approach, integrating both local perspectives and adaptation research from Canada and Greenland to make the case for recasting the way the Arctic and Inuit are approached conceptually and politically.

Unknown

Market: Environment, Sustainability

April 2015: 238pp

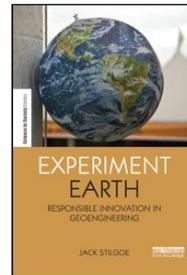
Hb: 978-1-138-84515-2: **\$140.00**

eBook: 978-1-315-72830-8

* For full contents and more information, visit: www.routledge.com/9781138845152

Experiment Earth

Responsible innovation in geoengineering



Edited by **Jack Stilgoe**, University College London, UK

Series: *The Earthscan Science in Society Series*

The possibility of exerting control over the global climate introduces profound social, political and ethical questions. The book explores these issues through the lens of the research project SPICE (Stratospheric Particle Injection for Climate Engineering) one of the first major geoengineering studies worldwide. This book introduces recent 'experiments' in governance, involving new conversations with civil society and others, to explain science-in-society and suggest new ways forward. It illustrates broader dynamics that are of substantial relevance to both wider geoengineering debates and wider science and technology governance debates.

Routledge

Market: Environment, Sustainability / Science and Technology Studies

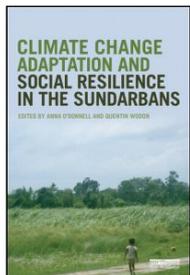
February 2015: 222pp

Hb: 978-0-415-73237-6: **\$145.00**

eBook: 978-1-315-84919-5

* For full contents and more information, visit: www.routledge.com/9780415732376

Climate Change Adaptation and Social Resilience in the Sundarbans



Edited by **Anna O'Donnell**, The World Bank, Washington, DC, USA and **Quentin Wodon**, The World Bank, Washington, DC, USA

Household vulnerability to weather shocks and changing climatic conditions has become a major concern in developing countries. This book explores climate change adaptation using a social resilience approach. It is based on primary data from the Sundarbans, a densely populated area located across parts of Bangladesh and India (West Bengal) which is highly vulnerable to extreme weather events and climate change. The focus is on assessing how households are affected by cyclones: whether they are able to cope with, adapt to and recover from events and changes; whether they benefit from institutional support; and finally whether they are driven to either temporary or permanent migration.

Routledge

Market: Environment & Sustainability / Development Studies
March 2015: 208pp

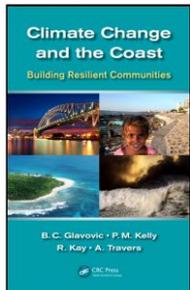
Hb: 978-1-138-78380-5: **\$99.95**

eBook: 978-1-315-76780-2

* For full contents and more information, visit: www.routledge.com/9781138783805

Climate Change and the Coast

Building Resilient Communities



Edited by **Bruce Glavovic**, Massey University, New Zealand, **Mick Kelly**, Tanelorn Associates, New Zealand, **Robert Kay**, Coastal Zone Management Ltd, Australia and **Ailbhe Travers**, Coastal Geomorphologist, Perth, Australia

Telling the stories of real-world communities in diverse coastal settings, this book draws upon the latest research findings from a wide range of disciplines. Case studies are drawn from all around the world and from countries with varying levels of development including America's Gulf of Mexico coast, Australia, Brazil, Britain, China, New Zealand, The Maldives, South Africa, Bangladesh, and Vietnam. It examines what has succeeded and what has failed around the world, where there are opportunities to be grasped and pitfalls to be avoided.

CRC Press

Market: Civil, Environmental and Coastal Engineering

January 2015: 6-1/8 x 9-1/4: 596pp

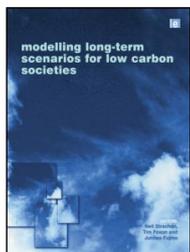
Hb: 978-0-415-46487-1: **\$99.95**

eBook: 978-1-482-28858-2

* For full contents and more information, visit: www.crcpress.com/9780415464871



Modelling Long-term Scenarios for Low Carbon Societies



Edited by **Neil Strachan**, **Tim Foxon** and **Junichi Fujino**

First Published in 2008. Routledge is an imprint of Taylor & Francis, an informa company.

Routledge

February 2015: 7 1/2 x 10 1/3: 180pp

Hb: 978-1-844-07594-2: **\$140.00**

Pb: 978-1-138-00207-4: **\$54.95**

eBook: 978-1-849-77199-3

* For full contents and more information, visit: www.routledge.com/9781138002074



Workers and Trade Unions for Climate Solidarity

Tackling climate change in a neoliberal world

Paul Hampton, Research and Policy Officer for the Fire Brigades Union, UK

Series: Routledge Studies in Climate, Work and Society

This book is a theoretically rich and empirically grounded account of UK trade union engagement with climate change over the last three decades. It applies a rigorous critique to the mainstream neoliberal and ecological modernisation approaches, extending the insights of Marxist social and employment relations theory to the climate realm. Secondly, the book extends insights from employment relations to the political economy of climate change, developing a model for understanding trade union behaviour over climate matters. Finally, the book has a strong interdisciplinary approach, in keeping with the subject matter: climate change requires insights from both physical and social science.

Routledge

Market: Environment, Sustainability

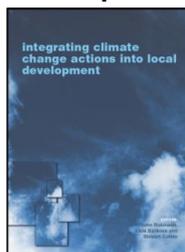
June 2015: 232pp

Hb: 978-1-138-84142-0: **\$140.00**

eBook: 978-1-315-73222-0

* For full contents and more information, visit: www.routledge.com/9781138841420

Integrating Climate Change Actions into Local Development



Edited by **Livia Bizikova**, Environment Canada, **John Robinson**, University of British Columbia, Canada and **Stewart Cohen**, Environment Canada

This special issue of the Climate Policy journal addresses this gap between scientific knowledge and practitioners' needs by focussing on linkages between climate change and sustainable development at the level of conceptual framework and methods. In particular, the papers address in an integrated way local development options involving both adaptation and mitigation in order to promote resilience to climate change in human and natural systems. The special issue provides policy and methodological guidelines for linking local development

pathways with responses to climate change, based on collaboration between local practitioners, the public and scientists.

Routledge

February 2015: 7 1/2 x 10 1/3: 112pp

Hb: 978-1-844-07552-2: **\$135.00**

Pb: 978-1-138-01221-9: **\$54.95**

eBook: 978-1-849-77175-7

* For full contents and more information, visit: www.routledge.com/9781138012219



Repairing Domestic Climate Displacement

The Peninsula Principles

Edited by **Chris Huggins**, Carleton University, Canada and **Scott Leckie**, Displacement Solutions; University of Melbourne, Australia

Series: Routledge Studies in Development, Displacement and Resettlement

The book provides detailed explanations and interpretations of the Peninsula Principles and includes in-depth discussion of the legal, policy, and programmatic efforts needed to uphold the standards and norms embedded in the Principles. The book aims to provide scholars and policy-makers with the conceptual understanding necessary to ensure that national-level policies are in place to respond to the climate displacement challenge, as well as a firm sense of the programme-level approaches that can be taken to anticipate, reduce, and manage climate displacement.

Routledge

Market: Environment, Sustainability

October 2015: 216pp

Hb: 978-1-138-92038-5: **\$145.00**

eBook: 978-1-315-68709-4

* For full contents and more information, visit: www.routledge.com/9781138920385

Community Action and Climate Change

Jennifer Kent, Green Living Centre (GLC), Marrickville Council, Sydney, Australia.

Series: *Routledge Advances in Climate Change Research*

This book seeks to address two significant gaps related to grassroots climate action: the continuing dominance of the *individualisation of responsibility* for climate change action, and the potential for community-based collectives to influence mainstream climate change governance. Drawing on empirical research into Australian Climate Action Groups (CAGs) and related international research, the book argues that grassroots community-based collective action on climate change holds the key to broader social change. It will be of great interest to students and scholars of climate change, citizen participation, environmental sociology and sustainable development.

Routledge

Market: Environment, Sustainability

November 2015: 200pp

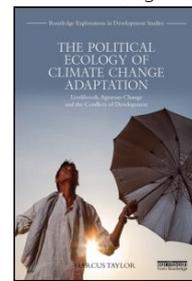
Hb: 978-1-138-92040-8: **\$145.00**

eBook: 978-1-315-68704-9

* For full contents and more information, visit: www.routledge.com/9781138920408

The Political Ecology of Climate Change Adaptation

Livelihoods, agrarian change and the conflicts of development



Marcus Taylor, Queen's University, Canada

Series: *Routledge Explorations in Development Studies*

This book is the first to provide a focused examination of climate change adaptation in rural regions of the global South. By employing an interdisciplinary approach rooted in the traditions of political economy and political ecology, it argues that current approaches to climate change adaptation need to engage more systematically with the variety of power relations that shape the social and ecological parameters of rural livelihoods. It examines the contested narratives and practices of climate change adaptation in a series of case studies relating to four different agrarian settings in Asia: namely, Pakistan, India, Mongolia and Nepal.

Routledge

Market: Development / Climate Change / Asia

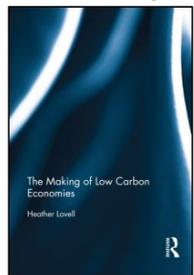
November 2014: 206pp

Hb: 978-0-415-70381-9: **\$140.00**

eBook: 978-0-203-76248-6

* For full contents and more information, visit: www.routledge.com/9780415703819

The Making of Low Carbon Economies



Heather Lovell, University of Edinburgh, UK

The volume takes a fresh look at society's response to climate change by examining a diverse array of empirical sites where climate change is being made real through its incorporation into everyday lives. It adds fresh insights to economic sociology and science and technology studies scholarship on the multiple origins and heterogeneous operation of markets, demonstrating the constraints and opportunities of an economic framing of the problem of climate change. It covers the obvious (and now well-researched) topic of carbon markets, as well as new more unusual material on the low carbon reframing of already existing markets and economies.

Routledge

Market: Climate change/economics/Science and Technology Studies

December 2014: 186pp

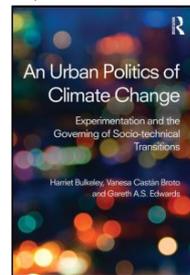
Hb: 978-0-415-72471-5: **\$140.00**

eBook: 978-1-315-85704-6

* For full contents and more information, visit: www.routledge.com/9780415724715

An Urban Politics of Climate Change

Experimentation and the Governing of Socio-Technical Transitions



Harriet A Bulkeley, University of Durham, UK, Vanesa Castán Broto, University College London, UK and Gareth A.S. Edwards, University of East Anglia, UK

Series: *Routledge Advances in Urban Studies*

An Urban Politics of Climate Change provides the first account of urban responses to climate change that moves beyond the boundary of municipal institutions to critically examine the governing of climate change in the city as a matter of both public and private authority, and to engage with the ways in which this is bound up with the politics and practices of urban infrastructure. The book draws on cases from multiple cities in both developed and emerging economies to providing new insight into the potential and limitations of urban responses to climate change, as well as new conceptual direction for our understanding of the politics of environmental governance.

Routledge

Market: Climate Change/Urban Studies/Environmental Studies

October 2014: 270pp

Hb: 978-1-138-79109-1: **\$144.00**

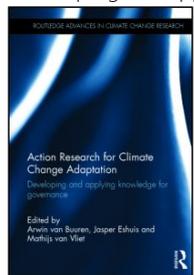
Pb: 978-1-138-79110-7: **\$52.95**

eBook: 978-1-315-76304-0

* For full contents and more information, visit: www.routledge.com/9781138791107

Action Research for Climate Change Adaptation

Developing and applying knowledge for governance



Edited by Arwin van Buuren, Erasmus University Rotterdam, The Netherlands, Jasper Eshuis, Erasmus University Rotterdam, The Netherlands and Mathijs van Vliet, Wageningen University, The Netherlands

Series: *Routledge Advances in Climate Change Research*

The development of scientific knowledge is crucial given the uncertainties and complexity of climate adaptation measures, but given the imperative to tackle climate change impacts, this knowledge has to be actionable as well. This book presents a diverse range of case studies in action-research methods used to support the governance of climate adaptation, examining the reasons for using action research in this particular policy

domain, its main pitfalls and problems, as well as the advantages and results.

Routledge

Market: Environment, Sustainability

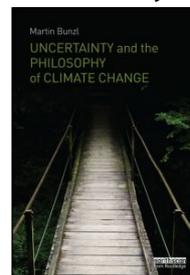
November 2014: 198pp

Hb: 978-1-138-01760-3: **\$140.00**

eBook: 978-1-315-78036-8

* For full contents and more information, visit: www.routledge.com/9781138017603

Uncertainty and the Philosophy of Climate Change



Martin Bunzl, Rutgers University, USA

This book offers an accessible philosophical treatment of the broad range of ethical and policy challenges posed by climate change uncertainty. Drawing on the philosophy of science, the book examines our obligations to future generations and how we ought to make decisions when there is catastrophic risk but its probability is unknown. In demonstrating the moral imperative to act on climate change, the book's ethical analysis is not an end in itself, but a means to clarifying policy.

Routledge

Market: Environment, Sustainability, Climate Change, Philosophy

October 2014: 182pp

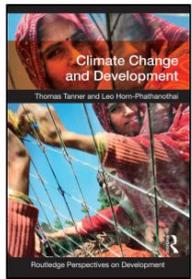
Hb: 978-1-138-79391-0: **\$140.00**

Pb: 978-1-138-79392-7: **\$49.95**

eBook: 978-1-315-76073-5

* For full contents and more information, visit: www.routledge.com/9781138793927

TEXTBOOK

Climate Change and Development

Thomas Tanner, Overseas Development Institute, UK and Leo Horn-Phathanothai, World Resources Institute, USA
Series: *Routledge Perspectives on Development*

Climate Change and Development brings together insights and perspectives from across natural and social science disciplines. Focusing in particular on concerns and perspectives of poor countries and poor people, its hallmark is its concern with structural considerations at the heart of the climate-development nexus. It argues that a transformational – rather than incremental – approach to tackling climate change challenges offers the best route to reducing poverty, stabilising the climate and securing the future well-being of all.

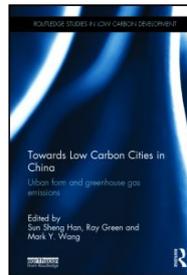
Routledge

Market: development studies/environmental studies/ climate change
December 2013: 368pp
Hb: 978-0-415-66426-4: **\$150.00**
Pb: 978-0-415-66427-1: **\$46.95**
eBook: 978-0-203-81886-2

* For full contents and more information, visit: www.routledge.com/9780415664271

**Towards Low Carbon Cities in China**

Urban Form and Greenhouse Gas Emissions



Edited by Sun Sheng Han, University of Melbourne, Australia, Ray Green, University of Melbourne, Australia and Mark Y. Wang, University of Melbourne, Australia

Series: *Routledge Studies in Low Carbon Development*

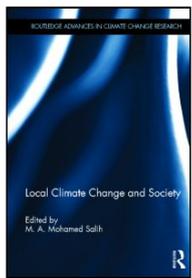
This book explores the relationship between urban form and Greenhouse Gas (GHG) emissions based on new empirical evidence from four Chinese cities. Drawing on the findings of a four-year research project, it discusses characteristics of GHG emissions in China, the relevant policies on emissions control, and the associated economic and environmental challenges that China faces. The book uses four diverse case studies to explore the association between urban form and GHG emissions, suggesting ways of reducing emissions, analysing residents' attitudes towards GHG emissions reduction and identifying priority areas for further research.

Unknown

Market: Urban Development / Sustainability / Asian Studies

October 2014: 216pp
Hb: 978-0-415-74331-0: **\$140.00**
eBook: 978-1-315-81372-1

* For full contents and more information, visit: www.routledge.com/9780415743310

**Local Climate Change and Society**

Edited by Mohamed A. Salih, University of Leiden, The Netherlands

Series: *Routledge Advances in Climate Change Research*

Although the impacts of climate change are certainly global, its manifestations and subsequent consequences begin locally. This book aims to shift climate change debate among academics and policy-makers from the global to the local. *Local Climate Change and Society* examines how climate change has altered society's relationship with the environment and the resulting structural changes in local communities to adapt to and mitigate climate change. The book analyses the principles, practices and local responses to micro-level climate policies and interrogates

the increasing role of local climate social movements induced by transnational corporations' activities both above and below the equator. The book contains international case studies and inter-disciplinary contributions from academics, researchers and policy makers at the cutting edge of climate change knowledge.

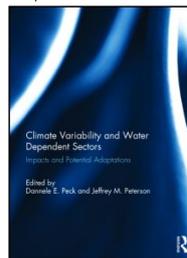
Routledge

Market: Environment, Sustainability
December 2014: 248pp
Hb: 978-0-415-52037-9: **\$140.00**
Pb: 978-0-415-62715-3: **\$49.95**
eBook: 978-0-203-10971-7

* For full contents and more information, visit: www.routledge.com/9780415627153

**Climate Variability and Water Dependent Sectors**

Impacts and Potential Adaptations



Edited by Dannele E. Peck and Jeffrey M. Peterson

This book of contributed chapters assesses the performance of existing water infrastructure, institutions, and policies under different climate variability scenarios. It then provides suggestions for improving the flexibility of water allocation and management, and strengthening decision-making under uncertainty.

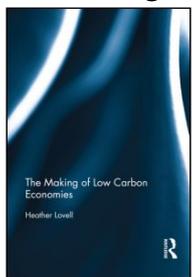
This book was originally published as a special issue of the *Journal of Natural Resources Policy Research*

Routledge

Market: Environment / Water Resources
October 2014: 132pp

Hb: 978-1-138-80733-4: **\$150.00**

* For full contents and more information, visit: www.routledge.com/9781138807334

The Making of Low Carbon Economies

Heather Lovell, University of Edinburgh, UK

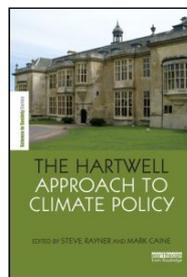
The volume takes a fresh look at society's response to climate change by examining a diverse array of empirical sites where climate change is being made real through its incorporation into everyday lives. It adds fresh insights to economic sociology and science and technology studies scholarship on the multiple origins and heterogeneous operation of markets, demonstrating the constraints and opportunities of an economic framing of the problem of climate change. It covers the obvious (and now well-researched) topic of carbon markets, as well as new more unusual material on the low carbon reframing of already existing markets and economies.

Routledge

Market: Climate change/economics/Science and Technology Studies
December 2014: 186pp
Hb: 978-0-415-72471-5: **\$140.00**
eBook: 978-1-315-85704-6

* For full contents and more information, visit: www.routledge.com/9780415724715

READER

The Hartwell Approach to Climate Policy

Edited by Steve Rayner, University of Oxford, UK and Mark Caine, London School of Economics, UK

Series: *The Earthscan Science in Society Series*

Drawing on a rich history of heterodox but increasingly accepted views on climate change policy, this book brings together in a single volume a series of key, related texts that define the 'Hartwell critique' of conventional climate change policies and the 'Hartwell approach' to building more inclusive, pragmatic alternatives. It tells of the story of how and why conventional climate policy has failed and, drawing from lessons learned, how it can be renovated. With contributions from leading scholars in the field this work presents a stinging critique of current

climate policy and a constructive primer for how to improve it.

Routledge

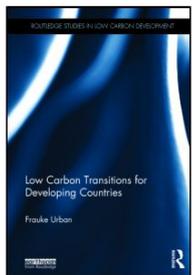
Market: Climate Change / Environmental Policy

August 2014: 322pp
Hb: 978-0-415-72058-8: **\$170.00**
Pb: 978-0-415-72074-8: **\$59.95**
eBook: 978-1-315-86674-1

* For full contents and more information, visit: www.routledge.com/9780415720748



Low Carbon Transitions for Developing Countries



Frauke Urban, School of Oriental and African Studies, London, UK

Series: Routledge Studies in Low Carbon Development

This is the first book focusing on low carbon energy transitions for rapidly developing countries such as China and India, assessing the opportunities and barriers for transitions to renewable and low carbon energy as climate change mitigation options. It discusses the characteristics of energy systems in developing countries and how they are likely to change in the future due to increased economic growth and industrialisation. It also analyzes the role that energy modelling can play for assessing low carbon energy transitions for developing countries.

Unknown

Market: Environment, Sustainability

June 2014: 186pp

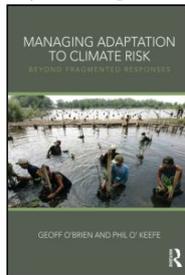
Hb: 978-0-415-65700-6: **\$140.00**

eBook: 978-0-203-07740-5

* For full contents and more information, visit: www.routledge.com/9780415657006

Managing Adaptation to Climate Risk

Beyond Fragmented Responses



Geoff O'Brien, Northumbria University, UK and **Phil O'Keefe**, Northumbria University, UK

This book calls for greater collaboration between climate communities and disaster development communities. In discussing this, the book will evaluate the approaches used by each community to reduce the adverse effects of climate change. One area that offers some promise for bringing together these communities is through the concept of resilience. This term is increasingly used in each community to describe a process that embeds capacity to respond to and cope with disruptive events. This emphasizes an approach that is more focused on pre-event planning and using strategies to build resilience to hazards in an adaptation framework. The book will conclude by evaluating

the scope for a holistic approach where these communities can effectively contribute to building communities that are resilient to climate driven risks.

Routledge

Market: Hazards & Disasters/Environmental Studies/Geography

July 2013: 218pp

Hb: 978-0-415-60093-4: **\$145.00**

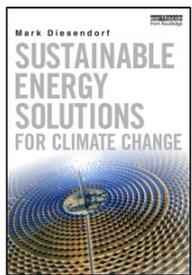
Pb: 978-0-415-60094-1: **\$44.95**

eBook: 978-0-203-83691-0

* For full contents and more information, visit: www.routledge.com/9780415600941

TEXTBOOK

Sustainable Energy Solutions for Climate Change



Mark Diesendorf, University of New South Wales, Australia

This book is a call to action on climate change, filled with clear and detailed information on the strategies we need to adopt to ensure a sustainable future for the planet. We have the technology needed to transform our fossil-fuel based energy systems into ecologically sustainable ones, and this book argues that all we now need is the political will to do so. It uniquely brings together both the science and policy issues to provide a truly interdisciplinary approach.

Routledge

Market: Energy / Climate Change / Environmental Policy

May 2014: 380pp

Hb: 978-0-415-70609-4: **\$155.00**

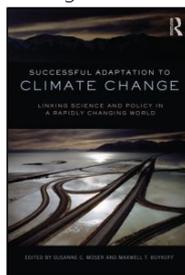
Pb: 978-0-415-70614-8: **\$51.95**

* For full contents and more information, visit: www.routledge.com/9780415706148

TEXTBOOK

Successful Adaptation to Climate Change

Linking Science and Policy in a Rapidly Changing World



Edited by **Susanne C. Moser**, National Center for Atmospheric Research, USA and **Maxwell T. Boykoff**, University of Colorado, Boulder, USA

The question of successful adaptation is normative and context-specific. It is possible, however, to illuminate the different dimensions of this question and to make rational arguments for important elements of successful adaptation by drawing on the extant literature, expert judgment and practical experience. This book appraises how climatic and non-climatic stressors play a role, how scientific and policy understanding as well as empirical grounding has informed climate adaptation decision-making, and how perceptions of trade-offs and priorities with other concerns shape adaptation planning and implementation on

the ground.

Routledge

Market: Climate Change/Environmental Studies

June 2013: 336pp

Hb: 978-0-415-52499-5: **\$145.00**

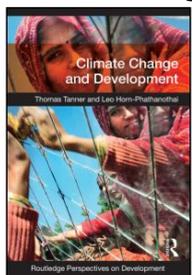
Pb: 978-0-415-52500-8: **\$51.95**

eBook: 978-0-203-59388-2

* For full contents and more information, visit: www.routledge.com/9780415525008

TEXTBOOK

Climate Change and Development



Thomas Tanner, Overseas Development Institute, UK and **Leo Horn-Phathanothai**, World Resources Institute, USA

Series: Routledge Perspectives on Development

Climate Change and Development brings together insights and perspectives from across natural and social science disciplines. Focusing in particular on concerns and perspectives of poor countries and poor people, its hallmark is its concern with structural considerations at the heart of the climate-development nexus. It argues that a transformational – rather than incremental – approach to tackling climate change challenges offers the best route to reducing poverty, stabilising the climate and securing the future well-being of all.

Routledge

Market: development studies/environmental studies/ climate change

December 2013: 368pp

Hb: 978-0-415-66426-4: **\$150.00**

Pb: 978-0-415-66427-1: **\$46.95**

eBook: 978-0-203-81886-2

* For full contents and more information, visit: www.routledge.com/9780415664271

TEXTBOOK

Food, Animals and the Environment

An Ethical Approach

Christopher Schlottmann, New York University, USA and Jeff Sebo, New York University, USA

Agriculture poses special challenges for moral theory by virtue of being characterized by many kinds of value. Using a primarily ethical perspective, this book introduces the major concepts and values at the intersection of food and the environment, emphasizing the unique place of animals. It is designed to give students both the critical thinking tools and basic concepts and information necessary to analyse the many challenges and values concerning food and the environment. This unique and accessibly written textbook will be useful reading for undergraduate students of Applied Ethics, Food Studies, Animal Studies and Environmental Studies.

Unknown

Market: Environment and Sustainability / Food

January 2016: 200pp

Hb: 978-1-138-80111-0: **\$155.00**Pb: 978-1-138-80112-7: **\$43.95**

eBook: 978-1-315-75511-3

* For full contents and more information, visit: www.routledge.com/9781138801127

2nd Edition · TEXTBOOK · NEW EDITION

Food Wars

The Global Battle for Mouths, Minds and Markets

Tim Lang, City University London, UK and Michael Heasman, Harper Adams University, Newport, Shropshire, UK

In the ten years since publication of the first edition of *Food Wars* much has happened in the world of food policy. The key theme of the importance of integrating human and environmental health has become even more pressing. This new edition brings these developments fully up to date within the original analytical framework of competing paradigms or worldviews shaping the direction and decision-making within food politics and policy. The second edition includes updated examples, case studies and the new issues that show how these conflicting tendencies have played out in practice over recent years and what this tells us about the way the global food system is heading.

Routledge

Market: Environment & Sustainability / Sociology

September 2015: 320pp

Hb: 978-1-138-80258-2: **\$165.00**Pb: 978-1-138-80262-9: **\$49.95**

eBook: 978-1-315-75411-6

* For full contents and more information, visit: www.routledge.com/9781138802629**Routledge Handbook of Food and Nutrition Security**

Edited by Bill Pritchard, University of Sydney, Australia, Rodomiro Ortiz, Swedish University of Agricultural Sciences, Sweden and Meera Shekar, World Bank, USA

The concept of food and nutrition security has evolved and risen to the top of the international policy agenda over the last decade. Yet it is a complex and multi-faceted issue, requiring a broad and inter-disciplinary perspective for full understanding. This Handbook represents the most comprehensive compilation of our current knowledge of food and nutrition security from a global perspective. It is organized to reflect the wide scope of the contents, its four sections corresponding to the accepted current definitional frameworks prevailing in the work of multilateral agencies and mainstream scholarship, including food availability, access and utilization.

Unknown

Market: Food & Agriculture / Environment & Sustainability

December 2015: 576pp

Hb: 978-1-138-81719-7: **\$220.00**

eBook: 978-1-315-74574-9

* For full contents and more information, visit: www.routledge.com/9781138817197**Food Security, Gender and Resilience**

Improving Smallholder and Subsistence Farming

Edited by Leigh Brownhill, McGill University, Canada, Esther Njuguna, Kenya Agricultural Research Institute, Nairobi, Kenya, Kimberly L. Bothi, McGill University, Canada, Lutta Muhammad, Kenya Agricultural Research Institute, Nairobi, Kenya and Gordon M. Hickey, McGill University, Canada

Series: Earthscan Food and Agriculture

Through the integration of gender analysis into resilience thinking, this book shares field-based research insights from a collaborative, multidisciplinary project aimed at improving food security in subsistence and smallholder agricultural systems. The gendered resilience framework, illustrated here with detailed case studies from semi-arid Kenya, is shown to be suitable for use in analysis in other geographic regions and across disciplines. The book examines the importance of gender equity to the strengthening of socio-ecological resilience. Case studies focus on a range of issues, from microfinance and generational succession, to informal seed systems.

Unknown

Market: Agriculture & Food / Gender Studies / Environment

December 2015: 224pp

Hb: 978-1-138-81694-7: **\$145.00**

eBook: 978-1-315-74585-5

* For full contents and more information, visit: www.routledge.com/9781138816947**Pollination Services to Agriculture**

Sustaining and Enhancing a Key Ecosystem Service

Edited by Barbara Gemmill-Herren, Food and Agriculture Organization of the United Nations, Rome, Italy

Series: Issues in Agricultural Biodiversity

It is only recently that the immense economic value of pollination to agriculture has been appreciated. At the same time, the alarming collapse in populations of bees and other pollinators has highlighted the urgency of addressing this issue. This book uniquely focuses on the specific measures and practices that the emerging science of pollination ecology is identifying to conserve and promote animal pollinators in agroecosystems. It draws on the Global Pollination Project, supported by UNEP/GEF and implemented by FAO and seven partner countries.

Unknown

Market: Agriculture / Environment & Sustainability

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Hb: 978-1-138-90434-7: **\$160.00**Pb: 978-1-138-90440-8: **\$63.95**

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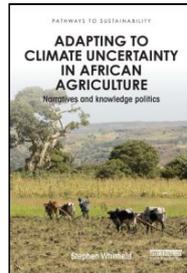
* For full contents and more information, visit: www.routledge.com/9781138904408**Adapting to Climate Uncertainty in African Agriculture**

Narratives and knowledge politics

Stephen Whitfield, University of Leeds, UK

Series: Pathways to Sustainability

This book examines the challenges of adaptation in smallholder farming in Africa, analysing the social, economic, political and climatic uncertainties that impact on agriculture in the region and the range of solutions proposed. Drawing on case studies of genetically modified crops, cash-crop alternatives to maize, and conservation agriculture in eastern and southern Africa, the book identifies how uncertainties are framed 'from above' as well experienced 'from below', by farmers themselves. It draws out conclusions that will be highly relevant for research and humanitarian investments, as well as national and international agricultural policies.



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Civic Engagement in Food System Governance

A comparative perspective of American and British local food movements

Alan R. Hunt, Local Food Strategies LLC, Hampton, USA

Series: *Routledge Studies in Food, Society and the Environment*

The local food movement is one of the most active of current civil engagement social movements. This work presents primary evidence from over 900 documents, interviews, and participant observations, and provides the first descriptive history of local food movement national policy achievements in the US, from 1976 to 2013, and in the UK, from 1991 to 2013, together with reviews of both the American and British local food movements. It provides a US-UK comparative context, significantly updating earlier comparison of American, British and European farm and rural policies.

Routledge

Market: Environment / Sociology

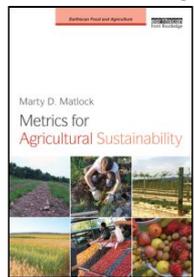
October 2015: 288pp

Hb: 978-1-138-88843-2: \$145.00

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Metrics for Agricultural Sustainability



Marty D. Matlock, University of Arkansas, USA

Series: *Earthscan Food and Agriculture*

Several initiatives of US producers have defined agricultural sustainability based upon impacts on the supply network, from extraction to disposal – also called outcomes metrics. However, these metrics have not been well described or inventoried, resulting in confusion and misuse of information. This book clarifies this confusion by providing an inventory of the metrics for sustainable agriculture from cradle to the farm gate, organized by media and scale. The book describes the process of integrating metrics into indices for decision-making, with examples from the US, Europe, and Asia.

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Market: Agriculture & Food/Environment & Sustainability

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Biochar in European Soils and Agriculture

Science and Practice

Edited by Simon Shackley, UK Biochar Research Centre, Edinburgh, UK, Greet Ruyschaert, Institute for Agricultural and Fisheries Research (ILVO), Merelbeke, Belgium, Kor Zwart and Bruno Glaser, Martin Luther University Halle-Wittenberg, Halle, Germany

Aimed mainly at a professional audience, this book provides a user-friendly handbook on biochar. It de-mystifies the scientific, engineering and managerial issues surrounding biochar and makes the whole topic more understandable and approachable to potential users, from farmers to policy makers. The chapters review state-of-the-art knowledge in a non-technical way of biochar production, soil science, agriculture, environmental impacts, economics, the law and regulation and climate change policy. The authors also present research findings from the first coordinated European biochar field trial, representing the largest biochar field trial globally.

Routledge

Market: Environment & Sustainability / Agriculture & Food

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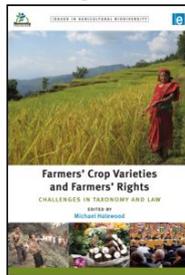
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Farmers' Crop Varieties and Farmers' Rights

Challenges in Taxonomy and Law



Edited by Michael Halewood, Bioversity International, Rome, Italy

Series: *Issues in Agricultural Biodiversity*

Crop plant varieties developed by local farmers, commonly referred to as 'farmers' varieties', are problematic because there are no fixed taxonomic or legal definitions of them. Policies to increase the share of benefits farmers receive therefore struggle to have an effect. This book considers various solutions based on definitions that reflect the biological and cultural realities in which farmers' varieties are produced. It takes into account the history of the debate and includes case studies.

Unknown

Market: Environment & Sustainability/Agriculture & Food/ Property Law

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Biological Economies

Enactive and post-human approaches to agriculture and food

Edited by Richard Le Heron, University of Auckland, New Zealand, Hugh Campbell, University of Otago, New Zealand, Nick Lewis, University of Auckland, New Zealand, Michael Carolan, Colorado State University, USA and Terry Marsden, Cardiff University, UK

Series: *Routledge Studies in Food, Society and the Environment*

Recent agri-food studies have been confronted by three challenges. These can be summarized as: 'post-human' approaches to economic life; a 'post-structural political economy' of food and agriculture; and calls for more 'enactive', performative research approaches. This volume describes the genealogy of such approaches, as part of a broader need to review theory and methods in the study of food, agriculture, rural development and economic geography. This radical collective approach is elaborated as the Biological Economies approach.

Routledge

Market: Environment & Sustainability / Sociology

December 2015: 288pp

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Governing Sustainable Seafood

Peter Oosterveer, Wageningen University, The Netherlands and Simon Bush, Wageningen University, the Netherlands

Series: *Earthscan Food and Agriculture*

Taking a social science approach, this book explores the governance of sustainable seafood. The authors take into account the rise of social movements through environmental NGOs, the nature and perceived limits of government regulation within and beyond the state, and the promise of market-based approaches such as ecolabelling. It focuses on how concern over sustainable seafood has been translated into different current forms of governance and assesses what alternative approaches are starting to emerge, as well as their effects. The book finishes with a vision for the future through key principles for evaluating the collective impact of governing sustainable seafood.

Routledge

Market: Environment & Sustainability / Food & Nutrition

December 2015: 288pp

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Biofuels, Food Security and Developing Economies

Nazia Mintz-Habib, University of Cambridge, UK and Harvard University, USA

One response to the mounting challenges to global energy security has been the development of crops to be used for biofuels. But this can divert agricultural land from food production to energy crops, thus affecting food security, particularly in less developed countries. This book analyses the extent to which biofuels feedstocks fit within the national food security strategy, agro-export orientation and rural development plans and policies of developing economies. Two case studies, from Tanzania in East Africa and Borneo in Malaysia, are considered in detail. The author develops a novel integrated approach, the Institutional Feasibility Study, as the basis of analysis.

Routledge

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TEXTBOOK

Agricultural and Agribusiness Law

An introduction for non-lawyers

Theodore A. Feitshans, North Carolina State University, USA

This textbook is aimed at undergraduate students taking courses in agricultural and agribusiness law. It is intended for use by students in the US in both four-year and two-year programs. The level is introductory and intended to provide an overview of the concepts necessary for an understanding of agricultural and agribusiness law. Both federal law and representative examples of state law are included. Unlike a text for law students, the goal is to help students of land-based industries appreciate and identify legal issues which may require referral or consultation with legal counsel.

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Market: Law / Agriculture

September 2015: 288pp

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eBook: 978-1-315-73381-4

* For full contents and more information, visit: www.routledge.com/9781138838796

Cities and Agriculture

Developing Resilient Urban Food Systems

Edited by Henk de Zeeuw, RUAF Foundation, Netherlands and Pay Drechsel, International Water Management Institute, Sri Lanka

Series: *Earthscan Food and Agriculture*

As people increasingly migrate to urban settings and more than half of the world's population now lives in cities, it is vital to plan and provide for sustainable and resilient food systems which reflect this challenge. This volume presents experience and evidence based "state of the art" chapters on the key dimensions of urban food systems and types of urban agriculture. It provides urban planners and students with an overview of crucial aspects of urban food systems based on an up to date review of research results and practical experiences in both developed and developing countries.

Routledge

Market: Agriculture / Urban Studies

September 2015: 416pp

Hb: 978-1-138-86058-2: \$145.00

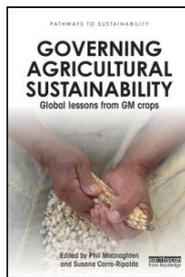
Pb: 978-1-138-86059-9: \$49.95

eBook: 978-1-315-71631-2

* For full contents and more information, visit: www.routledge.com/9781138860599

Governing Agricultural Sustainability

Global lessons from GM crops



Edited by Phil Macnaghten, Durham University, UK and Susana Carro-Ripalda, Durham University, UK

Series: *Pathways to Sustainability*

Informed by rich, ethnographic research with farmers, scientists and publics in three global rising power settings – Brazil, India and Mexico – this book provides a fresh understanding on how GM crops are being experienced in different locales, on why the controversy has taken varied forms internationally and by what pathways to move towards more sustainable agricultural technologies. It offers a new pathway to governing GM crops informed by recent debates on responsible innovation, agricultural sustainability and social justice.

Routledge

Market: Environment, Sustainability

July 2015: 264pp

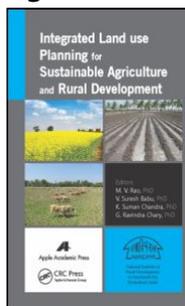
Hb: 978-1-138-89177-7: \$140.00

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eBook: 978-1-315-70946-8

* For full contents and more information, visit: www.routledge.com/9781138891821

Integrated Land Use Planning for Sustainable Agriculture and Rural Development



Edited by M. V. Rao, National Institute of Rural Development, Hyderabad, India, V. Suresh Babu, National Institute of Rural Development, Hyderabad, India, Suman Chandra, National Institute of Rural Development, Hyderabad, India and G. Ravindra Chary, Central Research Institute for Dryland Agriculture, CRIDA, Hyderabad, India

Land represents an important resource for the economic life of a majority of people in the world. The way people handle and use land resources impacts their social and economic well-being as well as the sustained quality of land resources. Land use planning is also integral to water resources development and management for agriculture, industry, drinking water, and power generation. This valuable work brings to the forefront the state of practice of land use planning in India, highlighting

governmental programs and research with wide-ranging chapters on important topics.

Apple Academic Press

Market: Environmental Development

May 2015: 6-1/8 x 9-1/4: 375pp

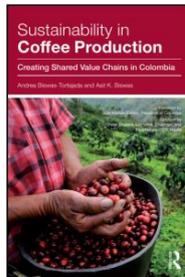
Hb: 978-1-771-88104-3: \$139.95

eBook: 978-1-498-72001-4

* For full contents and more information, visit: www.crcpress.com/9781771881043

Sustainability in Coffee Production

Creating Shared Value Chains in Colombia



Andrea Biswas-Tortajada, Third World Centre for Water Management, Mexico and Asit K. Biswas, National University of Singapore

Coffee, as a commodity and through its global value chains, is the focus of much interest to achieve fair trade and equitable outcomes for producers, processors and consumers. It has iconic cultural and economic significance for Colombia, which is one of the world's major coffee producers for the global market. This book examines sustainable coffee production in Colombia, specifically the initiatives of Nestle to create shared value. It describes the transformation of the coffee landscape by the development of economically, socially and environmentally viable and dedicated supply chains.

Routledge

Market: Agriculture / Environment / Business

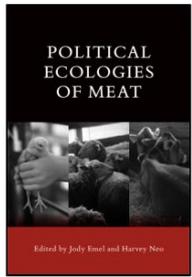
May 2015: 256pp

Hb: 978-1-138-90207-7: \$145.00

eBook: 978-1-315-69750-5

* For full contents and more information, visit: www.routledge.com/9781138902077

Political Ecologies of Meat



Edited by **Jody Emel**, Clark University, Worcester, MA, USA and **Harvey Neo**, National University of Singapore, Singapore
 Series: *Routledge Studies in Political Ecology*

This book tackles the key issues of contemporary meat production and consumption through a lens of political ecology, which emphasizes the power relations producing particular social, economic and cultural interactions with non-human nature. Three main topics are addressed: the political ecology of global livestock production trends; changes in production systems around the world and their implications for environmental justice; and existing and emerging governance strategies for meat production and consumption systems and

their implications. Case studies of different systems at varying scales are included, drawn from Asia, Africa, the Americas and Europe.

Routledge

Market: Environment & Sustainability / Geography

May 2015: 384pp

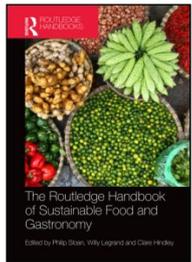
Hb: 978-0-415-73694-7: \$155.00

Pb: 978-0-415-73695-4: \$57.95

eBook: 978-1-315-81828-3

* For full contents and more information, visit: www.routledge.com/9780415736954

The Routledge Handbook of Sustainable Food and Gastronomy



Edited by **Philip Sloan**, University of Applied Sciences, Bonn, Germany, **Willy Legrand**, University of Applied Sciences, Bonn, Germany and **Clare Hindley**, International University of Applied Sciences, Bad Honnef-Bonn

This timely *Handbook* provides a systematic guide to the current state of knowledge on sustainable food. Developed from specifically commissioned original contributions its inherent multidisciplinary approach paves the way for deeper understanding of all aspects linked to the evolution of food in society, including insights into local food, food and tourism, organic food, indigenous and traditional food, sustainable restaurant practices, consumption patterns and sourcing.

Routledge

Market: Hospitality, Tourism and Gastronomy

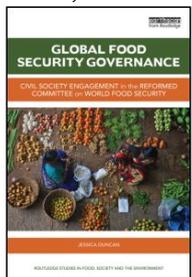
May 2015: 400pp

Hb: 978-0-415-70255-3: \$205.00

* For full contents and more information, visit: www.routledge.com/9780415702553

Global Food Security Governance

Civil society engagement in the reformed Committee on World Food Security



Jessica Duncan, Wageningen University, Netherlands

Series: *Routledge Studies in Food, Society and the Environment*

Through an examination of the reformed Committee on World Food Security (CFS), this book provides new, empirically-informed insights into increased participation in global governance processes. Drawing on data collected from policy documents, interviews and three years of participant observation, it examines the reorganisation and functioning of a UN Committee that is coming to be known as a best practice in global governance. Framed by key challenges that plague global governance, the impact and implication of increased civil society engagement are examined by tracing policy negotiations within the CFS.

Routledge

Market: Food / Environment / Sociology

March 2015: 262pp

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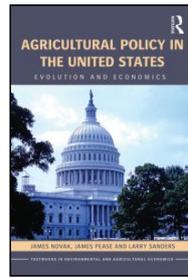
eBook: 978-1-315-75413-0

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TEXTBOOK

Agricultural Policy in the United States

Evolution and Economics



James L. Novak, James W. Pease and Larry D. Sanders

Series: *Routledge Textbooks in Environmental and Agricultural Economics*

Agricultural Policy in the US: Evolution and Economics explores the history and development of economic policy leading up to today's farm bill proposals. The book opens with an introduction to the basics of agricultural policies and economics before exploring the origins, impact and implications of key agricultural legislation and policy decisions, and considering the future role of national policy.

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Hb: 978-1-138-80922-2: \$185.00

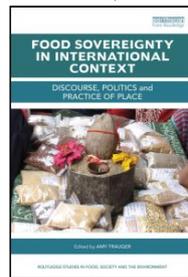
Pb: 978-1-138-80923-9: \$69.95

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Food Sovereignty in International Context

Discourse, politics and practice of place



Edited by **Amy Trauger**, University of Georgia, USA

Series: *Routledge Studies in Food, Society and the Environment*

Food sovereignty is an emerging discourse of empowerment and autonomy in the food system. This book is a collection of empirically rich and theoretically engaged papers across a broad geographical spectrum reflecting on what constitutes the politics and practices of food sovereignty. They contribute to a theoretical gap in the food sovereignty literature as well as a relative shortage of empirical work on food sovereignty in the global "North", much previous work having focussed on Latin America. Specific case studies are included from Canada, Norway, Switzerland, southern Europe, UK and USA, as well as Africa, India and Ecuador.

Routledge

Market: Environment & Sustainability / Food & Agriculture / Sociology

January 2015: 248pp

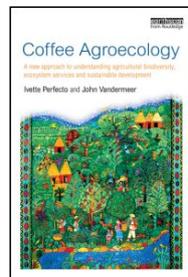
Hb: 978-1-138-79008-7: \$145.00

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Coffee Agroecology

A New Approach to Understanding Agricultural Biodiversity, Ecosystem Services and Sustainable Development



Ivette Perfecto, University of Michigan, USA and **John Vandermeer**, University of Michigan, USA

Based on principles of the conservation and optimization of biodiversity and of equity and sustainability, this book focuses on the ecology of the coffee agroecosystem as a model for a sustainable agricultural ecosystem. It draws on the authors' own research conducted over the last twenty years as well as incorporating the vast literature that has been generated on coffee agroecosystems from around the world. The book uses an integrated approach that weaves together various lines of research. The authors provide a novel synthesis that will generate new understanding and can be applied to other examples of sustainable agriculture and food production.

Routledge

Market: Environment & Sustainability / Food & Agriculture / Ecology

January 2015: 336pp

Hb: 978-0-415-82680-8: \$155.00

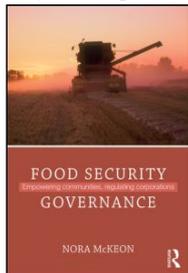
Pb: 978-0-415-82681-5: \$57.95

eBook: 978-0-203-52671-2

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Food Security Governance

Empowering Communities, Regulating Corporations



Nora McKeon, Food and Agriculture Organization, United Nations

Series: Routledge Critical Security Studies

This book sets concerns for food security in the context of global food governance in the twenty-first century, highlighting the systemic inadequacies of the present system.

Routledge

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Hb: 978-0-415-52909-9: \$160.00

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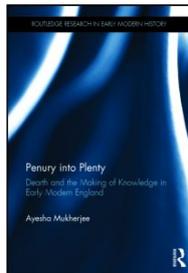
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Penury into Plenty

Dearth and the Making of Knowledge in Early Modern England



Ayesha Mukherjee, University of Exeter, UK

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Penury into Plenty demonstrates that the investigation of past ecological consciousness and environmental change is vital for understanding contemporary concerns. By drawing upon environmental, economic, scientific and literary history and theory, this book examines the socio-economic and ecological crises in England in the 1590s. Ayesha Mukherjee particularly examines the activities and theories of prolific "dearth scientist", Sir Hugh Platt, whose holistic approach explains not only what dearth or famine meant in the period, but how contemporaries understood sustainable resource management and allows modern readers to see that sustainability is not a wholly modern concept.

Routledge

Market: History/Early Modern/Economics

December 2014: 270pp

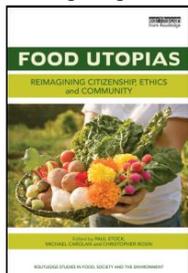
Hb: 978-1-138-81116-4: \$140.00

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Food Utopias

Reimagining citizenship, ethics and community



Edited by **Paul V. Stock**, University of Kansas, USA, **Michael Carolan**, Colorado State University, USA and **Christopher Rosin**, University of Otago, New Zealand

Series: Routledge Studies in Food, Society and the Environment

Food is a contentious and emotive issue. Alternative food movements – including the different articulations of local, food miles, seasonality, food justice and food sovereignty – consistently invoke themes around sufficiency, cooperation, mutual aid and responsibility. In this book the authors link these issues to utopias and intentional communities, drawing on these comparisons and commonalities to construct a framework which examines utopias in interrelated and complementary ways. The chapters address theoretical aspects and present case studies from a range of contexts and regions, including Argentina, Italy, New Zealand, Switzerland and USA.

Routledge

Market: Environment & Sustainability / Sociology

January 2015: 238pp

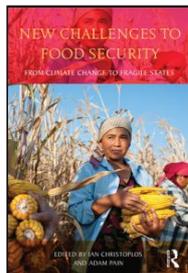
Hb: 978-1-138-78849-7: \$145.00

eBook: 978-1-315-76553-2

* For full contents and more information, visit: www.routledge.com/9781138788497

New Challenges to Food Security

From Climate Change to Fragile States



Edited by **Ian Christophos**, Danish Institute for International Studies, Denmark and **Adam Pain**, Danish Institute for International Studies, Denmark

This book is the first volume to review the full range of challenges—new and evolving—to food security. Books on food security tend to cover particular countries or types of crises but none to date have provided a general overview of both theory and practice in relation to today's evolving and emerging risks. The primary objective of this book is therefore to bring together these different perspectives on food security to provide a basis for a common understanding of the interplay of this range of risks and challenges. Bringing together a range of contributors, the book focuses particularly on the social, political and

institutional aspects of food security.

Routledge

Market: Development Studies/ Environmental Studies/ Security Studies

November 2014: 364pp

Hb: 978-0-415-82255-8: \$140.00

Pb: 978-0-415-82256-5: \$64.95

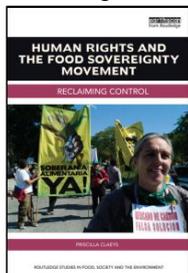
eBook: 978-0-203-37117-6

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Human Rights and the Food Sovereignty Movement

Reclaiming control



Priscilla Claeys, University of Louvain, Belgium

Series: Routledge Studies in Food, Society and the Environment

Our global food system is undergoing rapid change, with a range of new issues such as land grabbing, food prices volatility, agrofuels and climate change coming to the fore. Peasant social movements are trying to respond to these challenges by organizing from the local to the global to demand food sovereignty. As the transnational agrarian movement La Via Campesina celebrates its 20th anniversary, this book provides an in-depth analysis of the movement's vision and strategies, and shows how it has contributed not only to the emergence of an alternative development paradigm but also of an alternative conception of human rights.

Routledge

Market: Environment & Sustainability / Law

January 2015: 210pp

Hb: 978-1-138-79301-9: \$145.00

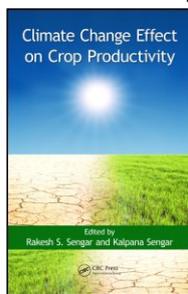
Pb: 978-1-138-79302-6: \$49.95

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Climate Change Effect on Crop Productivity



Edited by **Rakesh S. Sengar**, Sardar Vallabh bhai Patel University of Agriculture and Technology, Meerut, India and **Kalpana Sengar**, Sardar Vallabh bhai Patel University of Agriculture and Technology, Meerut, India

This book provides analyses of the global consequences to crop yields, production, and risk of hunger of linked socioeconomic and climate scenarios. Potential impacts of climate change are estimated to evaluate consequent changes in global cereal production, cereal prices, and the number of people at risk from hunger. The crop yield results elucidate the complex regional patterns of projected climate variables, CO2 effects, and agricultural systems that contribute to aggregations of global crop production.

CRC Press

Market: Environmental Science

November 2014: 6-1/8 x 9-1/4: 538pp

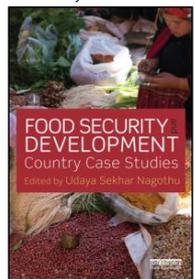
Hb: 978-1-482-22920-2: \$169.95

eBook: 978-1-482-22921-9

* For full contents and more information, visit: www.crcpress.com/9781482229202

Food Security and Development

Country Case Studies



Edited by **Udaya Sekhar Nagothu**, Bioforsk, Norwegian Institute of Agricultural and Environmental Research, As, Norway

The global food system is characterized by large numbers of people experiencing food insecurity and hunger on the one hand, and vast amounts of food waste and overconsumption on the other. This book brings together experiences from different countries addressing the challenges associated with food security. Seen through various disciplinary lenses the different cases included are countries at various stages of food security, with diverse stories of success as well as failures in their efforts. These include China, Brazil and India, as well as less developed countries in Africa and Asia, such as Malawi, Ethiopia,

Tanzania, Myanmar, Bangladesh and the Philippines

Unknown

Market: Environment / Development Studies / Food

November 2014: 274pp

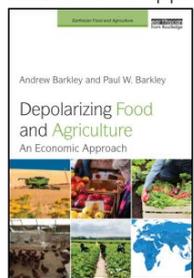
Hb: 978-1-138-81701-2: **\$145.00**

eBook: 978-1-315-74582-4

* For full contents and more information, visit: www.routledge.com/9781138817012

Depolarizing Food and Agriculture

An Economic Approach



Andrew **Barkley**, Kansas State University, USA and **Paul W. Barkley**, Washington State University and Oregon State University, USA

Series: Earthscan Food and Agriculture

Many issues in food and agriculture are portrayed as increasingly polarized. These include industrial vs. sustainable agriculture, conventional vs. organic production methods, and global vs. local food sourcing, to name only three. This book address the origins, validity, consequences, and potential resolution of these and other divergences. The authors propose solutions to promote resolution and depolarization between advocates with seemingly irreconcilable differences. A multifaceted, diverse, but

targeted approach to food production and consumption is suggested to promote social well-being, and reduce or eliminate misinformation, anxiety, transaction costs and hunger.

Routledge

Market: Economics / Agriculture & Food

October 2014: 196pp

Hb: 978-0-415-71422-8: **\$145.00**

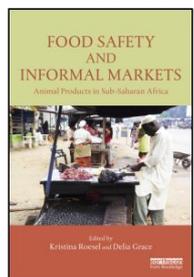
Pb: 978-0-415-71423-5: **\$49.95**

eBook: 978-1-315-88282-6

* For full contents and more information, visit: www.routledge.com/9780415714235

Food Safety and Informal Markets

Animal Products in Sub-Saharan Africa



Edited by **Kristina Roesel**, International Livestock Research Institute, Nairobi, Kenya and **Delia Grace**, International Livestock Research Institute, Nairobi, Kenya

Animal products are vital components of the diets and livelihoods of people across sub-Saharan Africa. They are frequently traded in local, unregulated markets and this can pose significant health risks. This volume presents an accessible overview of these issues in the context of food safety, zoonoses and public health, while at the same time maintaining fair and equitable livelihoods for poorer people across the continent. The book includes a review of the key issues and 25 case studies of the meat, milk, egg and fish food sectors drawn from a wide range of countries in East, West and Southern Africa,

as part of the "Safe Food, Fair Food" project.

Routledge

Market: Agriculture & Food / Environment & Sustainability

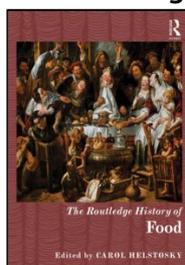
October 2014: 284pp

Hb: 978-1-138-81873-6: **\$145.00**

eBook: 978-1-315-74504-6

* For full contents and more information, visit: www.routledge.com/9781138818736

The Routledge History of Food



Edited by **Carol Helstosky**, University of Denver, USA

Series: Routledge Histories

The history of food is one of the fastest growing areas of historical investigation, incorporating methods and theories from cultural, social, and women's history while forging a unique perspective on the past. This booktakes a global approach to this topic, focusing on the period from 1500 to the present.

Examining the history of economic, technological, and cultural interactions between cultures and charting the corresponding developments in food history, *The Routledge History of Food* challenges assumptions about what and how people have eaten, bringing fresh perspectives to well-known historical

developments. It is the perfect guide for all students of social and cultural history.

Routledge

Market: Social History

October 2014: 372pp

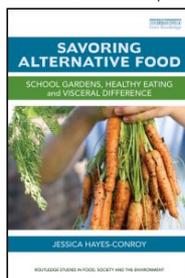
Hb: 978-0-415-62847-1: **\$205.00**

eBook: 978-1-315-75345-4

* For full contents and more information, visit: www.routledge.com/9780415628471

Savoring Alternative Food

School Gardens, Healthy Eating and Visceral Difference



Jessica Hayes-Conroy, Hobart and William Smith Colleges, Geneva, NY, USA

Series: Routledge Studies in Food, Society and the Environment

By examining specific endeavours of the alternative food activism movement through various lenses of social difference such as class, race, gender, and age, this book explores the contradictions and shortcomings of alternative food. Case studies are presented based on fieldwork in two distinct loci of alternative food organizing: school gardens and slow food movements in Berkeley, California and rural Nova Scotia. The book demonstrates the importance of moving beyond a promotion of universal "shoulds" of eating, and towards a practice of food activism that is more sensitive to issues of social

and material difference.

Unknown

Market: Sociology / Food & Agriculture

September 2014: 208pp

Hb: 978-0-415-84423-9: **\$140.00**

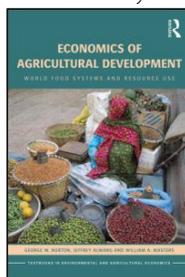
eBook: 978-0-203-75422-1

* For full contents and more information, visit: www.routledge.com/9780415844239

3rd Edition · TEXTBOOK · NEW EDITION

Economics of Agricultural Development

World Food Systems and Resource Use



George W. Norton, Virginia Polytechnic Institute and State University, USA, **Jeffrey Alwang**, Virginia Polytechnic Institute and State University, USA and **William A. Masters**, Purdue University, USA

Series: Routledge Textbooks in Environmental and Agricultural Economics

Economics of Agricultural Development examines the causes, severity, and effects of poverty, population growth, and malnutrition in developing countries. It discusses potential solutions to these problems, progress made in many countries in recent years, and the implications of globalization for agriculture, poverty, and the environment. This book is essential

reading for undergraduate students seeking to understand the economics of agricultural development and the world food system, including environmental and human consequences, international trade, and capital flows.

Unknown

Market: Development Studies, Economics

September 2014: 468pp

Hb: 978-0-415-65822-5: **\$170.00**

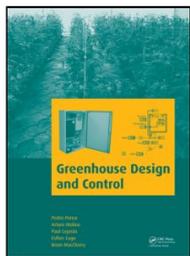
Pb: 978-0-415-65823-2: **\$75.95**

eBook: 978-0-203-07621-7

Prev. Ed Pb: 978-0-415-49424-3

* For full contents and more information, visit: www.routledge.com/9780415658232

Greenhouse Design and Control



Pedro Ponce, Instituto Tecnológico de Monterrey, Ejidos de Huipulco, Mexico, **Arturo Molina**, Instituto Tecnológico de Monterrey, Ejidos de Huipulco, Mexico, **Paul Cepeda**, Instituto Tecnológico de Monterrey, Ejidos de Huipulco, Mexico, **Esther Lugo**, Instituto Tecnológico de Monterrey, Ejidos de Huipulco, Mexico and **Brian MacCleery**, National Instruments, Austin, TX, USA

This book deals with different types of greenhouses, materials, structures, advanced control techniques and tendencies that are needed for designing and controlling an advanced greenhouse. The control system is presented as an integral system which covers the explanation of basic and advanced concepts for a real time controller. Also, structural analysis is introduced, whereby mechanical design is regarded as a key factor. The book incorporates simulations and experimental results, and utilizes LabVIEW and ADAMS software. Finally, it provides a perspective on the present state and future of greenhouses globally.

CRC Press

Market: Agricultural Engineering

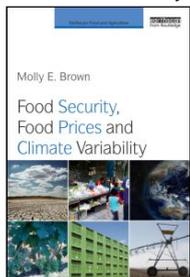
September 2014: 354pp

Hb: 978-1-138-02629-2: **\$119.95**

eBook: 978-1-315-77155-7

* For full contents and more information, visit: www.crcpress.com/9781138026292

Food Security, Food Prices and Climate Variability



Molly E. Brown, NASA Goddard Space Flight Center, Maryland, USA

Series: Earthscan Food and Agriculture

Using a decade of primary research, this book examines how weather and climate, as measured by variations in the growing season using satellite remote sensing, has affected agricultural production, food prices and access to food in food-insecure regions of the world. The context of the analysis is the humanitarian aid community, using the guidance of the USAID Famine Early Warning Systems Network and the United Nation's World Food Program in their response to food security crises. These datasets are used to describe the connection, and to demonstrate the importance of these metrics in overall

outcomes in food-insecure communities.

Routledge

Market: Environment & Sustainability / Food & Agriculture

May 2014: 228pp

Hb: 978-0-415-66311-3: **\$149.00**

Pb: 978-0-415-66312-0: **\$49.95**

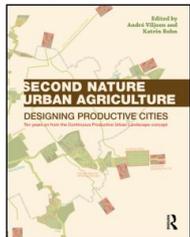
eBook: 978-0-203-07168-7

* For full contents and more information, visit: www.routledge.com/9780415663120



Second Nature Urban Agriculture

Designing Productive Cities



André Viljoen, University of Brighton, UK, and **Katrin Bohn**, TU Berlin, Germany.

This book is the long awaited sequel to "Continuous Productive Urban Landscapes: Designing Urban Agriculture for Sustainable Cities". It updates and extends the authors' concept for introducing productive urban landscapes, including urban agriculture, into cities as essential elements of sustainable urban infrastructure. Driven by the imperatives of climate change mitigation, changing economics, demographics, lifestyle expectations and resource supply, the spatial ideas embodied within the CPUL concept have entered the international urban

design discourse.

Routledge

Market: URBAN DESIGN / PLANNING / ARCHITECTURE / SUSTAINABILITY

August 2014: 300pp

Hb: 978-0-415-54057-5: **\$180.00**

Pb: 978-0-415-54058-2: **\$55.95**

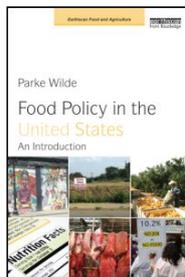
eBook: 978-1-315-77114-4

* For full contents and more information, visit: www.routledge.com/9780415540582

TEXTBOOK

Food Policy in the United States

An Introduction



Parke Wilde, Tufts University, Boston, USA

Series: Earthscan Food and Agriculture

In this introductory textbook the author argues that if current policies were more widely understood beyond the small community of food policy experts, political support for reforms could increase. The goal of the book is therefore not only to provide a broad and balanced textbook, but also to make US food policy more comprehensible to those outside the agri-food sector whose interests and aspirations have been ignored. It assumes that the reader's concern is not just the economic interests of farmers, but also includes nutrition, sustainable agriculture, the environment and food security.

Unknown

Market: Environment & Sustainability/Geography/Politics/Food & Agriculture/Nutrition & Public Health

April 2013: 256pp

Hb: 978-1-849-71428-0: **\$150.00**

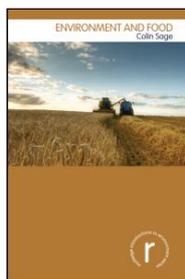
Pb: 978-1-849-71429-7: **\$43.95**

eBook: 978-0-203-12179-5

* For full contents and more information, visit: www.routledge.com/9781849714297

TEXTBOOK

Environment and Food



Colin Sage, University College Cork, Ireland

Series: Routledge Introductions to Environment: Environment and Society Texts

This timely book provides a thorough introduction to the inter-relationship of food and the environment. Although human societies control a large proportion of earth's resources for the purpose of food production, we remain subject to the effective functioning of global ecosystem services. The importance of these services are highlighted to explain why we should be concerned about the depletion of freshwater resources, soil fertility decline and loss of biological diversity. This book also discusses challenges, such as climate change and the prospect of significantly higher energy prices, which are likely to have

significant implications for the long-term functioning of global supply chains and raise profound questions regarding the nutritional security of the world's population.

Routledge

Market: Environmental Studies/Geography

July 2011: 320pp

Hb: 978-0-415-36311-2: **\$145.00**

Pb: 978-0-415-36312-9: **\$49.95**

eBook: 978-0-203-01346-5

* For full contents and more information, visit: www.routledge.com/9780415363129



Conservation and Culture

Beyond Anthropocentrism

Eleanor Shoreman-Ouimet, University of Connecticut, USA and Helen Kopnina, University of Amsterdam, the Netherlands

Series: Routledge Explorations in Environmental Studies

This book presents an analysis of conservation - that is, how it is perceived, practiced, as well as how it is changing, and being studied within communities and across cultures and disciplines. It examines the ways in which anthropologists study environmental damage and repair, criticizing the ways in which they remain biased and overlook the damage done by "traditional" cultures, and offer examples and ideas on how to reconcile the rift between the study of people and the promotion of environmental well being.

Routledge

Market: Environment / Anthropology / Conservation

December 2015: 224pp

Hb: 978-0-415-72198-1: \$140.00

eBook: 978-1-315-85863-0

* For full contents and more information, visit: www.routledge.com/9780415721981

Tropical Fruit Tree Diversity

Good Practices for In Situ and On-farm Management

Edited by Bhuwon Sthapit, Bioversity International, New Delhi, India, Hugo Lamers, Ramanatha Rao and Arwen Bailey, Bioversity International, Rome, Italy

Series: Issues in Agricultural Biodiversity

Farmers have developed a range of agricultural practices to sustainably use and maintain a wide diversity of crop species in many parts of the world. This book documents good practices innovated by farmers and collects key reviews on good practices from global experts, not only from the case study countries but also from Brazil, China and other parts of Asia and Latin America.

Routledge

Market: Environment / Agriculture / Ecology

October 2015: 384pp

Hb: 978-1-138-78127-6: \$145.00

eBook: 978-1-315-75845-9

* For full contents and more information, visit: www.routledge.com/9781138781276

TEXTBOOK

Conservation and Development

Shonil Bhagwat, The Open University, UK and Andrew Newsham, University of Oxford, UK

Series: Routledge Perspectives on Development

How can we reconcile environmental conservation and economic development? This book asks what is entailed in approaching environmental conservation and economic development simultaneously, and how that changes our understanding of conservation and development. It does this by exploring the outcomes of attempts in the last four decades to reconcile conservation with development both conceptually and in practice, and how that has changed our understandings of the two. Numerous case studies and illustrations ensure the book provides a useful source for undergraduate and postgraduate study, as well as serving as a reference guide for scholars and practitioners.

Routledge

Market: Conservation/Development Studies

September 2015: 276pp

Hb: 978-0-415-68780-5: \$140.00

Pb: 978-0-415-68781-2: \$46.95

eBook: 978-1-315-69477-1

* For full contents and more information, visit: www.routledge.com/9780415687812



Routledge Handbook of Ecosystem Services

Edited by Marion Potschin, University of Nottingham, UK, Roy Haines-Young, University of Nottingham, UK, Robert Fish, University of Exeter, UK and R. Kerry Turner, University of East Anglia, UK

Ecosystem services is one of the most powerful concepts to have emerged and developed over the last two decades to drive our understanding of the role that biodiverse ecosystems play in the environment and their benefits for humankind. This handbook provides a comprehensive reference text. Written by leading authorities, it integrates natural science and social science (including economic) perspectives, to demonstrate the relevance to people, policy and practice. They also show how the value of ecosystems to society can be expressed in monetary and non-monetary terms, so that the environment can be better taken into account in decision making.

Routledge

Market: Ecology / Environment & Sustainability

October 2015: 640pp

Hb: 978-1-138-02508-0: \$220.00

eBook: 978-1-315-77530-2

* For full contents and more information, visit: www.routledge.com/9781138025080

Biodiversity Research, Bioprospecting and Commercialization

Science, Markets and Access and Benefit-sharing

Sarah Laird, People and Plants International, Vermont, USA and Rachel Wynberg, University of Cape Town, South Africa

Series: People and Plants International Conservation

The access and benefit-sharing (ABS) policy process of the Convention on Biological Diversity (CBD), and wider discussions about the ethical and conservation issues arising from the commercial use of biodiversity and traditional knowledge, depend upon a well-developed understanding of the activities known broadly as 'bioprospecting'. This book provides information and insights into current practices and trends in biodiversity research including for potential medicines, food and cosmetics. It is an invaluable resource for all concerned with commercial bioprospecting particularly in light of the adoption of the Nagoya Protocol.

Routledge

Market: Environment & Sustainability / Biodiversity & Conservation

October 2015: 256pp

Hb: 978-1-138-77908-2: \$160.00

Pb: 978-1-138-77909-9: \$59.95

eBook: 978-1-315-77152-6

* For full contents and more information, visit: www.routledge.com/9781138779099

Genetic Resources as Natural Information

Implications for the Convention on Biological Diversity and Nagoya Protocol

Manuel Ruiz Muller, Peruvian Society for Environmental Law, Lima, Peru

Series: Routledge Studies in Law and Sustainable Development

Through legal, historic, sociological and economic analysis this book argues that genetic resources are *informational goods and not tangible resources*. It shows that the existing preference for bilateralism and contracts reflects resistance from many of the stakeholders involved in the Convention on Biological Diversity process. At a time when the Nagoya Protocol on Access and Benefit Sharing has renewed interest, this constructive and provocative critique offers an institutional, policy and regulatory framework based on "bounded openness" under which genetic resources could be regulated and equity and fairness realized.

Routledge

Market: Environment & Sustainability / Law

September 2015: 256pp

Hb: 978-1-138-80194-3: \$140.00

eBook: 978-1-315-75445-1

* For full contents and more information, visit: www.routledge.com/9781138801943

2nd Edition · NEW EDITION

Restoration of Boreal and Temperate Forests, Second Edition

Edited by **John A. Stanturf**, USDA Forest Service, Athens, Georgia, USA and **Palle Madsen**, University of Copenhagen, Denmark

Series: Integrative Studies in Water Management & Land Use

This substantially updated new edition reflects the growing recognition that large areas of forests are degraded globally. This edition describes forest restoration in the context of rapid social, economic, environmental, and climate change. Covering the last decade's significant advances in forest restoration concepts and practice, this edition has 16 new chapters and 19 thoroughly revised chapters. This book is an excellent source of information for researchers, managers, policymakers, and graduate students in forestry and ecology.

CRC Press

August 2015: 7 x 10: 616pp

Hb: 978-1-482-21196-2: \$189.95

eBook: 978-1-482-21197-9

Prev. Ed Hb: 978-1-566-70635-3

* For full contents and more information, visit: www.crcpress.com/9781482211962

Routledge Handbook of Forest Ecology

Edited by **Kelvin Peh**, University of Southampton, UK, **Richard Corlett**, Xishuangbanna Tropical Botanical Garden, Chinese Academy of Sciences, Yunnan, China and **Yves Bergeron**, Université du Québec en Abitibi-Témiscamingue, Rouyn-Noranda, Canada

This comprehensive Handbook provides a unique resource covering all aspects of forest ecology from a global perspective. It covers both natural and managed forests from all regions and climates of the world. The book is divided into seven parts, each with an editorial introduction, addressing the following themes: forest types; forest dynamics; flora and fauna; energy and nutrients; conservation and management; climate change; and human impacts on forest ecology. With contributions from leading authorities, the book provides an essential reference text for a wide range of students of ecology, environmental science, forestry, geography and natural resource management.

Routledge

Market: Ecology / Forestry / Environment & Sustainability

September 2015: 640pp

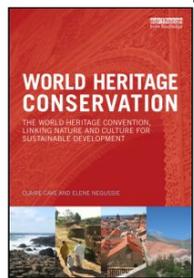
Hb: 978-0-415-73545-2: \$220.00

eBook: 978-1-315-81829-0

* For full contents and more information, visit: www.routledge.com/9780415735452

World Heritage Conservation

The World Heritage Convention, Linking Culture and Nature for Sustainable Development



Claire Cave, University College Dublin, Ireland and **Elene Negussie**, University College Dublin, Ireland

The UNESCO World Heritage Convention has become one of the most successful UN instruments for promoting cultural diplomacy and dialogue on conservation of cultural and natural heritage. This book provides an overview of the Convention through an interdisciplinary approach to conservation. It shows that the Convention provides a platform for sustainable development through the conservation and management of heritage of significance to humanity. Targeted at a diversity of disciplines, the book critically describes the strategies for implementing the Convention and the processes of heritage governance for environmental sustainability.

Routledge

Market: Environment & Sustainability / Conservation / Tourism

October 2015: 288pp

Hb: 978-0-415-72854-6: \$155.00

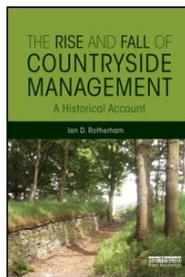
Pb: 978-0-415-72855-3: \$53.95

eBook: 978-1-315-85163-1

* For full contents and more information, visit: www.routledge.com/9780415728553

The Rise and Fall of Countryside Management

A Historical Account



Ian D. Rotherham, Sheffield Hallam University, UK

This volume rigorously examines the issues surrounding countryside management in Britain. The author brings together a full and extensive historical literature review, the results of stakeholder workshops and interviews, and in-depth individual case studies, as well as a major study for the Countryside Agency which assessed and evaluated every countryside service provision in England. The book provides a critical overview of the history and importance of countryside management, detailing the achievements of a largely forgotten sector and highlighting its pivotal yet often underappreciated role in the wellbeing of people and communities.

Routledge

Market: Environment & Sustainability / Biodiversity & Conservation

July 2015: 384pp

Hb: 978-0-415-84425-3: \$145.00

eBook: 978-0-203-75421-4

* For full contents and more information, visit: www.routledge.com/9780415844253

Environmental Life Cycle Assessment

Olivier Jolliet, University of Michigan, Ann Arbor, USA, **Myriam Saade**, Pully, Switzerland, **Shanna Shaked** and **Alexandre Jolliet**, Ann Arbor, Michigan, USA

From raw materials through materials processing, manufacture, distribution, use, repair and maintenance, and disposal or recycling, this book demonstrates how to conduct environmental assessments for products throughout their entire life cycles. The authors describe the databases and methods used around the world, such as inventory databases for Korea, and detail various impact assessment methodologies including TRACI for North America, LIME for Japan, and ReCiPe for Europe. The text also includes case studies illustrating how LCA and ISO standards are applied in practice. Topics covered include life cycle inventory, goal and system definition, and interpretation.

CRC Press

Market: Environmental Engineering

September 2015: 6-1/8 x 9-1/4: 380pp

Hb: 978-1-439-88766-0: \$119.95

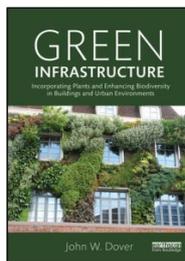
eBook: 978-1-439-88770-7

* For full contents and more information, visit: www.crcpress.com/9781439887660

TEXTBOOK

Green Infrastructure

Incorporating Plants and Enhancing Biodiversity in Buildings and Urban Environments



John W. Dover, Staffordshire University, Stoke-On-Trent, UK

With more than half of the world's population now living in urban areas, it is vitally important that towns and cities are healthy places to live. The principal aim of this book is to synthesize the disparate literature on the use of vegetation in the built environment and its multifunctional benefits to humans. Examples are used throughout to illustrate the practical use of vegetation to improve the urban environment and deliver ecosystem services. Whilst the underlying theme is the value of biodiversity, the emphasis is less on existing high value green spaces (such as nature reserves, parks and gardens), than on the sealed surfaces of urban areas (building surfaces, roads, car parks,

plazas, etc.).

Unknown

Market: Environment & Sustainability / Built Environment

July 2015: 352pp

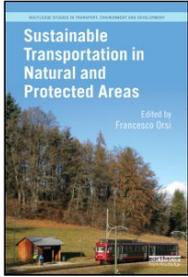
Hb: 978-0-415-52123-9: \$195.00

Pb: 978-0-415-52124-6: \$74.95

eBook: 978-0-203-12199-3

* For full contents and more information, visit: www.routledge.com/9780415521246

Sustainable Transportation in Natural and Protected Areas



Edited by **Francesco Orsi**, University of Trento, Italy
 As visitor numbers increase in protected areas, the centre of nature-based tourism, so does awareness of the harmful effects that large crowds may have on both natural resources and individuals' recreational experience. This volume considers the challenge of transportation to and within natural and protected areas, the improvement of which has already been recognised as having great potential for mitigating the environmental impacts of ecotourism. It provides current knowledge on associated issues and a comprehensive overview of the technical and strategic options available to tackle these issues.

Unknown
Market: Environment & Sustainability / Tourism
 July 2015: 304pp
 Hb: 978-1-138-78857-2: **\$145.00**
 eBook: 978-1-315-76539-6

* For full contents and more information, visit: www.routledge.com/9781138788572

Governing Biodiversity through Democratic Deliberation

Edited by **Mikko Rask**, National Consumer Research Centre, Finland and **Richard Worthington**, Professor of Politics, Pomona College, USA

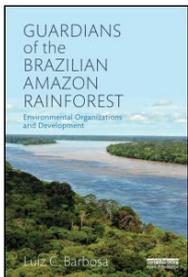
Series: Routledge Studies in Biodiversity Politics and Management

This collection focuses on the intersection of global biodiversity policy and the promise of deliberative democracy. In doing so, it examines how new discursive logics emerge in global citizen deliberation that might destabilize the impasses encountered in biodiversity negotiations. This highly original contribution to the field provides theoretical discussions, empirical analyses and local experiences of biodiversity policy, making it an invaluable resource for students and scholars of environmental politics, governance and sociology, particularly those interested in deliberative democracy, citizen participation and biodiversity.

Unknown
Market: Environment, Sustainability
 May 2015: 322pp
 Hb: 978-0-415-73218-5: **\$155.00**
 eBook: 978-1-315-84931-7

* For full contents and more information, visit: www.routledge.com/9780415732185

Guardians of the Brazilian Amazon Rainforest: Environmental Organizations and Development



Luiz C. Barbosa, San Francisco State University, USA
 The Amazon region is the focus of intense conflict between conservationists concerned with deforestation and advocates of agro-industrial development. This book focuses on the contributions of environmental organizations to the preservation of Brazilian Amazonia. It is shown how globalization has led to the expansion of international commodity chains in the region. Environmental organizations have politicized these commodity chains as weapons of conservation, while other pro-development groups claim that such organizations threaten Brazil's sovereignty over its own resources.

Routledge
Market: Environment & Sustainability
 May 2015: 242pp
 Hb: 978-1-138-82582-6: **\$145.00**
 eBook: 978-1-315-73967-0

* For full contents and more information, visit: www.routledge.com/9781138825826

Community Seed Banks

Origins, Evolution and Prospects



Edited by **Ronnie Verwooy**, Bioversity International, Rome, Italy, **Pitambar Shrestha**, Local Initiatives for Biodiversity, Research and Development, Pokhara, Nepal and **Bhuwon Sthapit**, Bioversity International, New Delhi, India

Series: Issues in Agricultural Biodiversity

Despite twenty-five years of history and the rapid growth in number, organizational diversity and geographical coverage of community seed banks, recognition of their roles and contributions has remained scanty. This book is the first to provide a global review of their development and includes a wide range of case studies. It reviews their history, evolution, experiences, successes and failures (and reasons why), challenges

and prospects. It fills a significant gap in the literature on agricultural biodiversity and conservation, and their contribution to food sovereignty and security.

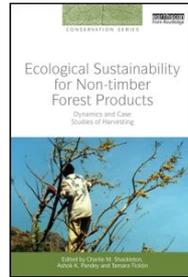
Routledge
Market: Environment & Sustainability / Biodiversity & Conservation
 May 2015: 288pp
 Hb: 978-0-415-70805-0: **\$155.00**
 Pb: 978-0-415-70806-7: **\$53.95**
 eBook: 978-1-315-88632-9

* For full contents and more information, visit: www.routledge.com/9780415708067



Ecological Sustainability for Non-timber Forest Products

Dynamics and Case Studies of Harvesting



Edited by **Charlie M. Shackleton**, Rhodes University, South Africa, **Ashok K. Pandey**, Tropical Forest Research Institute, Jabalpur, India and **Tamara Ticktin**, University of Hawai'i at Manoa, USA

Series: People and Plants International Conservation

This book challenges the idea that harvesting Non-timber Forest (NTFPs) Products must be detrimental, and shows that while examples of such negative impacts certainly exist, there are also many examples of sustainable harvesting systems for NTFPs, which are increasingly recognized for their importance to rural livelihoods.

Part 1: Components of the System Part 2: Case Studies Part 3:

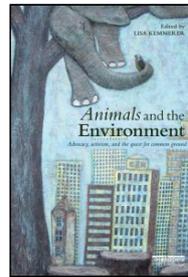
Promoting Ecological Sustainability

Routledge
Market: Environment & Sustainability / Forestry / Ecology
 March 2015: 280pp
 Hb: 978-0-415-72859-1: **\$145.00**
 eBook: 978-1-315-85158-7

* For full contents and more information, visit: www.routledge.com/9780415728591

Animals and the Environment

Advocacy, activism, and the quest for common ground



Edited by **Lisa Kemmerer**, Montana State University Billings, USA

Contemporary earth and animal activists often seem to operate independently. This anthology highlights important areas of common ground, including the protection of wildlife and personal dietary choice. It is shown that if earth and animal advocates move beyond philosophical differences and resultant divergent priorities, turning attention to shared goals, both will be more effective – and both animals and the environment will benefit. Drawing on a wide range of issues and disciplines, ranging from wildlife management, hunting and vegetarianism, to ethics, religion, ecofeminism and animal welfare, this volume provides a stimulating collection of ideas and challenges.

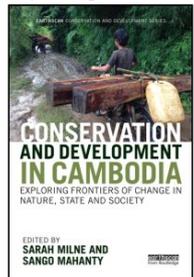
Routledge
Market: Environment & Sustainability / Politics
 March 2015: 362pp
 Hb: 978-1-138-82587-1: **\$149.00**
 Pb: 978-1-138-82588-8: **\$49.95**
 eBook: 978-1-315-73966-3

* For full contents and more information, visit: www.routledge.com/9781138825888



Conservation and Development in Cambodia

Exploring frontiers of change in nature, state and society



Edited by **Sarah Milne**, Australian National University, Canberra, Australia and **Sango Mahanty**, Australian National University, Canberra, Australia

Series: *Earthscan Conservation and Development*

Written by leading authorities from Australasia, Europe and North America, this book examines the dynamic conflicts and synergies between nature conservation and human development in contemporary Cambodia. The book explores the social and political dimensions of environmental changes in Cambodia, and of efforts to intervene in and 'improve' current trajectories for conservation and development. It provides a compelling analysis of the connections between nature, state and society,

pointing to the key role of non-state actors in shaping Cambodia's frontiers of change. These insights will be of great interest to scholars of Southeast Asia and environment-development issues in general.

Routledge

Market: Environment & Sustainability / Conservation / Sustainable Development / South East Asian Studies

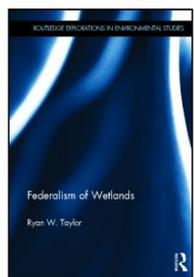
February 2015: 292pp

Hb: 978-0-415-70680-3: \$145.00

eBook: 978-1-315-88730-2

* For full contents and more information, visit: www.routledge.com/9780415706803

Federalism of Wetlands



Ryan W. Taylor, State University of New York Purchase, USA

Series: *Routledge Explorations in Environmental Studies*

The global governance of Access Benefit Sharing (ABS) as established at the 1992 Convention on Biological Diversity has been seen as a major achievement, but it has also been coined a 'masterpiece of ambiguity'. This book offers a fresh analysis of the core features, status and prospects of ABS following the 2010 Nagoya Protocol, which aimed to improve and enhance the framework.

Routledge

Market: Environment, Politics, Policy

February 2015

Hb: 978-0-415-50341-9: \$160.00

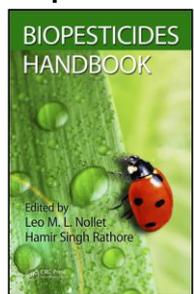
Pb: 978-1-138-90100-1: \$49.95

eBook: 978-0-203-10953-3

* For full contents and more information, visit: www.routledge.com/9781138901001



Biopesticides Handbook



Edited by **Leo M.L. Nollet**, University College Ghent, Belgium (Retired) and **Hamir Singh Rathore**, Retired Professor and Chairman, Applied Chemistry Department, Aligarh Muslim University

Offering a full spectrum and review of the range of organisms and organic products that may be used in the biological control of insects, this book discusses the uses and abuses of biopesticides that have been in circulation for more than 50 years, as well as more recent advances in this area. It describes the metabolism of these biopesticides and offers the best mode of action to prove environmental safety, detailing the present status of biopesticide residue in foodstuffs, soil, and water.

CRC Press

Market: Environmental Science

January 2015: 6-1/8 x 9-1/4: 308pp

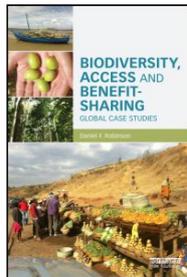
Hb: 978-1-466-59652-8: \$159.95

eBook: 978-1-466-59653-5

* For full contents and more information, visit: www.crcpress.com/9781466596528

Biodiversity, Access and Benefit-Sharing

Global Case Studies



Daniel F. Robinson, University of New South Wales, Australia

The Nagoya Protocol to the Convention on Biological Diversity (CBD) is rapidly receiving signatures and ratifications. Many countries are preparing to implement the protocol through national research permit systems and/or biodiversity laws. Yet there is still considerable confusion about how to implement the Protocol, regarding access and benefit-sharing (ABS) procedures, and minimal experience in many countries. This book seeks to remedy this gap in understanding by analysing a number of ABS case studies in light of the Nagoya Protocol. It includes wide-ranging case studies with examples of plants for many uses from around the world.

Routledge

Market: Environment & Sustainability / Biodiversity & Conservation / Law

November 2014: 216pp

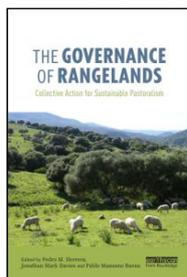
Hb: 978-0-415-71427-3: \$145.00

eBook: 978-1-315-88281-9

* For full contents and more information, visit: www.routledge.com/9780415714273

The Governance of Rangelands

Collective Action for Sustainable Pastoralism



Edited by **Pedro M. Herrera**, Entretantos Foundation, Ancares Leoneses Biosphere Reserve, Gama S.L., and the University of Valladolid, Spain, **Jonathan Davies**, International Union for the Conservation of Nature (IUCN), Kenya and **Pablo Manzano Baena**, formerly IUCN, Nairobi, Kenya

Most pastoralists manage their rangelands communally, benefitting from the greater flexibility and seasonal resource access that common property regimes can offer. As this book shows, this creates a major challenge for governance and institutions. This work improves our understanding of the importance of governance, how it can be strengthened and the principles that underpin good governance, in order to prevent degradation of rangelands and ensure their sustainability. A

series of country case studies is presented, drawn from a wide spectrum of examples, to provide contrasting lessons which are summarised to promote improved governance of rangelands and pastoralist livelihoods.

Unknown

Market: Environment & Sustainability

October 2014: 298pp

Hb: 978-1-138-78514-4: \$145.00

eBook: 978-1-315-76801-4

* For full contents and more information, visit: www.routledge.com/9781138785144

Rainforest Tourism, Conservation and Management

Challenges for Sustainable Development



Edited by **Bruce Prideaux**, James Cook University, Cairns, Australia

Series: *The Earthscan Forest Library*

Besides the crucial role which rainforests play in climate change mitigation and other ecosystem services, they can also be lucrative sources of income for local communities through tourism. Unfortunately not all rainforest tourism is sustainable. This multidisciplinary book argues that sustainability must be the foundation on which tourism in these complex but fragile ecosystems must be built. Each major rainforest region is covered, including the Amazon, Central America, Africa, Australia and south-east Asia.

Unknown

Market: Environment & Sustainability / Forestry / Tourism

September 2014: 322pp

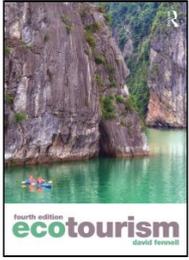
Hb: 978-0-415-63582-0: \$145.00

eBook: 978-0-203-08718-3

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4th Edition · TEXTBOOK

Ecotourism



David A. Fennell, Brock University, Canada

This book continues its tradition of touching on many of the most important questions about the purity and potential of ecotourism in the face of so many competing demands—demands that will not go away because they appear to a function of who we are at the very core; a function of human nature. This book is a useful aid to students, giving an authoritative and comprehensive review of key issues that continue to both plague ecotourism and make it one of the most dynamic sectors in the tourism industry. This accessible book covers a breadth of themes and geographical regions.

Routledge

Market: Tourism, Environmental Studies and Geography

September 2014: 288pp

Hb: 978-0-415-82964-9: **\$160.00**

Pb: 978-0-415-82965-6: **\$67.95**

eBook: 978-0-203-38211-0

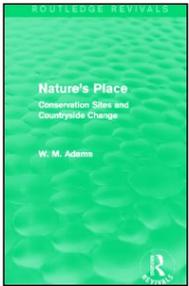
Prev. Ed Pb: 978-0-415-42931-3

* For full contents and more information, visit: www.routledge.com/9780415829656



Nature's Place (Routledge Revivals)

Conservation Sites and Countryside Change



Bill Adams, University of Cambridge, UK

Series: Routledge Revivals

This title, first published in 1986, deals with the critical issues surrounding nature conservation and wildlife protection. The book is broad in scope, with a focus on the 1981 Wildlife and Countryside Act and its provisions for the protection of wildlife habitats in Sites of Special Scientific Interest (SSSIs).

Unknown

Market: Environment and Sustainability/Rural Resources/Countryside Conservation

January 2015: 210pp

Hb: 978-0-415-71858-5: **\$130.00**

Pb: 978-0-415-71863-9: **\$48.95**

eBook: 978-1-315-86789-2

* For full contents and more information, visit: www.routledge.com/9780415718639

Environmental Crises in Central Asia

From steppes to seas, from deserts to glaciers

Edited by **Eric Freedman**, Centre for Environmental University, Michigan State University, USA. and **Mark Neuzil**, University of St. Thomas in St. Paul, Minn, USA.

Series: Routledge Studies in Environmental Communication and Media

This multidisciplinary book explores the array of environmental challenges in a strategically crucial part of the globe, including the impact of climate change on glacial melt, desertification, deforestation, destruction of biodiversity, overfishing, hazardous wastes, water quality and supply, energy exploration, air and pesticide pollution, and environmental diseases. These challenges cross national borders and may affect economic, political and cultural relationships on a vast geographic scale at a time when the region's governments are burdened by limited economic resources, weak civil society institutions and political authoritarianism.

Unknown

Market: Environment, Sustainability / Media and Communication / Asian Studies

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Hb: 978-1-138-82484-3: \$145.00

eBook: 978-1-315-82484-0

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Land Resources Monitoring, Modeling, and Mapping with Remote Sensing

Edited by **Prasad S. Thenkabail**, Ph.D., U.S. Geological Survey, Arizona, USA

Series: Remote Sensing Handbook

With more than 100 leading global contributors, this book is the most comprehensive documentation of the scientific and methodological advances that have taken place in understanding remote sensing data, methods, and applications over last 50 years. In a very practical way the book demonstrates the experience, utility, methods and models used in studying a wide array of Land applications.

CRC Press

November 2015: 8-1/2 x 11: 816pp

Hb: 978-1-482-21795-7: \$149.95

eBook: 978-1-482-21798-8

* For full contents and more information, visit: www.crcpress.com/9781482217957

Resource Recovery from Waste

Business Models for Energy, Nutrients and Water Reuse

Edited by **Miriam Otoo**, International Water Management Institute, Sri Lanka and **Pay Drechsel**, International Water Management Institute, Sri Lanka

Humans generate millions of tons of waste every day. This book shows how resource recovery and reuse (RRR) could create livelihoods, enhance food security, support green economies, reduce waste and contribute to cost recovery in the sanitation chain. It provides a compendium of success stories of resource recovery and reuse, presenting for energy, nutrient and water recovery innovative business models based on approximately seventy empirical cases from around the world, each described and evaluated in a systematic way. The focus is on municipal or agro-industrial waste and models with potential for large-scale, out-scale and up-scaling.

Routledge

Market: Environment & Sustainability

October 2015: 640pp

Hb: 978-1-138-01655-2: \$215.00

eBook: 978-1-315-78086-3

* For full contents and more information, visit: www.routledge.com/9781138016552

TEXTBOOK

Sustainable Forest Management

From Principles to Practice

Edited by **John Innes**, University of British Columbia, Vancouver, Canada and **Anna Tikina**, University of British Columbia, Canada

Series: The Earthscan Forest Library

Sustainable Forest Management provides the material that will educate students about forestry and the contemporary role of forests in ecosystems and society, and hence set the standard of sustainable forest management worldwide. It provides a comprehensive textbook on the concept and practice of sustainable forest management. The first chapters concentrate on conceptual aspects, relating sustainable forestry management to international policy, particularly the concept of criteria and indicators and how this has determined the practice of forest management. Later chapters are more practical in focus, concentrating on the management of the many values associated with forests.

Routledge

Market: Forestry / Environment & Sustainability

November 2015: 320pp

Hb: 978-1-844-07723-6: \$155.00

Pb: 978-1-844-07724-3: \$53.95

eBook: 978-0-203-12654-7

* For full contents and more information, visit: www.routledge.com/9781844077243



Transformational Change in Environmental and Natural Resource Management

In Search of Policy Excellence

Edited by **Mike Young**, University of Adelaide, Australia and **Christine Esau**, Environmental journalist and editor, Adelaide, Australia

Series: Earthscan Studies in Natural Resource Management

The aim of this book is to catalyse global interest in the pursuit of transformational changes in natural resource and environmental management. It is shown that transformational policy reforms involve fundamental shifts in strategy with far-reaching consequences. But unlike incremental policy reforms, they are often seen to be politically risky and prone to failure. Using examples of success and failure, the book presents guidelines for excellence in the pursuit of transformational policy reforms. It includes detailed case studies from Australia, China, Europe, New Zealand, South-east Asia and the USA.

Routledge

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eBook: 978-1-315-71591-9

* For full contents and more information, visit: www.routledge.com/9781138884748



Forest Management Auditing

Certification of forest products and services

Edited by **Lucio Brotto**, University of Padova, Italy and **Davide Pettenella**, University of Padova, Italy

Forest management auditing is expanding from its traditional focus on forest management, stewardship and chain of custody certification to more innovative topics such as ecosystem services, forest carbon credits, non-timber forest products, wood energy and fair trade certification. This book outlines the market-based tools that are required by professionals to ensure corporate social responsibility in the forestry sector. It provides a detailed explanation of standards, methodologies and techniques. Numerous case studies are included from a wide range of contexts, from both temperate and tropical forests, developed and developing countries.

Routledge

Market: Forestry / Environment & Sustainability

September 2015: 224pp

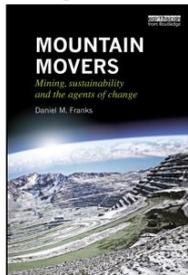
Hb: 978-1-138-81667-1: \$85.00

eBook: 978-1-315-74598-5

* For full contents and more information, visit: www.routledge.com/9781138816671

Mountain Movers

Mining, Sustainability and the Agents of Change



Daniel M. Franks, University of Queensland, Brisbane, Australia

In recent years the mining industry has embraced the concept of sustainable and equitable development and embarked on an explicit process of change. This book explores the dynamics and authenticity of change-making for sustainable development of the mining of mineral and energy resources. It draws on interviews and insights from change-makers both inside and outside the industry, as well as a review of published literature, to take stock of what has worked and develop new approaches to improve environmental and social outcomes. From anti-mining activists to industry professionals, it focuses on the people who are working to move the industry that moves mountains.

Routledge

Market: Environment & Sustainability / Development Studies / Natural Resource Management / Mining

September 2015: 256pp

Hb: 978-0-415-71170-8: \$155.00

Pb: 978-0-415-71171-5: \$53.95

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Six volume set



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Unknown

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Pb: 978-1-849-71245-3: \$410.00

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Land Use and Land Cover Semantics

Principles, Best Practices, and Prospects

Edited by **Ola Ahlqvist**

As more and more land cover data sets have been developed, the need to harmonize classification systems for landscape analysis is a frequently proposed solution. This book provides a platform for scholars to reassess the field, affirm successful approaches, and point to future possibilities in advancing LULC semantics. With analysis of land-use/land-cover semantics and explanations of current best practices, the book reviews aspects of data modeling where designers and practitioners should be aware of providing clear and consistent semantic details.

CRC Press

Market: Environmental Science

August 2015: 6-1/8 x 9-1/4: 368pp

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Edited by **Carl Bruch**, Environmental Law Institute, Washington, USA, **Carroll Muffett**, The Center for International Environmental Law, Washington, USA and **Sandra Nichols**, Environmental Law Institute, Washington, USA

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This examination of experiences in post-conflict governance, natural resource management, and peacebuilding features studies from more than 40 countries. It highlights the centrality of natural resource management in rebuilding governance and the rule of law, combating corruption, improving transparency and accountability, engaging disenfranchised populations, and building confidence following conflict. It provides a concise theoretical and practical framework for policymakers, researchers, practitioners, and students.

Unknown

October 2015: 640pp

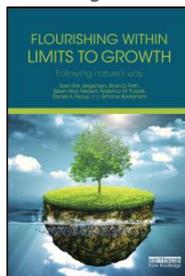
Pb: 978-1-849-71235-4: \$84.95

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Flourishing Within Limits to Growth

Following nature's way



Sven Erik Jørgensen, Copenhagen University, Denmark, **Simone Bastianoni**, University of Siena, Italy, **Brian D. Fath**, Towson University, USA, **Daniel A. Fiscus**, Frostburg State University, USA, **Søren Nors Nielsen**, Independent Researcher, Denmark and **Federico M. Pulselli**, University of Siena, Italy

Decades of research and discussion have shown that the growth of population and of our consumption of natural resources cannot continue – there are limits to growth. This volume demonstrates how we might modify and revise the economic system using nature as a model. Through a significant development of the three 'r's: reduce, reuse and recycle, nature shows us a way forward. The authors present a global model which shows that if the proposed changes are implemented, it will lead to a win-win situation. We need to develop a society that can cope with the limits to growth and is not governed entirely by short term economic interests.

Routledge

Market: Environment & Sustainability / Economics

July 2015: 288pp

Hb: 978-1-138-84252-6: \$160.00

Pb: 978-1-138-84253-3: \$53.95

eBook: 978-1-315-73144-5

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Ecological Forest Management Handbook

Edited by **Guy R. Larocque**

Series: Applied Ecology and Environmental Management

Forests are valued not only for their economic potential, but also for the biodiversity they contain, the ecological services they provide, and the recreational, cultural, and spiritual opportunities they provide. Ecological forest management can be defined as the use of site-specific knowledge and understanding of ecological processes that will guide the development of adaptive management scenarios to harvest resources in a sustainable way and provide ecosystem services and social functions. This handbook is a helpful guide and learning tool for the application of the basic principles of ecological forest management.

CRC Press

October 2015: 6-1/8 x 9-1/4: 700pp

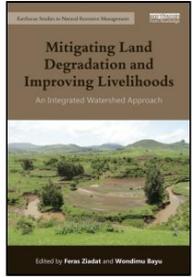
Hb: 978-1-482-24785-5: \$149.95

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Mitigating Land Degradation and Improving Livelihoods

An Integrated Watershed Approach



Edited by **Feras Ziadat**, Food and Agriculture Organization of the United Nations, Rome, Italy and **Wondimu Bayu**, ICARDA, Addis Ababa, Ethiopia

Series: *Earthscan Studies in Natural Resource Management*

The research presented in this book demonstrates how an integrated 'systems' approach to farming in the watershed context increases the effectiveness of a production system and improves people's livelihoods. It takes an integrated approach, using one watershed in Ethiopia as a 'laboratory' or model case study to focus on the interaction and interdependence between land, water, crops, soil, water harvesting, supplemental irrigation, forestry, socio-economic aspects, livestock and farm tools.

Routledge

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Hb: 978-1-138-78518-2: \$145.00

eBook: 978-1-315-75444-4

* For full contents and more information, visit: www.routledge.com/9781138785182

Carbon Conflicts and Forest Landscapes in Africa

Edited by **Melissa Leach**, Professorial Fellow, Institute of Development Studies (IDS), University of Sussex, UK Director, STEPS Centre, Sussex, UK and **Ian Scoones**, University of Sussex, UK

Series: *Pathways to Sustainability*

This book examines the effectiveness of forest carbon projects in Africa, looking at efforts to conserve forest carbon stocks, reduce carbon emissions and offset emissions through trade in carbon credits. Drawing on a diverse range of original international case studies, the book analyses forest carbon projects in the context of the wider commoditisation of nature. It explores how these projects interact with the particular histories of forest landscapes and impact on local forest users. By examining these cases in a comparative framework, the book provides a rich and compelling account of how and why carbon conflicts are emerging, and how they might be avoided in future.

Routledge

June 2015: 240pp

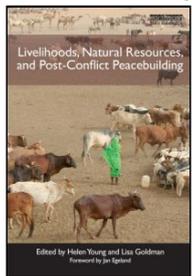
Hb: 978-1-138-82482-9: \$140.00

Pb: 978-1-138-82483-6: \$45.95

eBook: 978-1-315-74041-6

* For full contents and more information, visit: www.routledge.com/9781138824836

Livelihoods, Natural Resources, and Post-Conflict Peacebuilding



Edited by **Helen Young**, Tufts University, USA and **Lisa Goldman**, Environmental Law Institute, USA

Series: *Post-Conflict Peacebuilding and Natural Resource Management*

Using case studies and analysis, this examination of experiences from around the world identifies lessons and opportunities for designing interventions in land management, agriculture, forestry, fisheries, protected areas, ecotourism, and other natural resource-based areas in supporting post-conflict livelihoods and facilitating peacebuilding. It provides a concise theoretical and practical framework for policymakers, researchers, practitioners, and students. *Livelihoods and Natural Resources in Post-Conflict*

Peacebuilding is part of a global initiative to identify and analyze lessons in post-conflict peacebuilding and natural resource management.

Routledge

Market: Environment and Sustainability / Law

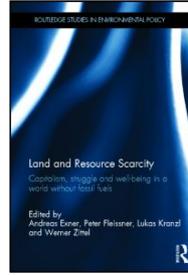
April 2015: 6 x 9: 544pp

Pb: 978-1-849-71233-0: \$84.95

* For full contents and more information, visit: www.routledge.com/9781849712330

Land and Resource Scarcity

Capitalism, Struggle and Well-being in a World without Fossil Fuels



Edited by **Andreas Exner**, Umweltbüro GmbH, Germany, **Peter Fleissner**, formerly at Vienna University of Technology, Austria, **Lukas Kranzl**, Vienna University of Technology, Austria and **Werner Zittel**, Ludwig Bölkow Systemtechnik GmbH, Germany

Series: *Routledge Studies in Environmental Policy*

This book brings together geological, biological, radical economic, technological, historical and social perspectives on peak oil and other scarce resources. The contributors to this volume argue that these scarcities will put an end to the capitalist system as we know it and alternatives must be created. The book combines natural science with emancipatory thinking,

focusing on bottom up alternatives and social struggles to change the world by taking action. The volume introduces original contributions to the debates on peak oil, land grabbing and social alternatives, thus creating a synthesis to gain an overview of the multiple crises of our times.

Routledge

Market: Environment, Sustainability

February 2015: 320pp

Hb: 978-0-415-63061-0: \$155.00

Pb: 978-1-138-90095-0: \$49.95

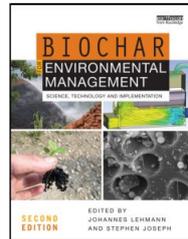
eBook: 978-0-203-09756-4

* For full contents and more information, visit: www.routledge.com/9781138900950

2nd Edition · NEW EDITION

Biochar for Environmental Management

Science, Technology and Implementation



Edited by **Johannes Lehmann**, Cornell University, Ithaca, New York, USA and **Stephen Joseph**, University of New South Wales, Australia

The first edition of this book (2009) was the definitive work reviewing the expanding research literature on biochar, the beneficial carbon-rich product when biomass (such as manure or crop residues) is heated in a closed container with little or no available air. Since then, the rate of research activity has increased at least ten-fold, and biochar products are now commercially available as soil amendments. This second edition includes not only substantially updated chapters, but also additional chapters,

and continues to represent the most comprehensive compilation of current knowledge on all aspects of biochar.

Routledge

Market: Environment & Sustainability / Natural Resource Management

February 2015: 944pp

Hb: 978-0-415-70415-1: \$175.00

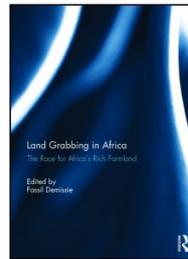
eBook: 978-0-203-76226-4

Prev. Ed Hb: 978-1-844-07658-1

* For full contents and more information, visit: www.routledge.com/9780415704151

Land Grabbing in Africa

The Race for Africa's Rich Farmland



Edited by **Fasil Demissie**, DePaul University, USA

This book provides a critical appraisal of the growing phenomenon of land grabbing in Africa. The case studies illustrate that African states are also complicit in the massive land grabbing by actively participating in isolated development while excluding the local communities. The case studies reveal key features that characterize how the global land grab plays out in specific localities in Africa.

This book was published as a special issue of *African Identities*

Routledge

Market: Environment & Resources / African Studies / Primary Industries

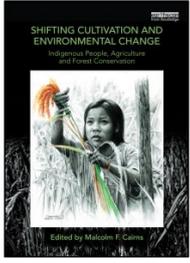
January 2015: 144pp

Hb: 978-1-138-84474-2: \$145.00

* For full contents and more information, visit: www.routledge.com/9781138844742

Shifting Cultivation and Environmental Change

Indigenous People, Agriculture and Forest Conservation



Edited by **Malcolm F. Cairns**, Indigenous Fallow Management network, Chiang Mai, Thailand

Shifting cultivation is one of the oldest forms of subsistence agriculture and is still practised by millions of poor people in the tropics. This book brings together the best of science and farmer experimentation, vividly illustrating the enormous diversity of shifting cultivation systems as well as the power of human ingenuity. It focuses on successful agricultural strategies of upland farmers, particularly in south and south-east Asia, and presents over 50 contributions by scholars from around the world and from various disciplines, including agricultural economics, ecology and anthropology.

Routledge

Market: Environment & Sustainability / Sustainable Development / Agriculture & Food

December 2014: 1032pp

Hb: 978-0-415-74603-8: \$199.00

Pb: 978-0-415-74605-2: \$67.95

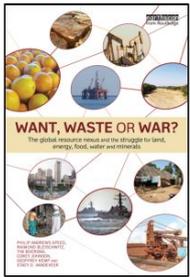
eBook: 978-1-315-79632-1

* For full contents and more information, visit: www.routledge.com/9780415746052



Want, Waste or War?

The Global Resource Nexus and the Struggle for Land, Energy, Food, Water and Minerals



Philip Andrews-Speed, National University of Singapore, Singapore, **Raimund Bleischwitz**, University College London, UK, **Tim Boersma**, The Brookings Institution, Washington, DC, USA, **Corey Johnson**, University of North Carolina at Greensboro, USA, **Geoffrey Kemp**, Center for the National Interest, Washington, DC, USA and **Stacy D. VanDeveer**, University of New Hampshire, Durham, USA

In addition to environmental change, the structure and trends of global politics and the economy are also changing as more countries join the ranks of the world's largest economies with their resource-intensive patterns. The nexus approach, conceptualized as attention to resource connections and their governance ramifications, calls attention to the sustainability of contemporary consumer resource use, lifestyles and supply chains. This book sets out an analytical framework for understanding these issues and related governance challenges and opportunities. The authors highlight opportunities to improve both the understanding and governance.

Routledge

Market: Politics / Environment & Sustainability

November 2014: 230pp

Hb: 978-1-138-78446-8: \$145.00

Pb: 978-1-138-78459-8: \$49.95

eBook: 978-1-315-76824-3

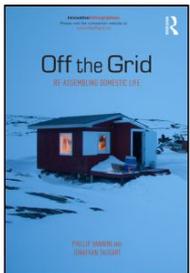
* For full contents and more information, visit: www.routledge.com/9781138784598



TEXTBOOK

Off the Grid

Re-Assembling Domestic Life



Phillip Vannini, Royal Roads University, Canada and **Jonathan Taggart**

Series: Innovative Ethnographies

This ethnography explores the lives of people in each of Canada's provinces and territories living off the grid. Vannini and Taggart raise important questions about our social future and whether off-grid living creates an environmentally and culturally sustainable lifestyle practice. These homes are experimental labs for our collective future, an intimate look into unusual contemporary domestic lives, and a call to the rest of us leading ordinary lives to examine what we take for granted. This book is ideal for courses on the environment and sustainability as well as introduction to sociology and introduction to cultural anthropology courses.

Routledge

Market: Anthropology and Sociology / Ethnography

November 2014: 6 x 9: 234pp

Hb: 978-0-415-85432-0: \$140.00

Pb: 978-0-415-85433-7: \$34.95

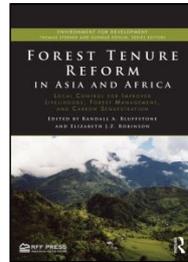
eBook: 978-0-203-74440-6

* For full contents and more information, visit: www.routledge.com/9780415854337



Forest Tenure Reform in Asia and Africa

Local Control for Improved Livelihoods, Forest Management, and Carbon Sequestration



Edited by **Randall Bluffstone**, Portland State University, USA and **Elizabeth J.Z. Robinson**, University of Reading, UK

Series: Environment for Development

Forest tenure reforms are occurring in many developing countries around the world. These reforms typically include devolution of forest lands to local people and communities. This book explains the importance and implications of these reforms for local environmental quality, climate change, and the livelihoods of villagers, who are often poor. It is shown that local management is generally more successful than privatization for the equitable allocation of common pool resources and for the administration of conservation schemes such as REDD. The work also includes detailed case studies from China, Ethiopia, Kenya, Nepal, Tanzania and Uganda.

RFF Press

Market: Environmental Economics / Forestry

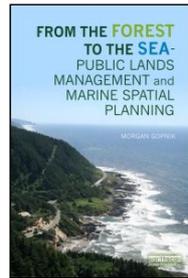
November 2014: 284pp

Hb: 978-1-138-81964-1: \$145.00

eBook: 978-1-315-74426-1

* For full contents and more information, visit: www.routledge.com/9781138819641

From the Forest to the Sea – Public Lands Management and Marine Spatial Planning



Morgan Gopnik, Environmental Policy Consultant, Washington, DC, USA

In order to draw lessons for the emerging field of marine spatial planning (MSP), this book explores the long, complex, and frequently contentious history of public lands management in the United States. Based on environmental policy theory, the author establishes the comparability of these two seemingly different settings. The work examines the management of US National Forests over the past 120 years to discover recurring themes, and analyzes recent efforts to advance MSP, both in the US and globally, showing how they mirror past events in National Forest management. The book concludes with recommendations to those within ocean-related sectors.

Unknown

Market: Environment & Sustainability

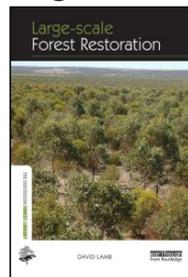
October 2014: 224pp

Hb: 978-1-138-01442-8: \$145.00

eBook: 978-1-315-79474-7

* For full contents and more information, visit: www.routledge.com/9781138014428

Large-scale Forest Restoration



David Lamb, University of Queensland, Australia

Series: The Earthscan Forest Library

Landscapes are being degraded and simplified across the globe. This book explores how reforestation and restoration might be carried out to increase landscape heterogeneity, improve ecological functioning and restore ecosystem services in such landscapes. It focuses on large, landscape-scale reforestation because that is the scale at which restoration is needed if any of the problems that have now developed are to be addressed. It also shows how large-scale reforestation might improve human livelihoods as well as improve conservation outcomes.

Unknown

Market: Environment & Sustainability / Forestry

September 2014: 302pp

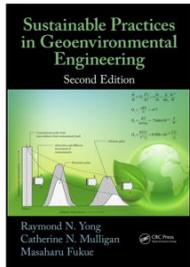
Hb: 978-0-415-66318-2: \$145.00

eBook: 978-0-203-07164-9

* For full contents and more information, visit: www.routledge.com/9780415663182

2nd Edition · NEW EDITION

Sustainable Practices in Geoenvironmental Engineering, Second Edition



Edited by **Raymond N. Yong**, North Saanich, British Columbia, Canada, **Catherine N. Mulligan**, Concordia University, Quebec, Canada and **Masaharu Fukue**, Tokai University, Shizuoka, Japan

Since the publication of the first edition there have been numerous developments on sustainability assessment tools and practices. The new edition has four new chapters regarding monitoring and assessment, more details on treatment technologies, both in situ and ex situ, and discussions on the mitigation of geodisasters. Additional sections have been added to discuss sustainability assessment protocols, industrial ecology methodologies and the impact of the development of energy

sources, including shale gas exploration, and tight oil recovery. All remaining chapters have been updated and expanded.

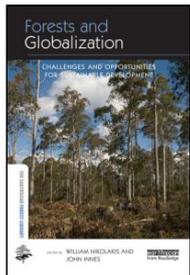
CRC Press

Market: Environmental Science
September 2014: 7 x 10: 561pp
Hb: 978-1-466-58846-2: \$149.95
eBook: 978-1-466-58847-9
Prev. Ed Hb: 978-0-849-32841-1

* For full contents and more information, visit: www.crcpress.com/9781466588462

Forests and Globalization

Challenges and Opportunities for Sustainable Development



Edited by **William Nikolakis**, University of British Columbia, Vancouver, Canada and **John Innes**, University of British Columbia, Vancouver, Canada

Series: The Earthscan Forest Library

Presenting a review and assessment of the current and future impacts of globalization on the world's forests, this book addresses four key themes: the effect of globalization on forests (including future trade flows); plantations as the primary source of forest products and its consequences, including plant breeding and forest health; the effect of new products such as bio-products and markets on forests; and the emergence of forest ecosystem services and their impact on the landscape

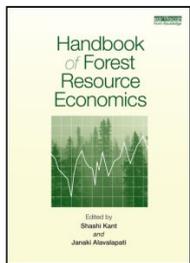
and human communities. Overall, the volume provides a major synthesis of current thinking and knowledge on the topic for advanced students, as well as policy-makers and professionals.

Unknown

Market: Environment & Sustainability / Forestry
September 2014: 226pp
Hb: 978-1-138-78739-1: \$145.00
eBook: 978-1-315-76653-9

* For full contents and more information, visit: www.routledge.com/9781138787391

Handbook of Forest Resource Economics



Edited by **Shashi Kant**, University of Toronto, Canada and **Janaki Alavalapati**, Virginia Polytechnic Institute and State University, USA

It is increasingly recognized that the economic value of forests is not merely the production of timber. Forests provide other key ecosystem services, from acting as sinks for greenhouse gases to providing tourist destinations. This *Handbook* provides a detailed, comprehensive coverage of forest economics. The chapters are grouped into six sections: provisioning services of forests; regulating and supporting services; cultural services; natural disturbances; property rights; and multiple perspectives on forest economics. Written by leading environmental and

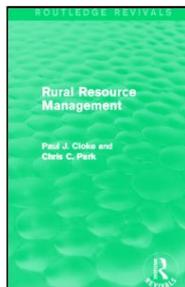
natural resource economists, the book will be a definitive reference volume for students.

Unknown

Market: Economics / Environment and Sustainability/ Forestry/ Natural Resource Management
April 2014: 560pp
Hb: 978-0-415-62324-7: \$240.00
eBook: 978-0-203-10529-0

* For full contents and more information, visit: www.routledge.com/9780415623247

Rural Resource Management (Routledge Revivals)



Edited by **Paul Cloke**, University of Exeter, UK and **Chris C. Park**

Series: Routledge Revivals

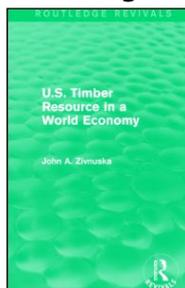
This book, first published in 1985, provides an overview of resource management, together with a geographical treatment of physical, landscape and social resources. This title will provide important insight for students of geography, resource management, environmental planning and conservation.

Unknown

Market: Environment and Sustainability/Rural Studies
December 2014: 474pp
Hb: 978-0-415-71281-1: \$145.00
Pb: 978-0-415-71282-8: \$48.95
eBook: 978-1-315-88366-3

* For full contents and more information, visit: www.routledge.com/9780415712828

U.S. Timber Resource in a World Economy (Routledge Revivals)



John A. Zivnuska

Series: Routledge Revivals

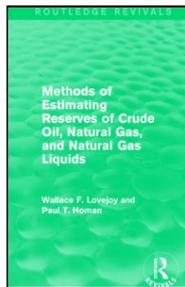
This book, first published in 1967, presents a concise picture of the demand and supply trends of timber around the world. Zivnuska provides a keen analysis of plans, prospects, and opportunities in the areas covered, and an interesting look at the North American forest economy. This book will be of interest to students of environmental studies and forestry.

Routledge

Market: Forestry/Environmental Studies/Sustainability
February 2015: 126pp
Hb: 978-1-138-85723-0: \$105.00
eBook: 978-1-315-71881-1

* For full contents and more information, visit: www.routledge.com/9781138857230

Methods of Estimating Reserves of Crude Oil, Natural Gas, and Natural Gas Liquids (Routledge Revivals)



Wallace F. Lovejoy and Paul T. Homan

Series: Routledge Revivals

Methods of Estimating Reserves of Crude Oil, Natural Gas, and Natural Gas Liquids, first published in 1965, aims to throw new light on a field of knowledge vital to consideration of problems of public policy regarding future sources of energy. This book will be of interest to students of environmental studies.

Routledge

Market: Environment/Environmental Studies/Energy
February 2015: 164pp
Hb: 978-1-138-85630-1: \$105.00
eBook: 978-1-315-71912-2

* For full contents and more information, visit: www.routledge.com/9781138856301

The Politics of Fresh Water

Access, Conflict and Identity

Edited by **Catherine M. Ashcraft**, University of New Hampshire, USA and **Tamar Mayer**, Middlebury College, USA

Series: Earthscan Studies in Water Resource Management

This volume discusses the politics of the freshwater crisis, specifically access to water in different regions and historical periods. It demonstrates the impact of efforts to control water systems, through development, technologies, and institutions, on identities and communities. The chapters focus on processes that contribute to freshwater scarcity, including land use decisions, pollution, privatization, damming, climate change, discrimination, water management institutions and technology. Case studies are included from North and South America, Africa, Asia, Europe and New Zealand.

Routledge

Market: Environment / Politics / Geography

December 2015: 288pp

Hb: 978-1-138-85922-7: **\$145.00**

eBook: 978-1-315-71743-2

* For full contents and more information, visit: www.routledge.com/9781138859227

TEXTBOOK

Marine and Coastal Resource Management

Principles and Practice

Edited by **David R. Green**, University of Aberdeen, UK and **Jeffrey Payne**, Coastal Services Centre, NOAA, USA

Series: Earthscan Oceans

In this new and highly original textbook for a range of interdisciplinary courses and degree programmes focusing on marine and coastal resource management, readers are offered an introduction to the subject matter, a broad perspective and understanding, some case study applications, and a reference source. Each chapter is written by an international authority and expert in the respective field, bringing together perspectives from physical and human geography, marine biology and fisheries, planning and surveying, environmental change, engineering and tourism.

Routledge

Market: Environment & Sustainability/Natural Resource Management/Biodiversity & Conservation

October 2015: 320pp

Hb: 978-1-849-71289-7: **\$160.00**

eBook: 978-0-203-12708-7

* For full contents and more information, visit: www.routledge.com/9781849712897



Geothermal Water Management

Edited by **Jochen Bundschuh** and **Barbara Tomaszewska**, Mineral and Energy Economy Research Institute, Krakow, Poland

Series: Sustainable Water Developments

Geothermal energy is being used for heating and power generating purposes. In some cases, cooled geothermal waters are discharged into the rivers. As an alternative to disposing cooled waters these may be used for drinking water purposes. This book is focused on effective use of geothermal water and renewable energy for future needs of a modern sustainable, effective management of water resources. The book determines the potential of a desalination processes to reduce total dissolved solids (TDS), enhance removal of microelements and also natural radionuclides, making geothermal waters suitable for discharge into surface waters or reuse for drinking, irrigation and other purposes.

CRC Press

Market: Energy

September 2015: 400pp

Hb: 978-1-138-02721-3: **\$169.95**

eBook: 978-1-315-73497-2

* For full contents and more information, visit: www.crcpress.com/9781138027213

Living with Floods in a Mobile Southeast Asia

A Political Ecology of Vulnerability, Migration and Environmental Change

Edited by **Carl Middleton**, Chulalongkorn University, Thailand, **Rebecca J. Elmhirst**, University of Brighton, UK and **Supang Chantavanich**, Chulalongkorn University, Thailand

This volume contributes to a better understanding of the relationship between migration, vulnerability and resilience associated with flooding across diverse environmental, social and policy contexts in Southeast Asia. It challenges simple analyses of flooding as a singular driver of migration, and instead considers the ways in which floods figure in migration-based livelihoods and amongst already mobile populations. The book sets out a conceptual framework based on a 'mobile political ecology,' organised around a series of tightly-argued empirical case studies from countries in the ASEAN region.

Unknown

Market: Environment & Sustainability / Geography / Asian Studies

September 2015: 288pp

Hb: 978-1-138-79324-8: **\$145.00**

eBook: 978-1-315-76143-5

* For full contents and more information, visit: www.routledge.com/9781138793248

Routledge Handbook of Water and Health

Edited by **Jamie Bartram**, University of North Carolina at Chapel Hill, USA, **Rachel Baum**, **Peter Coclanis**, **David Gute**, **David Kay**, **Stephanie McFayden**, **Kathy Pond**, **Will Robertson** and **Michael Rouse**

This comprehensive handbook provides an authoritative source of information on global water and health, suitable for interdisciplinary teaching for advanced undergraduate and postgraduate students. It covers both developing and developed country concerns. It is organized into key sections covering: hazards (including disease, chemicals and other contaminants); exposure; interventions; intervention implementation; distal influences; policies and their implementation; investigative tool; and historic cases. It offers approximately 70 analytical and engaging chapters, each representing a session of teaching or graduate seminar.

Routledge

Market: Environment / Public Health

September 2015: 480pp

Hb: 978-1-138-91007-2: **\$220.00**

eBook: 978-1-315-69360-6

* For full contents and more information, visit: www.routledge.com/9781138910072

The Mekong: A Socio-legal Approach to River Basin Development

Ben Boer, University of Sydney, Australia, **Philip Hirsch**, University of Sydney, Australia, **Fleur Johns**, University of Sydney, Australia, **Ben Saul**, University of Sydney, Australia and **Natalia Scurrah**, University of Sydney, Australia

Series: Earthscan Studies in Water Resource Management

The first detailed study of an international river basin from a socio-legal perspective, this book explores The Mekong River Basin, which sustains approximately 70 million people and provides a prime example of the socio-legal complexities of governing a transboundary river basin. The authors describe the wide range of uses being made of legal doctrine and legal argument in ongoing disputes surrounding hydropower development in the Mekong River Basin. The book identifies previously unacknowledged issues of strategic significance in conflicts surrounding water governance in the Mekong region and suggests fruitful new ways of approaching such conflicts.

Unknown

Market: Environment & Sustainability / Law

December 2015: 192pp

Hb: 978-1-138-78844-2: **\$145.00**

Pb: 978-1-138-78845-9: **\$48.95**

eBook: 978-1-315-76555-6

* For full contents and more information, visit: www.routledge.com/9781138788459

Routledge Handbook of Ocean Resources and Management

Edited by **Hance D. Smith**, Cardiff University, UK, **Juan Luis Suarez de Vivero**, University of Seville, Spain and **Tundi S. Agardy**, Sound Seas, Colrain MA, USA

This comprehensive *Handbook* provides a global overview of ocean resources and management by focusing on critical issues relating to human development and the marine environment, their interrelationships as expressed through the uses of the sea as a resource, and the regional expression of these themes. The underlying approach is geographical, with prominence given to the biosphere, political arrangements and regional patterns – all considered to be especially crucial to the human understanding required for the use and management of the world's oceans.

Routledge

Market: Environment & Sustainability / Marine Science

October 2015: 640pp

Hb: 978-0-415-53175-7: \$220.00

eBook: 978-0-203-11539-8

* For full contents and more information, visit: www.routledge.com/9780415531757

Drinking Water: A Socio-economic Analysis of Historical and Societal Variation

Mark Harvey, University of Essex, UK

In this fascinating and challenging work, the author analyses the way water for drinking is produced, distributed, owned, acquired, and consumed in contrasting ways in different settings. From sparkling mineral water in Germany, to drinking water garages in Taiwan, from water tankers in Mexico City to street vendors in Delhi markets, comparisons are made to stretch our understanding of what we mean by 'an economy', quality, and property rights, of water. In addition, the study of socio-economics of drinking water provides a route into understanding interactions between polity, economy and nature.

Routledge

Market: Environment & Sustainability / Sociology

October 2015: 256pp

Hb: 978-1-138-81697-8: \$145.00

eBook: 978-1-315-74584-8

* For full contents and more information, visit: www.routledge.com/9781138816978

Management Science in Fisheries

A Practical Introduction to Simulation-based Methods

Edited by **Charles T.T. Edwards** and **Dorothy J. Dankel**, Institute of Marine Research, Norway

A key goal of fisheries management is to regulate extractive pressure on a resource, so as to maximise both economic returns and sustainability. This text provides an accessible entry point for students and professionals to management science as developed in fisheries, in order to facilitate uptake of the ideas and methods currently being developed. It focuses on a new approach, referred to variously as a Management Procedure, Operational Management Procedure or Management Strategy. The book is enriched by a large number of practical case study examples drawn from different parts of the world and covering major species of fish, crustacea and bycatch.

Routledge

Market: Biology / Environment

September 2015: 320pp

Hb: 978-1-138-80680-1: \$105.00

eBook: 978-1-315-75144-3

* For full contents and more information, visit: www.routledge.com/9781138806801

Urban Water Reuse Handbook

Edited by **Saeid Eslamian**, Isfahan University of Technology, Iran

Rapid population growth, along with drought, water-intensive energy development, climate change conditions, and a number of other factors are all stressors on world water supplies. In many countries throughout the world, water reuse has proved to be an effective and safe means to help satisfy growing water demands and offset scarcity. This book provides the latest information on water reuse applications with a focus on urban areas. It examines numerous new and alternative methods for sustainable water supplies.

CRC Press

Market: Water Science & Engineering

August 2015: 7 x 10: 400pp

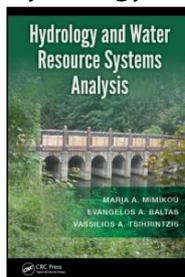
Hb: 978-1-482-22914-1: \$159.95

eBook: 978-1-482-22915-8

* For full contents and more information, visit: www.crcpress.com/9781482229141

TEXTBOOK

Hydrology and Water Resource Systems Analysis



Maria A. Mimikou, **Evangelos A. Baltas**, National Technical University of Athens, Greece and **Vassilios A. Tsihrintzis**, Democritus University of Thrace, Greece

Hydrology and water resources analysis can be looked at together, but this is the only book that presents the relevant material and bridges the gap between scientific processes and applications in one text. It is written for advanced undergraduate and graduate students and for practitioners. It can assist hydrologists and water-related professionals with an unfamiliar term or a new subject area, a formula, the procedure for solving a problem, guidance on the available computer packages, or how to obtain values from a table of data.

CRC Press

Market: Hydrology

October 2015: 6-1/8 x 9-1/4: 456pp

Hb: 978-1-466-58130-2: \$69.95

eBook: 978-1-466-58132-6

* For full contents and more information, visit: www.crcpress.com/9781466581302

Transboundary Marine Spatial Planning and International Law

Edited by **Daud Hassan**, University of Western Sydney, Australia, **Tuomas Kuokkanen**, University of Eastern Finland, Finland and **Niko Soinen**, University of Eastern Finland, Finland

Series: Earthscan Oceans

Marine Spatial Planning (MSP) is an integrated and comprehensive approach to ocean governance and is used to establish a rational use of marine space and the conflicting interests of its users. This book focuses on the framework of international law behind MSP, especially on the transboundary aspects. Specific detailed case studies include the Baltic Sea and North Sea, the Bay of Bengal and Great Barrier Reef in Australia. The authors examine the national and regional significance of MSP from a sustainable ocean governance point of view, including how it can create opportunities for cross-border cooperation and contribute to the effective protection of the regional marine environment.

Routledge

Market: Environment & Sustainability / Law

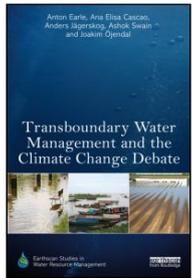
August 2015: 256pp

Hb: 978-0-415-73970-2: \$145.00

eBook: 978-1-315-81642-5

* For full contents and more information, visit: www.routledge.com/9780415739702

Transboundary Water Management and the Climate Change Debate



Edited by **Anton Earle**, Stockholm International Water Institute, Sweden, **Ana Elisa Cascao**, Stockholm International Water Institute, Sweden, **Stina Hansson**, University of Gothenburg, Sweden, **Anders Jägerskog**, Stockholm International Water Institute, Sweden, **Ashok Swain**, Uppsala University, Sweden and **Joakim Öjendal**, University of Gothenburg, Sweden

Series: Earthscan Studies in Water Resource Management

Transboundary Water Management institutions must be able to adapt and develop effective response mechanisms to the climate change debate, as distinct from the physical phenomenon of climate change. This book presents a framework for increased understanding and resilience in these institutions, applied to six river case studies from Africa, Asia and the Middle East.

Routledge

Market: Environment & Sustainability / Water Resource Management

May 2015: 256pp

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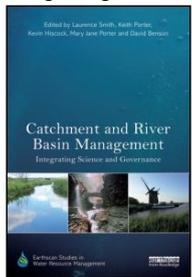
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Integrating Science and Governance



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From concept to implementation

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Series: Routledge Special Issues on Water Policy and Governance

This book offers a critical review of the IWRM concept. It has the objective of fostering scholarly exchange, encouraging intellectual debate and promote the advancement of knowledge and understanding of IWRM as a concept, as a goal per se and as a strategy towards development goals.

This book was published as a special issue of the *International Journal of Water Resources Management*

Routledge

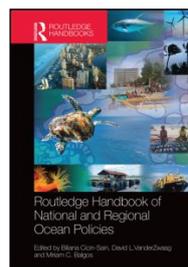
Market: Environment & Resources / Economic Geography / Development Studies

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Routledge Handbook of National and Regional Ocean Policies



Edited by **Biliana Cicin-Sain**, University of Delaware, USA, **David L. VanderZwaag**, Dalhousie University, Canada and **Miriam C. Balgos**, University of Delaware, USA

This comprehensive handbook, prepared by leading academics and practitioners from around the world, presents in-depth analyses of the experiences of fifteen developed and developing nations and four key regions of the world that have taken concrete steps toward cross-cutting and integrated national and regional ocean policy. All chapters follow a common framework for policy analysis. The book highlights the serious conflicts of use in most national ocean zones and the prescriptions articulated in both the Law of the Sea and in the

Earth Summit. Overall, the book provides a definitive state-of-the-art review and analysis of national and regional ocean policies around the world.

Routledge

Market: Environment & Sustainability / Politics

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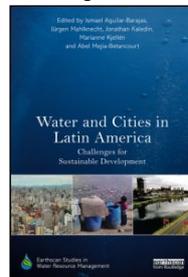
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Water and Cities in Latin America

Challenges for Sustainable Development



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Series: Earthscan Studies in Water Resource Management

Approximately 80 per cent of the population of Latin America is concentrated in urban centres. Water management in cities therefore provides major challenges. This work 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 Brazil, Colombia, Ecuador, Mexico and Peru, as well as a chapter comparing lessons which might be learnt from US cities. Contributing authors are drawn from both within and outside the region set the issues in a global context.

Routledge

Market: Environment & Sustainability / Water Resource Management / Latin America

April 2015: 282pp

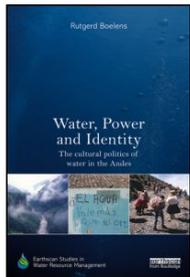
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Water, Power and Identity

The Cultural Politics of Water in the Andes



Rutgerd Boelens, Wageningen University, Netherlands and Catholic University, Peru

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This book addresses the complex conflicting relationship between communities managing water on the ground and national/global policy-making institutions and elites. Andean illustrations from Peru, Ecuador, Bolivia and Chile 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.

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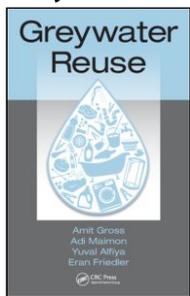
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Greywater Reuse



Amit Gross, Ben-Gurion University of the Negev, Israel, **Adi Maimon**, Ben-Gurion University of the Negev, Israel, **Yuval Alfia**, Technion – Israel Institute of Technology, Haifa and **Eran Friedler**, Technion – Israel Institute of Technology, Haifa

This comprehensive text describes the chemical, physical, and microbial properties of greywater. It covers the treatment and removal of greywater pollutants, providing case studies of common methods. It also identifies the risks involved and proposes regulatory measures to help reduce these risks, reviewing the greywater management strategies, policies, and legislation of several different countries. Plus, the book discusses the prevailing public perception and willingness to adopt various uses of greywater, while analyzing the economic impact of

greywater reuse from both the consumer and national perspectives.

CRC Press

Market: Water, Science, Technology, and Engineering

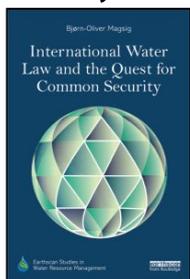
March 2015: 6-1/8 x 9-1/4: 301pp

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eBook: 978-1-482-25505-8

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International Water Law and the Quest for Common Security



Bjørn-Oliver Magsig, Helmholtz Centre for Environmental Research, Germany

Series: Earthscan Studies in Water Resource Management

This book analyses transboundary water interaction as a 'case study' for advancing public international law to fulfil its responsibility of promoting international peace and security. The present mindset of prevailing rigidity and state-centrism is challenged by examining how international legal instruments could be crafted to advance a more flexible and equitable approach towards transboundary water interaction, based on the concept of 'regional common concern'. Ways for implementing such an approach are analysed by looking at international hydro-politics in Himalayan Asia as an example.

Routledge

Market: Environment & Sustainability / Law

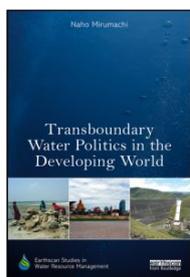
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Transboundary Water Politics in the Developing World



Naho Mirumachi, King's College London, UK

Series: Earthscan Studies in Water Resource Management

This book examines the political economy that governs the development and management of international transboundary river basins. Moving away from simplistic analyses of river basins in conflict or cooperation, the author proposes a new analytical framework (the Transboundary Waters Interaction Nexus – TWINS) to understand riparian interactions, based on the coexistence of conflict and cooperation. The book draws on detailed case studies from the Orange-Senqu River basin in Southern Africa, Ganges River basin in South Asia and the Mekong River basin in Southeast Asia, but also refers to other examples from the developing world.

Routledge

Market: Environment & Sustainability / Geography

March 2015: 190pp

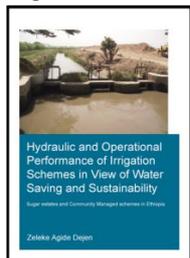
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Hydraulic and Operational Performance of Irrigation Schemes in View of Water Saving and Sustainability

Sugar Estates and Community Managed Schemes in Ethiopia



Zeleke Agide Dejen, UNESCO-IHE Institute for Water Education, Delft, The Netherlands

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This thesis evaluates the performance of two large-scale (Wonji-Shoa and Metahara) and two community-managed (Golgota and Wedecha) irrigation schemes located in the Awash River Basin of Ethiopia. The study focussed on hydraulic/water delivery performance in the large-scale schemes, and on comparative and internal irrigation service (utility) evaluation in the community-managed schemes. Water delivery performance was evaluated using routine data and hydrodynamic modelling. Farmers' utility was evaluated using qualitative responses of

water users. Major performance challenges in each category of schemes were addressed and operational/water management options for improvement were identified.

CRC Press

Market: Water Science, Technology and Engineering

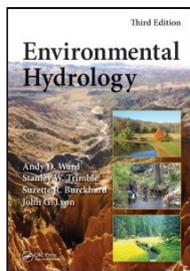
March 2015: 6.7 x 9.5: 200pp

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This text provides a qualitative understanding of hydrologic processes and introduces new methods for quantifying hydrologic parameters and processes. This new edition is fully revised, and contains new and expanded end-of-chapter problems. It adds new content on global climate change and climate modeling, plus related information on hurricanes, typhoons, and monsoons. It also adds additional information on lakes, dams, and wetlands, as well as culverts and backwater curves, as well as expanded coverage of stream assessment methods, stream restoration practices, and floodplain function.

CRC Press

Market: Water Science, Technology and Engineering

February 2015: 8-1/2 x 11

Hb: 978-1-466-58941-4: **\$119.95**

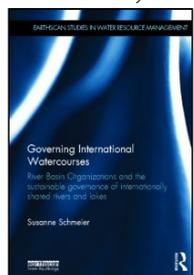
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Governing International Watercourses

River Basin Organizations and the Sustainable Governance of Internationally Shared Rivers and Lakes



Susanne Schmeier, Hertie School of Governance, Berlin, Germany

Series: Earthscan Studies in Water Resource Management

In this contribution to the academic and policy debates surrounding the management and governance of shared natural resources, the focus is placed on River Basin Organizations as the key institutions for managing internationally shared water resources. The book includes advice to policy makers based on worldwide analysis, and three detailed case studies from three continents: the Senegal (West Africa), Mekong (South-east Asia) and Danube (Europe) rivers.

Routledge

Market: Environment & Sustainability/ Natural Resource Management - Water

February 2015: 368pp

Hb: 978-0-415-62358-2: **\$149.00**

Pb: 978-1-138-90050-9: **\$49.95**

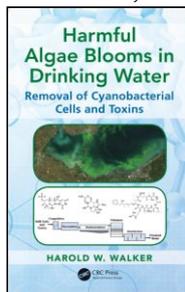
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Removal of Cyanobacterial Cells and Toxins



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Harmful algal blooms (HABs) occurring in freshwater, and the associated toxins they produce, are dangerous to animals and humans. The increasing presence of HABs is a major challenge facing water managers and drinking water utilities across the world. This book explores the current research on removal of HABs and toxins from drinking water, and provides the necessary tools so that treatment plant operators, engineers, and water managers can understand the vulnerability of drinking water treatment plants to HABs and develop treatment processes to minimize their impact.

CRC Press

Market: Environmental Science

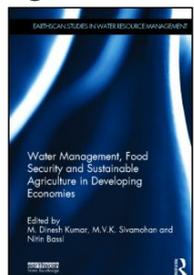
December 2014: 6-1/8 x 9-1/4: 174pp

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eBook: 978-1-466-58307-8

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Series: Earthscan Studies in Water Resource Management

India is a fast developing economy whose natural resource base, comprising land and water supporting agricultural production, is complex, under enormous stress and not amenable to a uniform strategy. This book addresses strategies for food security and sustainable agriculture in India. It critically reviews the dominating issues such as the impacts and potential of large

water resources projects. In the process, the authors examine the less researched aspect of the food security challenge. The book also looks at the reasons for limited success in bringing about much needed institutional reforms, and presents the potential lessons to be learnt from India by other developing countries.

Routledge

Market: Food & Agriculture/Sustainable Development/Water Resource Management/South Asian Studies

February 2015: 236pp

Hb: 978-0-415-62407-7: **\$145.00**

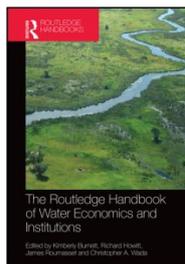
Pb: 978-1-138-90051-6: **\$49.95**

eBook: 978-0-203-10487-3

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Routledge Handbook of Water Economics and Institutions



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This Handbook aims to expand the scope of efficient water use to include allocation of sources and quantities across uses and time, as well as integrating demand-management with supply-side substitutes. Mechanisms to incentivize efficient behavior are discussed in the contexts of perfect and imperfect information. Case studies from the United States, Australia, Europe, and Canada highlight the successes and remaining challenges of establishing efficient water markets.

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Market: Economics / Environment & Sustainability

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Hb: 978-0-415-72856-0: **\$205.00**

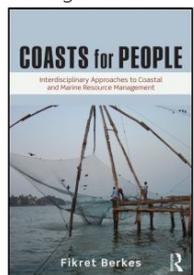
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TEXTBOOK

Coasts for People

Interdisciplinary Approaches to Coastal and Marine Resource Management



Fikret Berkes, University of Manitoba, Canada

Issues of sustainability and increased competition over coastal resources are changing practices of resource management. Societal concerns about environmental degradation and loss of coastal resources have steadily increased, while other issues like food security, biodiversity, and climate change, have emerged. A full set of social, ecological and economic objectives to address these issues are recognized, but there is no agreement on how to implement them. This interdisciplinary and "big picture book" – through a series of vivid case studies from environments throughout the world – suggests how to achieve these new resource management principles in practical, accessible ways.

Routledge

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January 2015: 6-1/8 x 9-1/4: 372pp

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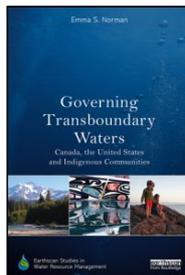
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Governing Transboundary Waters

Canada, the United States, and Indigenous Communities



Emma S. Norman, Northwest Indian College, USA

Series: Earthscan Studies in Water Resource Management

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. With this aim, this book explores the nuances of transboundary water governance through the exploration of the "friendly" Canada-US border. The book explores the issue of what makes a good up-stream neighbor and analyzes the rescaling of transboundary water governance. It highlights the role of non-state actors, such as indigenous communities, in charting new territory in water governance.

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Market: Environment & Sustainability / Politics & International Relations / Geography

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Hb: 978-0-415-83859-7: **\$145.00**

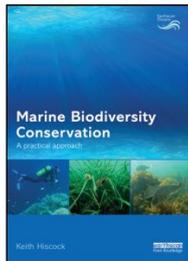
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TEXTBOOK

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A Practical Approach



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 Series: *Earthscan Oceans*

Effective marine biodiversity conservation is dependent upon a clear scientific rationale for practical interventions. This book is intended to provide knowledge and tools for marine conservation practitioners and to identify issues and mechanisms for upper-level undergraduate and Masters students. The main focus is on benthic species living on or in the seabed and immediately above. Such species are fundamental to a stable and sustainable marine ecosystem. The book is a practical guide based on a clear exposition of the principles of marine ecology and species biology to demonstrate how marine

conservation has been tackled worldwide.

Routledge

Market: Biology / Environment & Sustainability

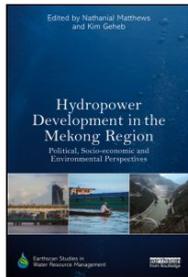
August 2014: 318pp

Hb: 978-0-415-72355-8: **\$160.00**Pb: 978-0-415-72356-5: **\$59.95**

eBook: 978-1-315-85764-0

* For full contents and more information, visit: www.routledge.com/9780415723565**Hydropower Development in the Mekong Region**

Political, Socio-economic and Environmental Perspectives



Edited by **Nathaniel Matthews**, CGIAR Program on Water Land and Ecosystems, and King's College London, UK and **Kim Geheb**, CGIAR Program on Water, Land and Ecosystems, based in Lao PDR

Series: *Earthscan Studies in Water Resource Management*

The Mekong Basin is one of the world's most important areas of biodiversity and home to over 70 million people, significant proportions of whom rely directly on these ecosystems for their livelihoods. It is also currently undergoing enormous social, economic, and ecological change of which hydropower development is one of the most significant components. This book aims to provide a basin-wide analysis of the political,

socio-economic and environmental perspectives of hydropower development in the Mekong Basin. Including chapters from China, Thailand, Laos, Cambodia and Vietnam, the book draws from local experts at the region's premier academic institutions.

Routledge

Market: Environment & Sustainability / South East Asian Studies

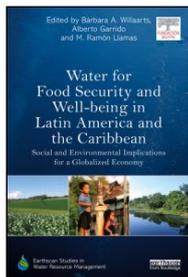
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Hb: 978-0-415-71913-1: **\$145.00**

eBook: 978-1-315-86758-8

* For full contents and more information, visit: www.routledge.com/9780415719131**Water for Food Security and Well-being in Latin America and the Caribbean**

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Series: *Earthscan Studies in Water Resource Management*

This volume addresses fundamental issues surrounding water management and food security in the rapidly developing Latin America and Caribbean region. It focuses on four key themes: the background to water, nature and food; drivers of changing

conditions; pressures and challenges; and responses and enabling conditions. Many chapters take a regional approach, covering a vast domain of data and variables. The authors provide arguments that Latin America and the Caribbean can indeed become a food basket for the world. However, a close and delicate balance will be needed to protect the region's valuable ecosystems and the poorest households.

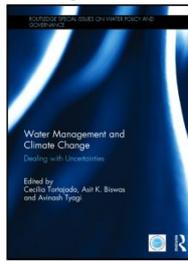
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Market: Environment & Sustainability / Latin America / Caribbean

March 2014: 454pp

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This book addresses challenges and uncertainties related to water management and climate change. It also discusses decision making in the water sector under changing climate and related uncertainties, and societal water security under fluctuating climate.

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Hb: 978-1-138-80916-1: **\$150.00**

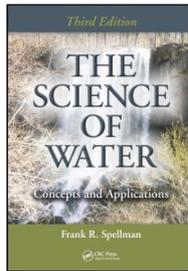
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CRC Press

Market: Water Science, Technology and Engineering

September 2014: 7 x 10: 550pp

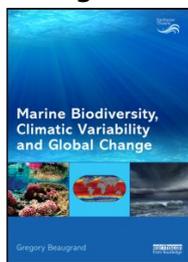
Hb: 978-1-482-24293-5: **\$129.95**

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Marine Biodiversity, Climatic Variability and Global Change

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In this pioneering book the author addresses the important but neglected topic of the effects of human activity, including climate change, on marine biodiversity – a subject which is likely to be the key challenge for marine scientists in the near future. The book demonstrates the major effect of climate variability and global change on marine biodiversity. Building on his research, the author shows how the food chain in the oceans will be affected and its potential impact on fisheries. The book will serve as a textbook for all students of marine science and environmental change, but will also be accessible to the more general reader.

Routledge

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November 2014: 474pp

Hb: 978-1-844-07678-9: **\$199.00**Pb: 978-0-415-51703-4: **\$79.95**

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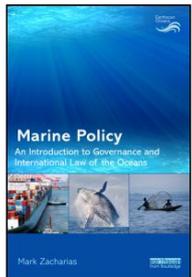
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TEXTBOOK

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Mark Zacharias, Ministry of Environment of the Province of British Columbia, University of Victoria and University of British Columbia, Canada

Series: *Earthscan Oceans*

This textbook provides the reader with a foundation in policy development and analysis and how policy, including legal mechanisms, is applied to marine environments around the world. It provides a systematic treatment of all aspects of marine policy, including environmental protection, fisheries, transportation, energy and other resources and climate change. The book should appeal to senior undergraduate and graduate students and form a core part of the curriculum for marine affairs,

science and policy courses.

Routledge

Market: Environment & Sustainability / Environmental Policy/ Natural Resource Management

March 2014: 336pp

Hb: 978-0-415-63307-9: \$149.00

Pb: 978-0-415-63308-6: \$49.95

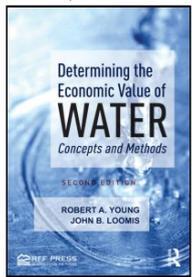
eBook: 978-0-203-09525-6

* For full contents and more information, visit: www.routledge.com/9780415633086

2nd Edition

Determining the Economic Value of Water

Concepts and Methods



Robert A. Young, Colorado State University, USA and John B. Loomis, Colorado State University, USA

This volume provides the most comprehensive exposition to-date of the application of non-market economic valuation methods to proposed water resources investments and policies. It provides a conceptual framework for valuation of both commodity and public good uses of water, from water quality improvement to wildlife habitat enhancement. The book describes the various measurement methods, illustrates application and discusses their strengths, limitations and appropriate roles. In this second edition, all chapters have been thoroughly updated, and in particular the coverage of flood risk and valuation of ecosystem services from water has been

expanded.

RFF Press

Market: Environment & Sustainability / Economics

July 2014: 358pp

Hb: 978-0-415-83846-7: \$170.00

Pb: 978-0-415-83850-4: \$69.95

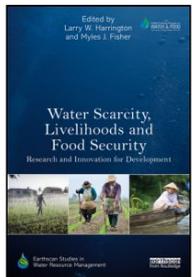
eBook: 978-0-203-78411-2

Prev. Ed Pb: 978-1-891-85398-2

* For full contents and more information, visit: www.routledge.com/9780415838504

Water Scarcity, Livelihoods and Food Security

Research and Innovation for Development



Edited by Larry W. Harrington, International Water Management Institute, Colombo, Sri Lanka and Myles J. Fisher, Centro Internacional de Agricultura Tropical, Cali, Colombia

Series: *Earthscan Studies in Water Resource Management*

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 to an emphasis on using water innovations to improve livelihoods and address development

challenges. 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.

Routledge

Market: Environment & Sustainability / Natural Resource Management

August 2014: 246pp

Hb: 978-0-415-72846-1: \$145.00

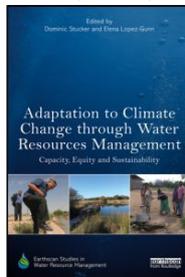
Pb: 978-0-415-72847-8: \$53.95

eBook: 978-1-315-85166-2

* For full contents and more information, visit: www.routledge.com/9780415728478

Adaptation to Climate Change through Water Resources Management

Capacity, Equity and Sustainability



Edited by Dominic Stucker, Sustainability Leaders Network, Brazil and Elena Lopez-Gunn, Universidad Complutense de Madrid, Spain

Series: *Earthscan Studies in Water Resource Management*

The impacts of human-induced climate change are largely mediated by water. This book analyzes evidence from river basins around the world and identifies common barriers and opportunities for adaptation to climate change. Case studies are included from Europe, Asia, Africa, and North and South America. All chapters consider the crosscutting themes of institutional capacity, equity, and sustainability.

Routledge

Market: Environment & Sustainability / Water Resource Management

August 2014: 446pp

Hb: 978-0-415-63593-6: \$160.00

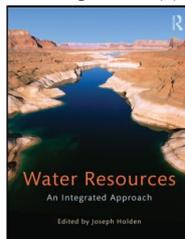
eBook: 978-0-203-08587-5

* For full contents and more information, visit: www.routledge.com/9780415635936

TEXTBOOK

Water Resources

An Integrated Approach



Edited by Joseph Holden, University of Leeds, UK

This edited textbook provides students with a comprehensive overview of both natural and socio-economic processes associated with water in both developed and developing country contexts. It deals with water in a changing world both from an environmental change perspective and the inter-related social and political dimensions. The book provides a novel interdisciplinary approach to water and contains discussion of the changing water cycle and changes to water use and demand with population growth and social change.

Routledge

Market: Water Resources/Geography/Environmental Studies

October 2013: 400pp

Hb: 978-0-415-60281-5: \$165.00

Pb: 978-0-415-60282-2: \$73.95

eBook: 978-0-203-48941-3

* For full contents and more information, visit: www.routledge.com/9780415602822

TEXTBOOK

Environmental Engineering

Fundamentals and Applications

Geoffrey T. Parker

This book covers science as applied to environmental contexts in a deep and resilient fashion. As the student's sophistication and understanding of the subject matter progresses, the text supports them with a consistent viewpoint and style and scales from an introductory topic guide into a valuable reference and resource for the emerging expert. The student will be equipped to think of framing, addressing, and discussing the definition and solution of environmental problems beyond the scientist/engineer viewpoint to encompass management and stakeholder views.

CRC Press

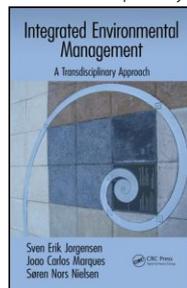
January 2016: 6-1/8 x 9-1/4: 320pp

Hb: 978-1-466-59692-4: \$119.95

eBook: 978-1-466-59694-8

* For full contents and more information, visit: www.crcpress.com/9781466596924**Integrated Environmental Management**

A Transdisciplinary Approach



Sven Erik Jørgensen, Copenhagen University, Denmark

Series: *Applied Ecology and Environmental Management*

This book combines continuous improvement management tools and principles with proven environmental assessment methodologies—including risk and substitute's assessment and full cost accounting. IEMSs assist companies in making sound environmental decisions as part of daily business practices. This book will bring together ecological and technological toolboxes used in different disciplines in a trans-disciplinary method.

CRC Press

Market: Environmental Science

August 2015: 6-1/8 x 9-1/4: 376pp

Hb: 978-1-498-70510-3: \$129.95

eBook: 978-1-498-70511-0

* For full contents and more information, visit: www.crcpress.com/9781498705103**Environmental Systems Analysis with MATLAB**

Stefano Marsili-Libelli, University of Florence, Italy

The book explains how to use leading-edge numerical techniques to develop simple but successful models of environmental processes or to analyze environmental data sets. Ready-made computer codes in Matlab are available to assist the reader in adapting his or her problem to the theory described here. The material is organized in such a way that the book can be used either as an end-to-end textbook in Environmental Systems Analysis or as a handbook to address a specific problem.

CRC Press

Market: Environmental Science

November 2015: 6-1/8 x 9-1/4: 344pp

Hb: 978-1-498-70635-3: \$129.95

eBook: 978-1-498-70636-0

* For full contents and more information, visit: www.crcpress.com/9781498706353**Engineering Tools for Environmental Risk Management**

3. Site Assessment and Monitoring Tools

Edited by **Katalin Gruiz**, Budapest University of Technology, Budapest, Hungary, **Tamas Meggyes**, Research Coordinator, Berlin, Germany and **Eva Fenyesi**, Cyclolab, Budapest, Hungary

This volume describes the theory and methods of environmental risk assessment, the use of environmental effect, fate and hazard information in risk management of chemicals and contaminated land, explains why an integrated assessment is needed both for the risk of chemicals and polluted sites. Efficient tools such as early warning and environmental monitoring with special sensors, or *in situ* measurements and decision making, modeling and mapping are discussed in detail. A nanotechnology method, using the special molecule of cyclodextrin, is introduced as a versatile tool in environmental assessment and monitoring.

CRC Press

Market: Environmental Engineering

August 2015: 450pp

Hb: 978-1-138-00156-5: \$79.95

eBook: 978-1-315-77876-1

* For full contents and more information, visit: www.crcpress.com/9781138001565**Remote Sensing of Water Resources, Disasters, and Urban Studies**Edited by **Prasad S. Thenkabail**, Ph.D., U.S. Geological Survey, Arizona, USASeries: *Remote Sensing Handbook*

This book is the most comprehensive documentation of the scientific and methodological advances that have taken place in understanding remote sensing data, methods, and applications over last 50 years. In a very practical way it demonstrates the experience, utility, methods and models used in studying a wide array of water applications. There are more than 100 leading global experts in the field contributing to this work.

CRC Press

Market: GIS and Remote Sensing

November 2015: 8-1/2 x 11: 608pp

Hb: 978-1-482-21791-9: \$149.95

eBook: 978-1-482-21792-6

* For full contents and more information, visit: www.crcpress.com/9781482217919**Remote Sensing Applications for the Urban Environment**

George Xian, USGS Center for EROS, Sioux Falls, South Dakota, USA

Series edited by **Qihao Weng**Series: *Remote Sensing Applications Series*

This book summarizes current satellite observing capacities and the growing demand for consistent and continuous local, regional, and global observation data. It provides academic faculties, students, researchers, and government decision makers an up-to-date reference that summarizes the state of the art in both remote sensing techniques and environmental assessment methods.

CRC Press

Market: Remote Sensing

August 2015: 6-1/8 x 9-1/4: 400pp

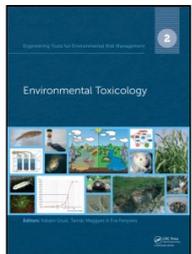
Hb: 978-1-420-08984-4: \$99.95

eBook: 978-1-420-08985-1

* For full contents and more information, visit: www.crcpress.com/9781420089844

Engineering Tools for Environmental Risk Management

2. Environmental Toxicology



Edited by **Katalin Gruiz**, Budapest University of Technology, Budapest, Hungary, **Tamas Meggyes**, Research Coordinator, Berlin, Germany and **Eva Fenyvesi**, Cyclolab, Budapest, Hungary

The volume gives a general overview on environmental toxicology adapted for engineers. In addition to human, aquatic and terrestrial toxicity measuring methods, new trends in environmental analytics and the integration and complementary use of chemical analyses and the testing of effects are described. Bioavailability and accessibility as key parameters are detailed and the interactive and dynamic testing for their characterization is introduced. Great emphasis is placed on the evaluation and

interpretation of environmental fate and adverse effect data as well as the simulation of environmental processes and effects in microcosms and mesocosms.

CRC Press

Market: Environmental Engineering

March 2015: 566pp

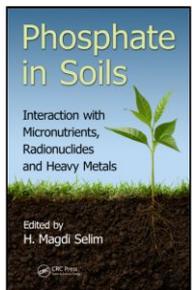
Hb: 978-1-138-00155-8: **\$79.95**

eBook: 978-1-315-77877-8

* For full contents and more information, visit: www.crcpress.com/9781138001558

Phosphate in Soils

Interaction with Micronutrients, Radionuclides and Heavy Metals



Edited by **H. Magdi Selim**, Louisiana State University, Baton Rouge, USA

Series: Advances in Trace Elements in the Environment

Several studies have suggested varied interactions of heavy metals with phosphates in soils and the effects of phosphate on the bioavailability and mobility of heavy metals. Edited by one of the best specialists in soil science, this book focuses on the impact of phosphate on the fate of heavy metals in soils and heavy metals in the soil-water-plant as affected by phosphate. It features coverage of sorption and mobility influenced by the presence of phosphate in the vadose zone.

CRC Press

Market: Environmental Science

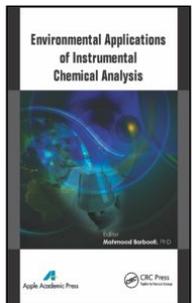
March 2015: 6-1/8 x 9-1/4: 381pp

Hb: 978-1-482-23679-8: **\$139.95**

eBook: 978-1-482-23680-4

* For full contents and more information, visit: www.crcpress.com/9781482236798

Environmental Applications of Instrumental Chemical Analysis



Edited by **Mahmood Barbooti**, Montclair State University, New Jersey, USA

This book is a comprehensive review of the instrumental analytical methods and their use in environmental monitoring site assessment and remediation follow-up operations. The increased concern about environmental issues necessitate the precise determination of various types of chemicals in environmental samples. In general, all stages of environmental work start with the evaluation of organic and inorganic environmental samples. This important book furnishes the fundamentals of instrumental chemical analysis methods to various environmental applications and also covers recent developments in instrumental chemical methods.

Apple Academic Press

Market: Environmental Engineering

March 2015: 6 x 9: 436pp

Hb: 978-1-771-88061-9: **\$149.95**

eBook: 978-1-482-26264-3

* For full contents and more information, visit: www.crcpress.com/9781771880619

1 Volume Set

In-Situ Remediation of Arsenic-Contaminated Sites



Edited by **Jochen Bundschuh**, University of Southern Queensland (USQ), Toowoomba, QLD, Australia & Royal Institute of Technology (KTH), Stockholm, Sweden, **Hartmut M. Holländer**, University of Manitoba, Winnipeg, Canada and **Lena Qiying Ma**, University of Florida, Gainesville, FL, USA

Series: Arsenic in the environment

Providing an introduction, scientific background, case studies and future perspectives of technologies for soils, soil water and groundwater at contaminated sites. Case studies present especially arsenate and arsenite, but also organic arsenic compounds. The work covers geochemical, microbiological and plant ecological solutions for arsenic remediation. ; Part I: Introduction, Background and Remediation Technologies; Part II: Case Studies: Soils; Geogenic, Mining-Related and Anthropogenic Contaminated Sites; Technical, Ecological and Economic Sustainability of In-Situ Remediation; Modeling.

CRC Press

Market: Environmental Engineering

November 2014: 208pp

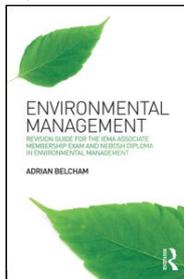
Hb: 978-0-415-62085-7: **\$109.95**

eBook: 978-0-203-12017-0

* For full contents and more information, visit: www.crcpress.com/9780415620857

Environmental Management:

Revision Guide for the IEMA Associate Membership Exam and NEBOSH Diploma in Environmental Management



Adrian Belcham, B.Sc, M.Sc

Through the inclusion of revision tips, exam guidance and self-test questions, this guide will consolidate your understanding of environmental management and help you to prepare for your exam. It provides full coverage for both the IEMA and NEBOSH exams and includes coloured sections to help you to identify the content relevant for each qualification.

Routledge

Market: Health & Safety/Environmental Management

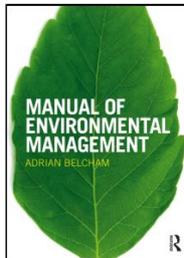
September 2014: 206pp

Pb: 978-1-138-77534-3: **\$34.95**

eBook: 978-1-315-77384-1

* For full contents and more information, visit: www.routledge.com/9781138775343

Manual of Environmental Management



Adrian Belcham, B.Sc, M.Sc

Manual of Environmental Management is a practical guide for those involved in the control and reduction of environmental impacts in organisations. This comprehensive and practical guide takes you through the main environmental challenges organisations face and the improvement strategies used to manage them.

The perfect reference tool for the environmental professional and an invaluable study text for those preparing for professional examinations such as the NEBOSH Environmental Diploma and IEMA Associate Membership Exam.

Routledge

Market: Environmental Management; Health & Safety

September 2014: 354pp

Hb: 978-1-138-01466-4: **\$170.00**

eBook: 978-1-315-77946-1

* For full contents and more information, visit: www.routledge.com/9781138014664

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Engineering Tools for Environmental Risk Management

1. Environmental Deterioration and Contamination - Problems and their Management



Edited by **Katalin Gruiz**, Budapest University of Technology, Budapest, Hungary, **Tamas Meggyes**, Research Coordinator, Berlin, Germany and **Eva Fenyvesi**, Cyclolab, Budapest, Hungary

Industrial, agricultural, residential land uses and the connected discharge of chemical substances cause environmental problems world-wide. This volume provides an overview on the behavior and function of the healthy environment, the capacity of the ecosystem to serve humanity and compensate for adverse changes. The prime contributors to these changes such as production and use of chemical substances, abandoned and contaminated land, chemical agriculture, mining and the complex waste problem are introduced.; The focus of this book is environmental knowledge and its conscious and structured application in environmental management and decision making.

CRC Press

Market: Environmental Engineering

August 2014: 478pp

Hb: 978-1-138-00154-1: \$79.95

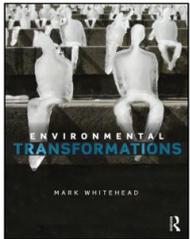
eBook: 978-1-315-77878-5

* For full contents and more information, visit: www.crcpress.com/9781138001541

TEXTBOOK

Environmental Transformations

A Geography of the Anthropocene



Mark Whitehead, University of Aberystwyth, UK

An accessible introduction to themes and issues within the field of environmental geography, to some of the human practices and systems that sustain the anthropocene. This book is combines accounts of the carbon cycle, global heat balances, entropy, hydrology, forest ecology, and pedology, with theories of demography, war, industrial capitalism, urban development, state theory, and behavioural psychology. Beyond the broad focus of this volume on human-environmental relations, the book is primarily devoted to understanding the particular role that geographers, and a geographical point of view, can play in

the critical analysis of the anthropocene.

Routledge

Market: Environmental Studies/Geography

April 2014: 176pp

Hb: 978-0-415-80983-2: \$145.00

Pb: 978-0-415-80984-9: \$63.95

eBook: 978-1-315-83267-8

* For full contents and more information, visit: www.routledge.com/9780415809849

TEXTBOOK

Cities, Disaster Risk and Adaptation



Christine Wamsler, Lund University, Sweden

Series: *Routledge Critical Introductions to Urbanism and the City*

This book addresses the urgent need for re-evaluating current city planning to provide better solutions. With disasters and changing climatic conditions being a product of past developments, responding and adapting effectively to risk is inherently complex. This book explores the complex interrelation between disasters, climate change, and cities, provides an understanding on how to integrate sustainable risk reduction and adaptation into city planning – both in theory and in practice, and analyzes the role that people's coping strategies, urban institutions, and governance can play in addressing increasing disaster risk.

Routledge

Market: Urban Studies/Geography/Development Studies

November 2013: 334pp

Hb: 978-0-415-59102-7: \$150.00

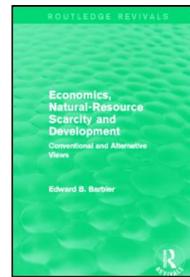
Pb: 978-0-415-59103-4: \$45.95

eBook: 978-0-203-48677-1

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Economics, Natural-Resource Scarcity and Development (Routledge Revivals)

Conventional and Alternative Views



Edward B Barbier, University of Wyoming, USA

Series: *Routledge Revivals*

Unknown

Market: Economic Sustainability/Natural Resources/Environmental Degredation

November 2014: 432pp

Hb: 978-0-415-83764-4: \$130.00

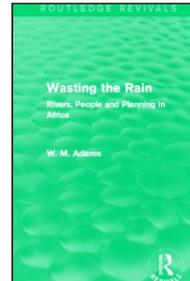
Pb: 978-0-415-84004-0: \$48.95

eBook: 978-0-203-76890-7

* For full contents and more information, visit: www.routledge.com/9780415840040

Wasting the Rain (Routledge Revivals)

Rivers, People and Planning in Africa



Bill Adams, University of Cambridge, UK

Series: *Routledge Revivals*

First published in 1992, this title offers an experienced and constructive evaluation of the ways in which water resources have been developed in Africa. Adams argues that the best hope of productive development lies in working and engaging with local people and using local knowledge of the environment effectively.

Routledge

Market: Environment and Sustainability/Water Resources/African Studies

January 2015: 256pp

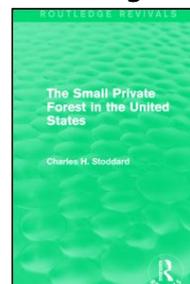
Hb: 978-0-415-71872-1: \$130.00

Pb: 978-0-415-71880-6: \$48.95

eBook: 978-1-315-86786-1

* For full contents and more information, visit: www.routledge.com/9780415718806

The Small Private Forest in the United States (Routledge Revivals)



Charles H. Stoddard

Series: *Routledge Revivals*

Throughout the past few decades, the standard answer to the problem of low productivity in small private forests has been *education*. In this book, first published in 1961, the author takes a sharper look at this problem. He tries to find out what has worked reasonably well, and what has not, and makes some suggestions as to what seems to offer the best prospects for the future. *The Small Private Forest in the United States* will be of interest to students of environmental studies, as well as to private landowners.

Routledge

Market: Environmental Studies/Forestry

February 2015: 172pp

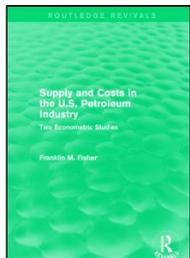
Hb: 978-1-138-85709-4: \$105.00

eBook: 978-1-315-71889-7

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Supply and Costs in the U.S. Petroleum Industry (Routledge Revivals)

Two Econometric Studies



Franklin M. Fisher

Series: Routledge Revivals

Any discussion of the various facets of petroleum policy in the United States rests to a greater or less extent on the issue of sensitivity of petroleum exploration, and hence of new petroleum discoveries to economic incentives. This study attempts to answer the question: how sensitive are new petroleum discoveries to economic incentives? This book will be of interest to students of environmental studies.

Routledge

Market: Environmental Studies/Sustainability/Energy

February 2015; 178pp

Hb: 978-1-138-88724-4: \$105.00

eBook: 978-1-315-71420-2

* For full contents and more information, visit: www.routledge.com/9781138887244

Routledge Handbook of Sustainability and Fashion



Edited by **Kate Fletcher**, Centre for Sustainable Fashion, London College of Fashion, UK and **Mathilda Tham**, Goldsmiths University of London, UK

Series: Routledge International Handbooks

The clothing industry employs 25 million people globally contributing to many livelihoods, yet it is also a significant contributor to the degradation of natural systems, with the associated environmental footprint of clothing high in comparison with other products. This comprehensive Handbook recognizes the complexity of aligning fashion with sustainability. It explores fashion and sustainability at the levels of products, processes, and paradigms and takes a truly multi-disciplinary

approach to critically question and suggest creative responses to issues of fashion in a post-growth society.

Unknown

Market: Sustainability / Fashion / Design

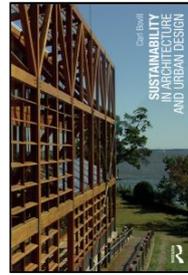
August 2014: 324pp

Hb: 978-0-415-82859-8: **\$225.00**

eBook: 978-0-203-51994-3

* For full contents and more information, visit: www.routledge.com/9780415828598

Sustainability in Architecture and Urban Design



Carl Bovill, University of Maryland, USA

Sustainability in Architecture and Urban Design will help you understand the nature of the sustainability problem and show you how to implement your design for a sustainable future. Organized in six parts, the problem, the environment, the residential scale, the commercial scale, the urban scale, and energy sources, the book presents essential information in context, so that you get the full picture. Hundreds of black and white drawings, sketches, charts, and diagrams illustrate points author Carl Bovill makes in his clear and direct style, which communicates the basics in a concise way.

Routledge

Market: Sustainable Architecture

December 2014: 284pp

Hb: 978-0-415-72492-0: **\$180.00**

Pb: 978-0-415-72495-1: **\$59.95**

eBook: 978-1-315-85695-7

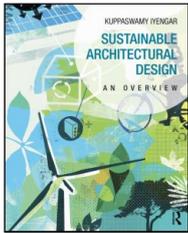
* For full contents and more information, visit: www.routledge.com/9780415724951



TEXTBOOK

Sustainable Architectural Design

An Overview



Kuppaswamy Iyengar, University of New Mexico, Albuquerque, USA

Sustainable Architectural Design is a guide to a resilient design process that moves from theory, to site and energy use, to building systems, and finally to evaluation and case studies, so you can integrate design and technology for effective sustainable building. Kuppaswamy Iyengar shows you how to get it right the first time, use free energy systems, and utilise technologies that minimize fossil fuel use. More than 230 color images including charts, tables, drawings, and photographs, the book shows technologies and concepts integrated into cohesive

project types to demonstrate implementing your designs to meet clients' needs now and for the future.

Routledge

Market: Architecture / Sustainability

May 2015: 304pp

Hb: 978-0-415-70234-8: **\$180.00**

Pb: 978-0-415-70235-5: **\$69.95**

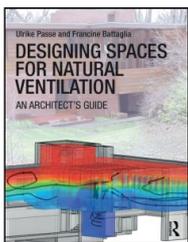
eBook: 978-1-315-75847-3

* For full contents and more information, visit: www.routledge.com/9780415702355



Designing Spaces for Natural Ventilation

An Architect's Guide



Ulrike Passe, Associate Professor of Architecture, Iowa State University, USA and **Francine Battaglia**, Professor of Mechanical Engineering, Virginia Polytechnic Institute and State University, USA

Buildings can breathe naturally, without the use of mechanical systems, if you design the spaces properly. This accessible and thorough guide shows you how in more than 260 color diagrams and photographs illustrating case studies and CFD simulations. You can achieve truly natural ventilation, by considering the building's structure, envelope, energy use, and form, as well as giving the occupants thermal comfort and healthy indoor air.

By using scientific and architectural visualization tools included here, you can develop ventilation strategies without an engineering background. Handy sections that summarize the science, explain rules of thumb, and detail the latest research in thermal and fluid dynamics will keep your designs sustainable, energy efficient, and up-to-date.

Routledge

Market: Sustainable Architecture / HVAC

April 2015: 342pp

Hb: 978-0-415-81775-2: **\$180.00**

Pb: 978-0-415-81777-6: **\$85.00**

eBook: 978-0-203-58347-0

* For full contents and more information, visit: www.routledge.com/9780415817776



TEXTBOOK

Environmental Communication and the Media

Nancy Sami Reist, San Francisco State University, USA

Series: Routledge Studies in Environmental Communication and Media

This book provides readers with a framework for understanding the process of creating and interpreting media messages about environmental topics. The book includes both practical and theoretical information about persuasion, diffusion, audience analysis and adaptation, intercultural and international communication, and media effects. The book outlines strategies for crafting effective messages for distribution through different channels, including both traditional broadcast media and interactive electronic communication channels such as the Internet, mobile media, social media, and games.

Routledge

Market: Environment, Sustainability

November 2015: 360pp

Hb: 978-0-415-72718-1: **\$180.00**Pb: 978-0-415-72719-8: **\$61.95**

eBook: 978-1-315-85559-2

* For full contents and more information, visit: www.routledge.com/9780415727198**Environmental Ethics and Film**

Pat Brereton, Dublin City University, Ireland

Series: Routledge Studies in Environmental Communication and Media

This book explores how a wide range of films and documentaries across Hollywood, European and World cinema pose provocative ethical questions related to the environment and address the environmental challenges of the future. The book's analysis reflects a growing interest in how film represents ecological issues, particularly the apocalyptic dangers of climate change, alongside other related environmental and ethical dilemmas. This accessible and engaging book provides a broad and extensive survey of a wide variety of films in which environmental ethics are, both implicitly and often explicitly, expressed.

Routledge

Market: Environment, Sustainability

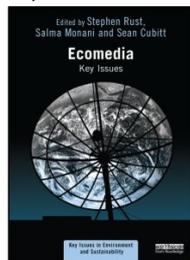
September 2015: 240pp

Hb: 978-0-415-74727-1: **\$155.00**Pb: 978-0-415-74728-8: **\$53.95*** For full contents and more information, visit: www.routledge.com/9780415747288

TEXTBOOK

Ecomedia

Key Issues



Edited by **Stephen Rust**, University of Oregon, USA, **Salma Monani** and **Sean Cubitt**, Goldsmiths, University of London, UK

Series: Key Issues in Environment and Sustainability

This comprehensive textbook introduces the burgeoning canon of ecomedia studies to provide an overview of the interface between environmental issues and the media globally. Linking the world of media production, distribution, and consumption to environmental understandings, the book addresses ecological meanings encoded in media texts, the environmental impacts of media production, and the relationships between media and cultural perceptions of the environment. Each chapter provides a theoretical overview of a distinct type of media before engaging with specific case studies.

Routledge

Market: Environment, Sustainability

August 2015: 264pp

Hb: 978-1-138-78153-5: **\$145.00**Pb: 978-1-138-78155-9: **\$48.95**

eBook: 978-1-315-76982-0

* For full contents and more information, visit: www.routledge.com/9781138781559**Public Perception of Climate Change**

Policy and Communication

Bjoern Hagen, Arizona State University, USA

Series: Routledge Studies in Environmental Communication and Media

Understanding public risk perception plays a vital role in communicating the challenges of global climate change. This book explores the nature of public perceptions of climate change and identifies the perception factors which have a significant impact on the public's willingness to support global climate change policies or commit to behavioral changes to reduce greenhouse gas emissions and improve urban resiliency. The comparative study of social and cultural factors, beliefs, attitudes and trust provides an international overview of best practices regarding the design, implementation and generation of public support for climate change policies at a global level.

Routledge

Market: Environment, Sustainability

September 2015: 224pp

Hb: 978-1-138-79523-5: **\$145.00**

eBook: 978-1-315-75855-8

* For full contents and more information, visit: www.routledge.com/9781138795235**Environmental Communication and Community**

Exploring constructive and destructive dynamics

Edited by **Tarla Rai Peterson**, Texas University, USA, **Hanna Bergeå**, Swedish University of Agricultural Sciences, **Andrea M Feldpausch-Parker**, State University of New York College of Environmental Science and Forestry, USA and **Kaisa Raitio**, Swedish University of Agricultural Sciences

Series: Routledge Studies in Environmental Communication and Media

This book provides a critical examination of the role communication plays in both construction and destruction of community. The authors examine the processes and practices put in play when people who may or may not have previously seen themselves as interconnected, communicate with each other, often in situations where they are competing for the same resource. Drawing upon a diverse selection of case-studies, including joint forest management in East Sikkim, India and natural resource management conflict in the Netherlands and Sweden, the chapters chart a range of key topics, including symbolic construction, modes of organising and the politics of communication.

Unknown

Market: Environment, Sustainability

December 2015: 264pp

Hb: 978-1-138-91386-8: **\$140.00**

eBook: 978-1-315-69117-6

* For full contents and more information, visit: www.routledge.com/9781138913868**Environmental Advertising in China and the USA**

Structures of Desire

Xinghua Li, Babson College, USA

Series: Routledge Studies in Environmental Communication and Media

Situated at the intersection of environmental communication and psychoanalytic theory, this book offers a cross-cultural comparison of green advertising in the world's two largest consumer economies, China and the US. It addresses the different notions of "green", the types of desire that motivate green consumption and how they are shaped by ideological, cultural, and historical differences. Applying a combination of semiotic, rhetorical, and psychoanalytic methods, the book analyses the underlying structures of desire in green advertising and the related psycho-cultural differences between the countries.

Routledge

Market: Environment, Sustainability

September 2015: 224pp

Hb: 978-0-415-74413-3: **\$145.00**

eBook: 978-1-315-79737-3

* For full contents and more information, visit: www.routledge.com/9780415744133

Environmental Communication and Travel Journalism

Consumerism, Conflict and Concern

Lyn McGaurr, University of Tasmania, Australia

Series: *Routledge Studies in Environmental Communication and Media*

Travel journalism about natural attractions is a form of environmental communication. The book seeks to understand how, in whose interests and against what odds discourses of cosmopolitanism and place-branding influence the way travel journalists represent vulnerable and contested environments. Countries and regions that market forests, rivers and wildlife to international tourists drive place-of-origin brand recognition that benefits exporters in other sectors. Place-branding in such destinations is not just PR for environmentally sustainable development and consumption, but also a political enterprise.

Routledge

Market: Environment, Sustainability

August 2015: 208pp

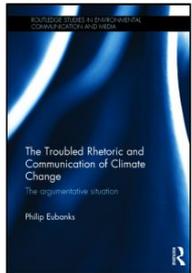
Hb: 978-1-138-77525-1: \$145.00

eBook: 978-1-315-77390-2

* For full contents and more information, visit: www.routledge.com/9781138775251

The Troubled Rhetoric and Communication of Climate Change

The argumentative situation



Philip Eubanks, Northern Illinois University, USA

Series: *Routledge Studies in Environmental Communication and Media*

Focusing on the rhetoric that surrounds the issue of climate change, this groundbreaking book analyses why the debate continues to rage and examines how we should argue when winning the argument really matters. It explains the mutually exacerbating problems that permit many of us greet catastrophic predictions with an equivocal shrug. The book argues that the argumentative situation around climate change makes a certain kind of skepticism – "fair-minded skepticism" – not only possible but likely. It also strikes a hopeful note, reminding us that people

do change their minds in response to effective argumentation that appeals to deeply shared values.

Routledge

Market: Environment, Sustainability

May 2015: 168pp

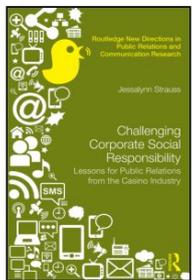
Hb: 978-1-138-84118-5: \$140.00

eBook: 978-1-315-73239-8

* For full contents and more information, visit: www.routledge.com/9781138841185

Challenging Corporate Social Responsibility

Lessons for Public Relations from the Casino Industry



Jessalynn R. Strauss, Xavier University, USA

Series: *Routledge New Directions in Public Relations & Communication Research*

This book examines corporate social responsibility in a particular challenging context. Casino gaming, originally the province of seedy, backdoor establishments in isolated cities, has seen a tremendous global expansion in the past two decades. Given the complex and burgeoning relationship between CSR and corporate PR, this book seeks to illuminate CSR's complexities and contradictions, and the moral obligations which accompany it. This will be of interest to scholars, researchers and educators in the fields of PR and communication, business ethics and the gaming industry.

Routledge

Market: Business & Management

May 2015: 184pp

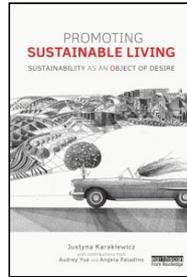
Hb: 978-0-415-70637-7: \$155.00

eBook: 978-1-315-88918-4

* For full contents and more information, visit: www.routledge.com/9780415706377

Promoting Sustainable Living

Sustainability as an Object of Desire



Justyna Karakiewicz, University of Melbourne, Australia, Audrey Yue, University of Melbourne, Australia and Angela Paladino, University of Melbourne, Australia

Series: *Routledge Studies in Sustainability*

This book identifies the factors that motivate people to aspire towards sustainable living and determines the role of communications in persuading people of its benefits. It traces the history of major shifts in our society that have dramatically changed our perceptions, beliefs and attitudes as related to sustainability, and explains why our current desires and dreams need to change. Finally it suggests what could be done to not only make sustainability an object of desire, but also introduce

hopes and dreams for a better future into our everyday lives.

Routledge

Market: Environment, Sustainability / Marketing

May 2015: 222pp

Hb: 978-1-138-01783-2: \$140.00

eBook: 978-1-315-78012-2

* For full contents and more information, visit: www.routledge.com/9781138017832

Corporate Social Responsibility, Sustainability and Public Relations

Negotiating Multiple Complex Challenges



Donnalyn Pompper, Temple University, USA

Series: *Routledge New Directions in Public Relations & Communication Research*

This book probes how/if it is possible for PR practitioners to ethically navigate organizations toward CSR even when outcomes may be inconsistent with organizational self-interest. Importantly, how might PR practitioners recommend *against* doing something that may be consistent with organizational goals but bad for the environment or people?

This book invokes public relations' postmodern and critical theories to inspire and empower public relations practitioners to transform organizations into ethical, authentic and transparent

public sphere members.

Routledge

Market: Business & Management

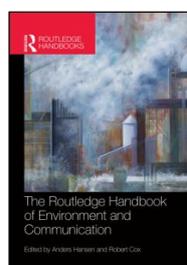
April 2015: 210pp

Hb: 978-0-415-85591-4: \$155.00

eBook: 978-0-203-73387-5

* For full contents and more information, visit: www.routledge.com/9780415855914

The Routledge Handbook of Environment and Communication



Edited by Anders Hansen, University of Leicester, UK and Robert Cox, University of North Carolina at Chapel Hill, USA

This *Handbook* provides a comprehensive reference point for theory, research and practice with regard to environment and communication, with contributors providing international and multi-disciplinary perspectives. It provides critical reviews and appraisals of the current and expected future developments in the field, discussing conceptual and theoretical approaches as well as empirical knowledge and understanding. The *Handbook* engages with and reflects upon how theory and research on environment and communication feeds into the politics of the environment, including through the intersection of academic

research and the practice of environmental communication.

Routledge

Market: Environment Studies

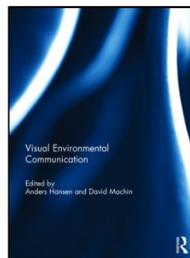
March 2015: 434pp

Hb: 978-0-415-70435-9: \$265.00

eBook: 978-1-315-88758-6

* For full contents and more information, visit: www.routledge.com/9780415704359

Visual Environmental Communication



Edited by **Anders Hansen**, University of Leicester, UK and **David Machin**, Örebro University, Sweden

As one of the first books to comprehensively address visual environmental communication, this book showcases fresh and exciting scholarly analysis, from a range of theoretical and methodological perspectives, of how the environment, nature and associated issues are communicated visually.

This book was published as a special issue of *Environmental Communication: A Journal of Nature and Culture*

Unknown

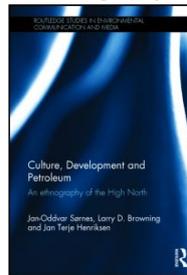
Market: Environmental Communication / Environmental Studies / Visual Arts
December 2014: 170pp

Hb: 978-1-138-80375-6: \$150.00

* For full contents and more information, visit: www.routledge.com/9781138803756

Culture, Development and Petroleum

An Ethnography of the High North



Edited by **Jan-Oddvar Sornes**, Bodø Graduate School of Business at Bodø University, Norway, **Larry Browning**, University of Texas at Austin, USA; University of Nordland, Norway and **Jan Terje Henriksen**

Series: Routledge Studies in Environmental Communication and Media

The discovery, just forty years ago, of vast oil and gas reserves in Norway's Arctic High North region created an economic titan. This original research illustrates the many challenges and opportunities now facing Norway's citizens in a region which the government has designated its top strategic priority. An ethnographic study, the book showcases interviews with 21

representative individuals from the area and reveals the various impacts petroleum development has on their regional economy and culture.

Unknown

Market: Environment, Sustainability
October 2014: 244pp

Hb: 978-1-138-77989-1: \$155.00

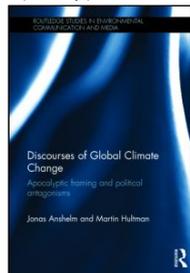
eBook: 978-1-315-77097-0

* For full contents and more information, visit: www.routledge.com/9781138779891



Discourses of Global Climate Change

Apocalyptic framing and political antagonisms



Edited by **Jonas Anshelm**, Linköping University, Sweden and **Martin Hultman**, Linköping University, Sweden

Series: Routledge Studies in Environmental Communication and Media

This book demonstrates the media's role in the creation of dominant discourses on climate change and examines the arguments made by political actors in the mass media arena. Using in-depth empirical research of Sweden, a country considered by the international political community to be a frontrunner in tackling climate change, the book analyses the worldwide climate change debate. This highly original and detailed study focuses on opinion leaders and the way discourses

are framed in the climate change debate, making it valuable reading for students and scholars of environmental communication and media as well environmental policy and politics.

Unknown

Market: Environment, Sustainability
November 2014: 202pp

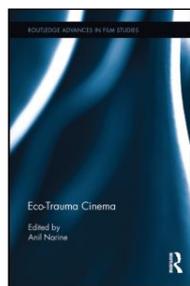
Hb: 978-1-138-78131-3: \$140.00

eBook: 978-1-315-76999-8

* For full contents and more information, visit: www.routledge.com/9781138781313



Eco-Trauma Cinema



Edited by **Anil Narine**, University of Toronto, Canada

Series: Routledge Advances in Film Studies

This book investigates film's complex role in representing ecological traumas. Contributors to this volume engage with eco-trauma cinema in its three general forms: accounts of people who are traumatized by the natural world, narratives that represent people or social processes which traumatize the environment or its species, and stories that depict the aftermath of ecological catastrophe. The films they examine represent a central challenge of our age: to overcome our disavowal of environmental crises, to reflect on the unsavoury forces reshaping the earth, and to restructure the mechanisms responsible for the state of the earth.

Routledge

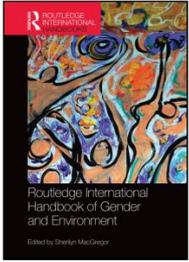
Market: Film Studies/Environmental Studies/Trauma Studies
October 2014: 6 x 9: 258pp

Hb: 978-1-138-79139-8: \$140.00

eBook: 978-1-315-76281-4

* For full contents and more information, visit: www.routledge.com/9781138791398

Routledge International Handbook of Gender and Environment



Edited by **Sherilyn MacGregor**, Keele University, UK
 Series: *Routledge International Handbooks*

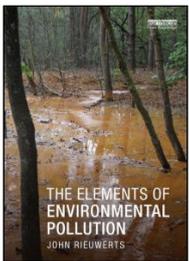
This handbook gathers together state-of-the-art theoretical reflection and empirical research by a group of leading international scholars working in the interdisciplinary field of gender and environment. It provides both a comprehensive overview of recent research in this dynamic field of scholarship and a compelling response to critics who have dismissed 'ecofeminism' as a marginal stance. Through the inclusion of authors from Europe and the Global South, who have a range of fresh perspectives and research contexts, the book also challenges the conventional American framing of gender and environment and ecofeminist literature.

Routledge
Market: Environment, Sustainability
 October 2015: 504pp
 Hb: 978-0-415-70774-9: **\$205.00**
 eBook: 978-1-315-88657-2

* For full contents and more information, visit: www.routledge.com/9780415707749

TEXTBOOK

The Elements of Environmental Pollution



John Rieuwerts, Plymouth University, UK

This clear and user-friendly text explains the nature and extent of environmental pollution and provides the necessary scientific background in environmental chemistry and biogeochemistry. A key feature of the book is its structural focus on individual elements, their natural and anthropogenic pathways around the earth system and the real world consequences of this dynamic flow. This clearly written and comprehensive text contains a wealth of features to assist student learning, including end of chapter summaries and questions, suggestions for further reading and relevant websites, as well as a companion website providing additional resources.

Routledge
Market: Environment, Sustainability
 April 2015: 326pp
 Hb: 978-0-415-85919-6: **\$170.00**
 Pb: 978-0-415-85920-2: **\$59.95**
 eBook: 978-0-203-79869-0

* For full contents and more information, visit: www.routledge.com/9780415859202



Hope and Grief in the Anthropocene

Re-conceptualising Human-Nature Relations

Lesley Head

Series: *Routledge Research in the Anthropocene*

The Anthropocene is a potentially catastrophic age and demands new ways of thinking about relations between humans and the nonhuman world. This book explores how responses to environmental challenges are hampered by a grief for a pristine and certain past, rather than considering the scale of the necessary socioeconomic change for a 'future' world. Conceptualisations of human-nature relations must recognise both human power and its embeddedness within material relations. As centralised intergovernmental solutions regarding climate change appear insufficient, intellectual resources can be derived from localised understandings and practice to consider capacity and vulnerability in new ways.

Routledge
Market: Geography/Environmental studies
 November 2015
 Hb: 978-1-138-82644-1: **\$145.00**
 eBook: 978-1-315-73933-5

* For full contents and more information, visit: www.routledge.com/9781138826441

Contemporary Perspectives on Ecofeminism

Edited by **Mary Phillips**, University of Bristol, UK and **Nick Rumens**, University of Bristol, UK

Series: *Routledge Explorations in Environmental Studies*

This book provides a much-needed comprehensive overview of the relevance and value of using eco-feminist theories. It gives a broad coverage of traditional and emerging theories and explores their various contributions. The book discusses the origins of influential eco-feminist theories including key themes and some of its leading figures (contributors include Erika Cudworth, Greta Gaard, Trish Glazebrook and Ariel Salleh), and outlines its influence on how scholars might come to a more generative understanding of the natural environment, examining eco-feminism's potential contribution for advancing current discussions on the human world.

Routledge
Market: Environment, Sustainability / Sociology / Gender / Business
 October 2015: 224pp
 Hb: 978-1-138-01974-4: **\$140.00**
 eBook: 978-1-315-77868-6

* For full contents and more information, visit: www.routledge.com/9781138019744

Global Corruption Report: Sport

Edited by **Transparency International**, Transparency International, Germany

The Global Corruption Report on sport is the most comprehensive analysis of sports corruption to date, providing essential analysis for understanding the corruption risks in sport. It assesses the state-of-play in sports governance, major events and match fixing, in order to present tools and strategies to address these forms of corruption at all levels. In addition to measuring transparency and accountability safeguards, the GCR gives priority to stakeholder participation, from sponsors to athletes to supporters, as an essential element for strengthening integrity and trust in sport.

Unknown
Market: Sport/Corruption/Policy
 December 2015: 6.7 x 9.5: 264pp
 Hb: 978-1-138-90589-4: **\$140.00**
 Pb: 978-1-138-90592-4: **\$59.95**
 eBook: 978-1-315-69570-9

* For full contents and more information, visit: www.routledge.com/9781138905924

Marginality and Disaster

JC Gaillard, University of Auckland, NZ.

Series: *Routledge Studies in Hazards, Disaster Risk and Climate Change*

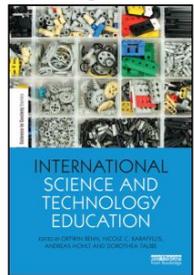
This book provides a conceptual framing of the multiple, tangled and complex interactions between marginality and disaster. It explores marginal places through case studies of slum settlements and prisons, and marginalised social groups, including gender minorities and homeless people. The argument moves beyond the picture of vulnerability to also portray resistance and hope through the concept of capacities, which emphasises that those marginalised and living in marginal places display knowledge, skills and resources in facing hazards and disasters, including small-scale events.

Routledge
Market: Geography/Disaster Studies
 September 2015: 215pp
 Hb: 978-1-138-80562-0: **\$145.00**
 eBook: 978-1-315-75216-7

* For full contents and more information, visit: www.routledge.com/9781138805620

International Science and Technology Education

Exploring Culture, Economy and Social Perceptions



Edited by **Ortwin Renn**, University, Germany, **Nicole C. Karafyllis**, Technische Universität Braunschweig, Germany, **Andreas Hohlt**, Berlin-Brandenburg Academy of Sciences, Germany and **Dorothea Taube**, Berlin-Brandenburg Academy of Sciences, Germany

Series: *The Earthscan Science in Society Series*

Education in science, technology and mathematics (STEM) is crucial for taking advantage of the prospects of new scientific discoveries and technological changes, as well as managing their associated risks. This book explores the emerging perspectives and methodologies of STEM education and its relationship to cultural understanding of science and technology

in international context. The authors provide a unique perspective on the subject, presenting materials and experiences from non-European industrialized as well as industrializing countries including China, Japan, South Korea, India, Egypt, Brazil and the USA.

Routledge

Market: STS / Education

June 2015: 256pp

Hb: 978-1-138-88737-4: \$145.00

eBook: 978-1-315-71417-2

* For full contents and more information, visit: www.routledge.com/9781138887374

The Atlas of Environmental Migration

François Gemenne, Institute for Sustainable Development and International Relations, France, **Dina Ionesco**, Policy officer, International Organisation for Migration (IOM), and **Daria Mokhnacheva**, Project support officer, International Organisation for Migration (IOM)

Climate change has a significant and direct impact on human migration. This atlas provides a comprehensive and illustrated account of environmental migration worldwide, supported by expert analysis and presented in an accessible and informative way. *The Atlas of Environmental Migration* is the first and only illustrated book that maps environmental migration, clarifies terminology and concepts, draws a typology of migration related to environmental and climate change, describes the multiple factors at play, explains the challenges, and highlights the opportunities related to this phenomenon.

Routledge

Market: Environment, Sustainability

September 2015: 192pp

Hb: 978-1-138-02205-8: \$160.00

Pb: 978-1-138-02206-5: \$58.95

eBook: 978-1-315-77731-3

* For full contents and more information, visit: www.routledge.com/9781138022065



The Social Challenges and Opportunities of Low Carbon Development

Johan Nordensvärd, London School of Economics and Political Science, UK

Series: *Routledge Studies in Low Carbon Development*

This book uniquely explores the social implications and challenges of low carbon and addresses how low carbon development can be realized while also achieving poverty reduction and social justice. It aims to explore, critically analyse and propose different strategies for how low carbon development could become socially viable in both developed and developing countries. The book presents the latest conceptual and empirical evidence on the social implications and issues of low carbon development. It serves both as a comprehensive introduction to the social and economic aspects of development and how these can be combined with low carbon efforts.

Unknown

Market: Climate Change / Development / Sociology

May 2015: 224pp

Hb: 978-0-415-73836-1: \$145.00

eBook: 978-1-315-81742-2

* For full contents and more information, visit: www.routledge.com/9780415738361

The Politics of Ecosocialism

Transforming welfare

Edited by **Kajsa Borgnäs**, Potsdam University, Germany, **Teppo Eskelinen**, University of Eastern Finland, Finland, **Johanna Perkiö**, University of Tampere, Finland and **Rikard Warlenius**, Lund University, Sweden

Series: *Routledge Explorations in Environmental Studies*

This book discusses the idea of "red-green" or "eco-socialist" society and how to get there. In examining today's crises of welfare capitalism as well as the challenges and conflicts of an eco-socialist society, the book analyses a social order that would combine the ideals of egalitarianism and of environmental sustainability. The book discusses the key social and ecological issues related to the welfare state, including green Keynesianism, ecological Marxism, the limits of growth and no-growth, capitalist barriers to a renewable energy transition, proposals for a universal basic income and the role of technology.

Routledge

Market: Environment, Sustainability

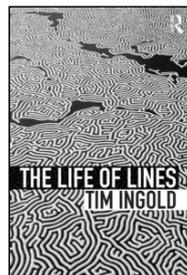
May 2015: 232pp

Hb: 978-1-138-81046-4: \$140.00

eBook: 978-1-315-74947-1

* For full contents and more information, visit: www.routledge.com/9781138810464

The Life of Lines



Tim Ingold, University of Aberdeen, UK

To live, every being must put out a line, and in life these lines tangle with one another. This book is a study of the life of lines. Following on from Tim Ingold's groundbreaking work *Lines: A Brief History*, it offers a wholly original series of meditations on life, ground, weather, walking, imagination and what it means to be human.

Routledge

Market: Anthropology

April 2015: 172pp

Hb: 978-0-415-57685-7: \$140.00

Pb: 978-0-415-57686-4: \$44.95

eBook: 978-1-315-72724-0

* For full contents and more information, visit: www.routledge.com/9780415576864



The Coming of Age of the Green Community

My neighbourhood, my planet



Erik Bichard, University of Salford, UK

Series: *Routledge Explorations in Environmental Studies*

What makes some people devote valuable time to making plans, raising money and making changes in their local community in order to protect and enhance their environment? This book explores the reasons for the loss of faith in governments to solve global and local environmental problems, the motivations behind those who decide to set up community-scale environment organizations and the strategies that keep groups going through challenging circumstances.

Routledge

Market: Environment, Sustainability

March 2015

Hb: 978-0-415-51761-4: \$140.00

Pb: 978-1-138-91515-2: \$44.95

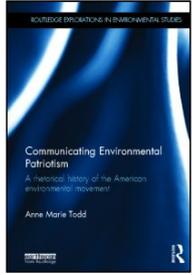
eBook: 978-0-203-10947-2

* For full contents and more information, visit: www.routledge.com/9781138915152



Communicating Environmental Patriotism

A Rhetorical History of the American Environmental Movement



Anne Marie Todd, San José State University, USA
Series: *Routledge Explorations in Environmental Studies*

Environmental patriotism, the belief that the national environment defines a country's greatness, is a significant strand in twentieth century American environmentalism. This book questions what it means to be an environmentalist in America, arguing that environmental patriotism can mobilize America's green consciousness, thereby providing a new history of the American environmental movement. A rhetorical history, this book is the first to explore the history of environmental patriotism in America through the intriguing stories of environmental patriots and the rhetoric of their speeches and

propaganda.

Routledge

Market: Environment, Sustainability

March 2015

Hb: 978-0-415-82809-3: \$140.00

Pb: 978-1-138-91556-5: \$53.95

eBook: 978-0-203-52169-4

* For full contents and more information, visit: www.routledge.com/9781138915565



A Political Ecology of Women, Water and Global Environmental Change



Edited by Stephanie Buechler, University of Arizona, USA and Anne-Marie S. Hanson, University of Illinois Springfield, USA

Series: *Routledge International Studies of Women and Place*

The deterioration of water quality, rising temperatures, and changes in the seasonality, quantity, and duration of precipitation increasingly alters human, animal and plant demand for water resources. This edited volume explores how a feminist political ecology framework can bring new and exciting insights to the study of livelihoods dependent on vulnerable rivers, watersheds, wetlands and coastal environments. Bringing together political ecologists and feminist scholars from multiple disciplines, the

book develops solution-oriented advances to theory, policy and planning to tackle the complexity of these global environmental changes.

Routledge

Market: Environment, Sustainability

March 2015: 262pp

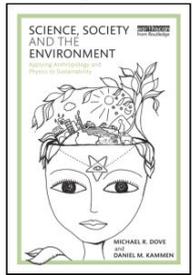
Hb: 978-0-415-74935-0: \$155.00

eBook: 978-1-315-79620-8

* For full contents and more information, visit: www.routledge.com/9780415749350

Science, Society and the Environment

Applying Anthropology and Physics to Sustainability



Michael R. Dove, Yale School of Forestry and Environmental Studies, USA and Daniel M. Kammen, University of California, Berkeley, USA

The convergence of social and environmental challenges is making us ever more aware of the limitations of a natural science that looks mostly at the physical environment and of a social science that looks mostly at human society. This book comes at an opportune time for collaboration between experts from the two fields. It contains detailed case studies, coupled with sophisticated analyses of theory and policy, focussing on the exchanges between natural and social science. This novel and well-structured textbook illustrates how different environmental issues and policies can be tackled in a collaborative way between

natural and social science.

Routledge

Market: Environment, Sustainability, Natural Resources

March 2015: 164pp

Hb: 978-0-415-71598-0: \$155.00

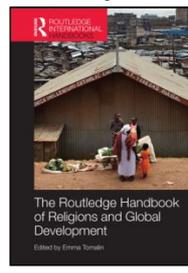
Pb: 978-0-415-71599-7: \$53.95

eBook: 978-1-315-88039-6

* For full contents and more information, visit: www.routledge.com/9780415715997



The Routledge Handbook of Religions and Global Development



Edited by Emma Tomalin, University of Leeds, UK

Series: *Routledge International Handbooks*

This *Handbook* provides a cutting-edge survey of the current state of research on religions and development and interactions between religions and development. It uniquely looks at religions in context when thinking about their relationships to development. Different religious traditions are situated within actual locations and case studies thus allowing a better understanding of their relationships to development. Taking a global approach, the *Handbook* covers Africa, Latin America, South Asia, East/South-East Asia and the Middle East.

Routledge

Market: Development Studies / Religion / Anthropology

January 2015: 458pp

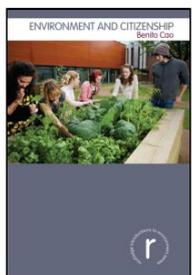
Hb: 978-0-415-83636-4: \$215.00

eBook: 978-0-203-69444-2

* For full contents and more information, visit: www.routledge.com/9780415836364

TEXTBOOK

Environment and Citizenship



Benito Cao, University of Adelaide, Australia

Series: *Routledge Introductions to Environment: Environment and Society Texts*

The increasing awareness of the human impact on the environment is having a profound effect on the concept of citizenship – one of the fundamental institutions that structures human relations. In what is the first introduction of its kind, this book provides an accessible, stimulating and multidimensional overview of the ways in which concern for the environment – primarily driven by the preoccupation with sustainability – is reshaping our understanding of citizenship. This original and engaging text is essential reading for students and scholars of environmental politics, sustainability studies and development studies, as well as for environmental activists and policy practitioners.

Routledge

Market: Environmental Politics/Environmental Studies

March 2015: 290pp

Hb: 978-0-415-63779-4: \$145.00

Pb: 978-0-415-63780-0: \$52.95

eBook: 978-0-203-08433-5

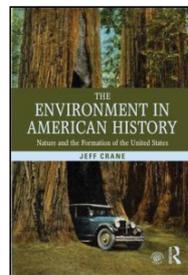
* For full contents and more information, visit: www.routledge.com/9780415637800



TEXTBOOK

The Environment in American History

Nature and the Formation of the United States



Jeff Crane, University of the Incarnate Word, San Antonio, USA

The Environment in American History is a detailed environmental history of America from the era prior to European contact to the present day. Jeff Crane shows the critical role of nature and the natural wealth of the continent in determining the type of society that emerged in the New World, and in America's rise to wealth and power.

In chronologically focused chapters bolstered with primary documents, Crane discusses land use, environmental change, destruction of habitats and species, the impact of environmental change on humans, and responses of the United States to the destruction of nature, showing students how our society has

always been related to our environment.

Routledge

Market: American History/Environmental Studies

December 2014: 7 x 10: 440pp

Hb: 978-0-415-80871-2: \$160.00

Pb: 978-0-415-80872-9: \$49.95

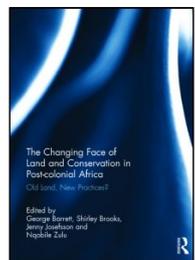
eBook: 978-1-315-81732-3

* For full contents and more information, visit: www.routledge.com/9780415808729



The Changing Face of Land and Conservation in Post-colonial Africa

Old Land, New Practices?



Edited by **George Barrett**, Rhodes University, South Africa, **Shirley Brooks**, University of the Western Cape, South Africa, **Jenny Josefsson**, University of the Free State, South Africa and **Nqobile Zulu**, University of Witwatersrand, South Africa

This book features innovative research on the effects of a range of contemporary conservation practices in such diverse locations as Uganda, Zambia and South Africa, showing how nature is being commodified and old land reconfigured, often to meet neoliberal conservation agendas.

This book was published as a special issue of the *Journal of Contemporary African Studies*

Unknown

Market: Environmental Issues / African Studies / Rural Studies

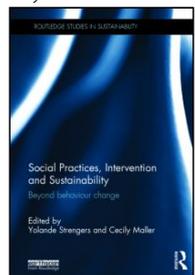
December 2014: 196pp

Hb: 978-1-138-83273-2: **\$145.00**

* For full contents and more information, visit: www.routledge.com/9781138832732

Social Practices, Intervention and Sustainability

Beyond behaviour change



Edited by **Yolande Strengers**, RMIT University, Australia and **Cecily Maller**, RMIT University, Australia

Series: Routledge Studies in Sustainability

A key criticism levelled at social practice theorists is their seeming inability or reluctance to inform strategies and policies that seek to intervene in the trajectories of practices to address 'real-world' policy problems. In addressing this gap, the contributors in this ground-breaking edited collection take theories of social practice into new territory, seeking to identify opportunities to disrupt, reorient or otherwise redirect social practices in more sustainable directions. In doing so, it addresses critical questions such as whether it is indeed possible to intervene in, or govern, social

practices, and if so, what this might involve.

Unknown

Market: Environment, Sustainability / Sociology

November 2014: 208pp

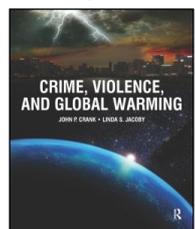
Hb: 978-0-415-73963-4: **\$140.00**

eBook: 978-1-315-81649-4

* For full contents and more information, visit: www.routledge.com/9780415739634

TEXTBOOK

Crime, Violence, and Global Warming



John P. Crank, University of Nebraska-Omaha, USA and **Linda S. Jacoby**, University of Nebraska, Omaha, USA

Crime, Violence, and Global Warming introduces the many connections between climate change and criminal activity. Conflict over natural resources can escalate to state and non-state actors, resulting in wars, asymmetrical warfare, and terrorism. Crank and Jacoby apply criminological theory to each aspect of this complicated web, helping readers to evaluate conflicting claims about global warming and to analyze evidence of the current and potential impact of climate change on conflict and crime. This fresh approach to the criminology of climate

change challenges readers to examine all sides of this controversial question and to formulate their own analysis of our planet's future.

Routledge

Market: Criminal Justice / Violence / Global Warming

September 2014: 7-1/2 x 9-1/4: 296pp

Pb: 978-0-323-26509-6: **\$49.95**

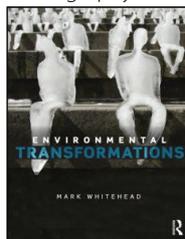
eBook: 978-0-124-20081-4

* For full contents and more information, visit: www.routledge.com/9780323265096

TEXTBOOK

Environmental Transformations

A Geography of the Anthropocene



Mark Whitehead, University of Aberystwyth, UK

An accessible introduction to themes and issues within the field of environmental geography, to some of the human practices and systems that sustain the anthropocene. This book is combines accounts of the carbon cycle, global heat balances, entropy, hydrology, forest ecology, and pedology, with theories of demography, war, industrial capitalism, urban development, state theory, and behavioural psychology. Beyond the broad focus of this volume on human-environmental relations, the book is primarily devoted to understanding the particular role that geographers, and a geographical point of view, can play in

the critical analysis of the anthropocene.

Routledge

Market: Environmental Studies/Geography

April 2014: 176pp

Hb: 978-0-415-80983-2: **\$145.00**

Pb: 978-0-415-80984-9: **\$63.95**

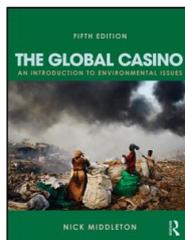
eBook: 978-1-315-83267-8

* For full contents and more information, visit: www.routledge.com/9780415809849

5th Edition - TEXTBOOK

The Global Casino, Fifth Edition

An Introduction to Environmental Issues



Nick Middleton, University of Oxford, UK

This book gives an introduction to environmental issues, with both the workings of the physical environment and the political, economic and social frameworks in which the issues occur. The fifth edition has been fully revised and updated throughout, with new case studies, figures, and online resources such as downloadable figures and tables from the text and multiple choice questions for students. New topics covered in extended boxed case studies include payment for environmental services, ocean acidification, biofuels in Brazil, waste reduction through industrial symbiosis, and the long-term impact of natural disasters on vulnerable groups. Other approaches and concepts covered for the first time in this new edition include traditional ecological knowledge, environmental justice, the 'resource curse', and urban biodiversity.

Routledge

Market: Environmental Studies/Geography

April 2013: 640pp

Hb: 978-0-415-82662-4: **\$170.00**

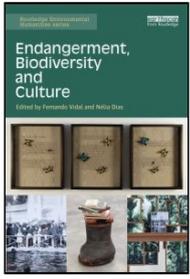
Pb: 978-1-444-14662-2: **\$64.00**

eBook: 978-0-203-52924-9

Prev. Ed Pb: 978-0-340-95716-5

* For full contents and more information, visit: www.routledge.com/9781444146622

Endangerment, Biodiversity and Culture



Edited by **Fernando Vidal**, Autonomous University of Barcelona, Spain and **Nélia Dias**, Lisbon University Institute, Portugal

Series: *Routledge Environmental Humanities*

This book explores the notion of endangerment which stands at the heart of a network of concepts, values and practices dealing with objects considered threatened by extinction, and with the procedures aimed at preserving them. It looks at some of the fundamental ways in which this process involves science, but also more than science: not only data and knowledge and institutions, but also affects and values. With a focus on endangerment sensibility, it encapsulates tensions between the

normative and the utilitarian, the natural and the cultural.

Routledge

Market: Environment, Sustainability / History / Anthropology

July 2015: 296pp

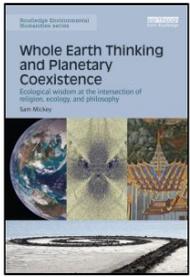
Hb: 978-1-138-84741-5: \$155.00

eBook: 978-1-315-72682-3

* For full contents and more information, visit: www.routledge.com/9781138847415

Whole Earth Thinking and Planetary Coexistence

Ecological wisdom at the intersection of religion, ecology, and philosophy



Sam Mickey, University of San Francisco, USA

Series: *Routledge Environmental Humanities*

This book focuses on newly emerging approaches to ecology that cross the disciplinary boundaries of sciences and humanities with the aim of responding to the challenges facing the current era of planetary interconnectedness. It introduces concepts that draw out a creative contrast between religious and secular approaches to the integration of sciences and humanities, with religious approaches represented by the "geologian" Thomas Berry and the whole Earth thinking of Stephanie Kaza, and the more secular approaches represented by the "geophilosophy" of poststructuralist theorists Gilles Deleuze and Félix Guattari.

Routledge

Market: Religion / Philosophy / Ecology

July 2015: 192pp

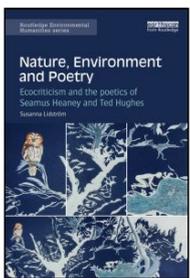
Hb: 978-1-138-88854-8: \$140.00

eBook: 978-1-315-71335-9

* For full contents and more information, visit: www.routledge.com/9781138888548

Nature, Environment and Poetry

Ecocriticism and the poetics of Seamus Heaney and Ted Hughes



Susanna Lidström, KTH Royal Institute of Technology, Stockholm

Series: *Routledge Environmental Humanities*

This ecocritical book traces the environmental sensibilities of two Anglophone poets; Nobel Prize-winner Seamus Heaney (1939-2013), and Ted Hughes (1930-1998), one of the 20th century's great English poets. It follows how their respective careers follow the accelerating environmental crises of the 20th century, and how their poems address the relationship between language and ecology, nature and nation, human and animal. While both have been well-studied by critical thinkers before, this book reads their poems afresh for their understandings of

local places and global crisis in the century of the environment.

Routledge

Market: Environment/ Ecocriticism/ Environmental Humanities

June 2015: 168pp

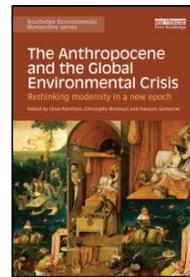
Hb: 978-1-138-77524-4: \$140.00

eBook: 978-1-315-77391-9

* For full contents and more information, visit: www.routledge.com/9781138775244

The Anthropocene and the Global Environmental Crisis

Rethinking modernity in a new epoch



Edited by **Clive Hamilton**, Charles Sturt University, Australia., **François Gemenne**, Institute for Sustainable Development and International Relations, France and **Christophe Bonneuil**

Series: *Routledge Environmental Humanities*

This book captures some of the radical new thinking prompted by the arrival of the Anthropocene and opens up the social sciences and humanities to the profound meaning of the new geological epoch, the 'Age of Humans'. It presents some of the challenges and difficult questions posed by the convergence of geological and human history. As well as calling for a greater reflexivity when talking about the Anthropocene, it shows that what has been represented as the impact of the human species

on its environment is fundamentally a political issue, raising questions about power, global distribution and environmental justice.

Routledge

Market: Environment, Sustainability / Politics

May 2015: 208pp

Hb: 978-1-138-82123-1: \$140.00

Pb: 978-1-138-82124-8: \$49.95

eBook: 978-1-315-74342-4

* For full contents and more information, visit: www.routledge.com/9781138821248



Water Politics and Spiritual Ecology

Custom, environmental governance and development

Lisa Palmer, University of Melbourne, Australia

Series: *Routledge Explorations in Environmental Studies*

This book addresses a critical need for a sustained geographical and anthropological inquiry into the social issues of water governance. Exploring the ritual ecological practices, contexts and scales through which use, negotiation over and sharing of water occurs at the local level, this book shows the complex functioning and social, cultural, economic and environmental interdependencies of hydrological societies. It examines the difficulties local communities face in having their rights recognised and their efforts to maintain and assert control of their waterscapes in the face of rapidly changing water governance institutions.

Routledge

Market: Environment / Asia / Water

May 2015: 240pp

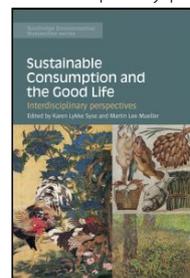
Hb: 978-0-415-71351-1: \$140.00

eBook: 978-1-315-88325-0

* For full contents and more information, visit: www.routledge.com/9780415713511

Sustainable Consumption and the Good Life

Interdisciplinary perspectives



Edited by **Karen Lykke Syse**, University of Oslo, Norway and **Martin Lee Mueller**, University of Oslo, Norway

Series: *Routledge Environmental Humanities*

Written by an international team of contributors from Scandinavia, Germany, the UK, and the US, this book examines in-depth the relationship between sustainability and the good life. It explores where contemporary visions of the sustainable good life come from; what functions they serve; how they are expressed in current transition processes; and whether a sustainable and satisfying life is possible for all. It frames the eco "crisis" in an optimistic way, showing it to be full of potential for creative unfolding and democratic participation at all levels – personal, community, and societal.

Unknown

Market: Environment, Sustainability, Food

December 2014: 266pp

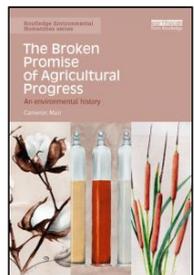
Hb: 978-1-138-01300-1: \$140.00

eBook: 978-1-315-79552-2

* For full contents and more information, visit: www.routledge.com/9781138013001

The Broken Promise of Agricultural Progress

An Environmental History



Cameron Muir, Australian National University, Australia

Series: *Routledge Environmental Humanities*

Food and the global agricultural system has become one of the defining public concerns of the twenty-first century. This book examines the ecological disorder and inequity at the heart of our food system. It tells the story of how the development of modern agriculture promised ecological and social stability but instead descended into dysfunction. Contributing to knowledge in environmental, cultural and agricultural histories, it explores how people have tried to live in the aftermath of 'ecological imperialism'.

Routledge

Market: Environment / History / Food and Agricultural studies

May 2014: 230pp

Hb: 978-0-415-73157-7: \$145.00

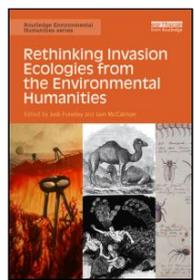
Pb: 978-0-415-73158-4: \$48.95

eBook: 978-1-315-84967-6

* For full contents and more information, visit: www.routledge.com/9780415731584



Rethinking Invasion Ecologies from the Environmental Humanities



Edited by Jodi Frawley, University of Sydney, Australia and Iain McCalman, University of Sydney, Australia

Series: *Routledge Environmental Humanities*

Research from a uniquely humanist perspective has much to offer in interrogating the social and cultural ramifications of invasion ecologies. This book addresses the ongoing community concerns about invasive species and the ecological changes that we will together face in a climate changing world. It demonstrates beautifully how the environmental humanities can meaningfully impact discourse on environmental degradation. It allows us to rethink what has been a longstanding problem in global environmental history: the impact on national,

regional or local ecologies of the deliberate or accidental introduction of foreign species, plant and animal.

Routledge

Market: Environmental Humanities / Ecology / Conservation

February 2014: 288pp

Hb: 978-0-415-71656-7: \$155.00

Pb: 978-0-415-71657-4: \$50.95

eBook: 978-1-315-87964-2

* For full contents and more information, visit: www.routledge.com/9780415716574



International Environmental Law-making and Diplomacy

Edited by **Ed Couzens**, University of KwaZulu-Natal, South Africa, **Tuula Honkonen**, Independent Researcher, Finland, **Tuomas Kuokkanen**, University of Eastern Finland, Finland and **Melissa Lewis**, Tilburg University; Netherlands and University of KwaZulu-Natal, South Africa

For the last decade the University of Eastern Finland and United Nations Environment Programme have jointly run an annual Course on Multilateral Environmental Agreements. To date this has been taken by delegates from more than 100 countries, including postgraduate students and early to mid-career diplomats. This book represents a synthesis of the most important contributions to the course, focusing on international environmental law-making, diplomacy and negotiating techniques. All papers, many by leading diplomats and lawyers as well as academics, have been thoroughly revised and updated by the editors.

Unknown

Market: Law / Environment & Sustainability

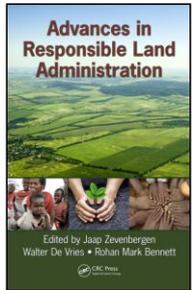
November 2015: 288pp

Hb: 978-1-138-85124-5: **\$145.00**

eBook: 978-1-315-72420-1

* For full contents and more information, visit: www.routledge.com/9781138851245

Advances in Responsible Land Administration



Edited by **Jaap Zevenbergen**, **Walter De Vries** and **Rohan Mark Bennett**

This book discusses new empirical findings surrounding the design and evaluation of responsible land administration approaches. Land administration, the domain studying the relationship between land, people, and information, is in the midst of a paradigm shift. Conventional approaches for measuring land parcels and recording information about land parcels do not work for most of the world's population. Innovative approaches, enabled by low-cost geo-spatial technology and fast track procedures, are changing the way land administrators think and work, particularly in one of the world's fastest developing regions, Eastern Africa.

CRC Press

Market: Environmental Science

August 2015: 6-1/8 x 9-1/4: 328pp

Hb: 978-1-498-71959-9: **\$129.95**

eBook: 978-1-498-71961-2

* For full contents and more information, visit: www.crcpress.com/9781498719599

Energy Law and the Sustainable Company

Innovation and Corporate Social Responsibility

Patricia Park, Southampton Solent University, UK and **Duncan Magnus Park**, Leogriff AS, Norway

Series: Routledge Research in Sustainability and Business

This book considers the decision-making of multinational corporations aiming to create a sustainable company. Focusing on innovation, technology transfer and the use of intangible assets, the book features case studies from the oil and gas and renewable energy sectors, as well as engineering, financial services, retail, property professionals and insurance, to illustrate how to develop a sustainable business. Considering corporate social responsibility from the perspective of international and national law, the book demonstrates how companies can be both profitable and ethical using the triple bottom line.

Routledge

Market: Environment, Sustainability

November 2015: 224pp

Hb: 978-1-138-78594-6: **\$145.00**

eBook: 978-1-315-76578-5

* For full contents and more information, visit: www.routledge.com/9781138785946

TEXTBOOK

Animals, Welfare and the Law

Fundamental Principles for Critical Assessment

Ian A. Robertson, Barrister, Solicitor and Veterinarian, New Zealand

In this objective, practical and authoritative introductory text the author reveals how the fundamental principles of the human-animal relationship drive the development of animal law. The author identifies 29 key principles which constitute the core knowledge necessary for informing animal welfare law. The book also considers animal welfare and law in the context of a global market through discussion of common issues such as climate change, biosecurity, food safety and food supply. It book combines insights from science, ethics and law to provide an essential understanding of what informs society and the law with regards to animals and their welfare.

Routledge

Market: Law / Veterinary Medicine

July 2015: 320pp

Hb: 978-0-415-53562-5: **\$155.00**

Pb: 978-0-415-53563-2: **\$53.95**

eBook: 978-0-203-11231-1

* For full contents and more information, visit: www.routledge.com/9780415535632



Negotiating the Environment

Civil Society, Globalisation and the UN

Lauren Eastwood, State University of New York, Plattsburgh, USA

Series: Routledge Research in Global Environmental Governance

Civil society participants have voiced concerns that the environmental problems that became apparent at the multilateral environmental agreements of the 1992 Rio processes are not serving to ameliorate global environmental problems. These concerns raise significant questions regarding the utility of negotiating agreements through the UN. This book elucidates the complexity of how participants engage in these negotiations through the various processes that take place under the auspices of the UN – primarily those related to climate, biodiversity and forest agreements.

Routledge

Market: Environment, Sustainability

January 2016: 240pp

Hb: 978-0-415-66056-3: **\$140.00**

eBook: 978-0-203-07397-1

* For full contents and more information, visit: www.routledge.com/9780415660563

Land Grabs in Asia

What Role for the Law?

Edited by **Connie Carter**, Royal Roads University, Canada and **Andrew Harding**

Series: Routledge Contemporary Asia Series

This thought-provoking book defines land grabbing, and examines aspects of the land grabs phenomenon in seven Asian countries. It provides unique perspectives on how and why land grabbing is practised in China, India, Pakistan, Cambodia, Malaysia, Myanmar and Indonesia, and explores the surprising role that law plays in facilitating and legitimizing land grabs in each country. Finding that Asian States need to move beyond existing regimes that govern land to a regime that encourages more equitable land rights allocation and protection of stakeholders' rights, the book urges further research in the nexus between the use of law to facilitate development.

Routledge

Market: Law, Asian Law, Development Studies

June 2015: 224pp

Hb: 978-1-138-90401-9: **\$145.00**

eBook: 978-1-315-69656-0

* For full contents and more information, visit: www.routledge.com/9781138904019

Research and Development on Genetic Resources

Public Domain Approaches in Implementing the Nagoya Protocol

Edited by **Evanson Chege Kamau**, University of Bremen, Germany, **Gerd Winter** and **Peter-Tobias Stoll**, Georg-August-Universität Göttingen, Germany

Series: *Routledge Research in International Environmental Law*

This is one of the first books to address research cooperation and facilitated access for non-commercial biodiversity research. It uniquely offers concrete and practicable solutions based on experiences of researchers and administrative officials with Access and Benefit-Sharing (ABS), and on the interpretation of the Nagoya Protocol on how free and lively taxonomic research can be ensured while at the same time observing obligations of obtaining prior informed consent and sharing of benefits.

Unknown

Market: Environment, Sustainability

June 2015: 360pp

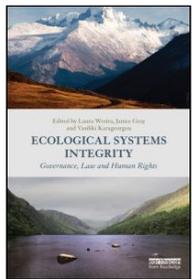
Hb: 978-1-138-85861-9: \$145.00

eBook: 978-1-315-71783-8

* For full contents and more information, visit: www.routledge.com/9781138858619

Ecological Systems Integrity

Governance, law and human rights



Edited by **Laura Westra**, University of Windsor, Canada and University of Milano-Bicocca, Italy, **Janice Gray**, University of New South Wales, Australia and **Vasiliki Karageorgou**, Panteion University, Athens, Greece

This book considers the place of governance and law in the defence against imminent and ongoing threats to ecological, social and cultural integrity. Written by a multidisciplinary, international team the chapters cover the most pressing and contemporary issues in environmental law and governance, including access and benefit-sharing; the right to food and water; climate change coping and adaptation; the rights of indigenous communities; public and environmental health; and many more. The book has a general focus on the European Union and offers

points of comparison with Canada and North and South America.

Routledge

Market: Environment & Sustainability / Law

June 2015: 320pp

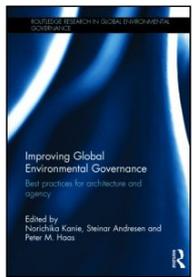
Hb: 978-1-138-88510-3: \$145.00

eBook: 978-1-315-71454-7

* For full contents and more information, visit: www.routledge.com/9781138885103

Improving Global Environmental Governance

Best Practices for Architecture and Agency



Edited by **Norichika Kanie**, Tokyo Institute of Technology, Japan, **Steinar Andresen**, Fridtjof Nansen Institute, Norway and **Peter M. Haas**, University of Massachusetts Amherst, USA

Series: *Routledge Research in Global Environmental Governance*

The experience of environmental governance is approached in this book from the unique perspective of actor configuration and embedded networks of actors, which are areas of emerging importance. The chapters look at existing Multilateral Environmental Agreements (MEAs) and the broader constellation of partially networked institutions to better understand the involvement of individual actors and how to deepen the

networks that include them to generate more effective governance.

Routledge

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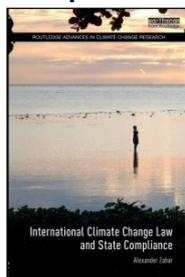
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Alexander Zahar, Macquarie University, Australia

Series: *Routledge Advances in Climate Change Research*

This is the first book on state compliance that treats the UNFCCC, Kyoto Protocol, and their subordinate institutions as case studies in new international trends regarding state compliance. Drawing on a wide range of sources, this book clarifies the multiple layers of state compliance within the evolving international and transnational climate change regime. It provides a conceptual framework and mode of evaluation of the regulatory elements that have evolved to date. It comments on the current fragmentation and possible future unification of accountability and enforcement elements.

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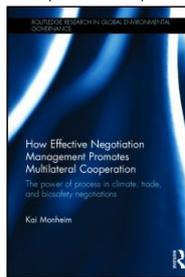
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How Effective Negotiation Management Promotes Multilateral Cooperation

The power of process in climate, trade, and biosafety negotiations



Kai Monheim, Visiting Fellow at London School of Economics, UK

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The book proposes a comprehensive negotiation framework that paints a holistic picture of multilateral negotiation dynamics and the role of negotiation management, demonstrating parallels between in-depth cases of climate negotiations and case pairs from world trade and biosafety. The research draws on data from 62 interviews with chief climate and trade negotiators to discover what has driven delegations in their final decision on agreement, finding that with process management, organisers hold a powerful tool in their hands to influence

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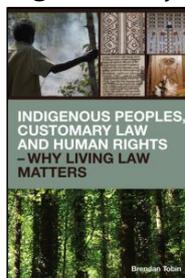
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Indigenous Peoples, Customary Law and Human Rights – Why Living Law Matters



Brendan Tobin, Griffith University, Queensland, Australia

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This highly original work demonstrates the role and importance of customary law as the primary source of law for indigenous peoples all over the world. The book reviews the relationship between customary, positive and natural law from the time of Plato up to the present day. It examines its recognition in constitutional law and in international human rights and environmental instruments. The author analyses the role of customary law in tribal, national and international governance of indigenous peoples' lands, resources and cultural heritage.

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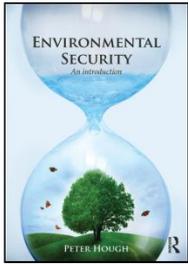
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Promises, politics and possibilities

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Series: The Earthscan Science in Society Series

This book provides an in-depth, interdisciplinary, international and comparative examination of the relationship between knowledge and urban development in the contemporary era. Through the lenses of promise, politics and possibility, it examines how different cities have sought to realize knowledge-based urban development and what this reveals about the relationship between politics, capitalism and knowledge production in cities. Drawing on a range of examples from cities around the world, the book reflects on new possibilities opening up for alternative forms of sustainable urbanism.

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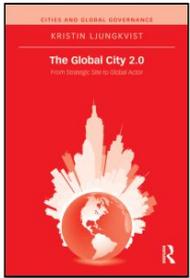
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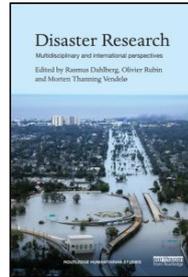
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Ciaran O'Faircheallaigh, Griffith University, Australia.

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Andrew Newman, Embassy of Australia, Washington DC, USA and Gerry Nagtzaam, Monash University, Australia

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This book critically examines the phenomenon of low level radioactive waste disposal facilities siting across four international democracies – the United States, Australia, Spain and South Korea. The issue is of growing importance as since World War II the level of this waste has increased from the hundreds to the billions. The book incorporates a stakeholder theory approach to allow for a better understanding of the key players' roles and how such decisions are made as well as an 'environmental justice' perspective to better understand how some siting decisions negatively impact lower socio-economic classes and indigenous peoples.

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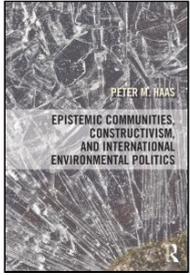
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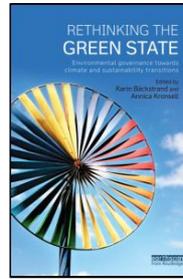
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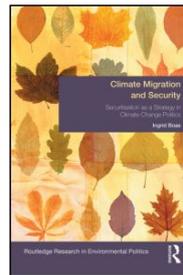
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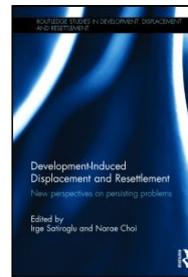
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New perspectives on persisting problems



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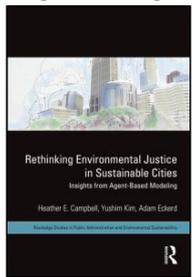
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Insights from Agent-Based Modeling



Heather E. Campbell, Claremont Graduate University, USA, Yushim Kim, Arizona State University, USA and Adam M. Eckerd

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Campbell, Kim, and Eckerd bring an innovative perspective to environmental justice research. Their approach adjusts the narrower questions often asked in the study of environmental justice, expanding to broader investigations of how and why environmental inequities occur. Using agent-based modeling (ABM), they study the interactions and interdependencies among different agents such as firms, residents, and government

institutions. Through simulation, the authors test underlying assumptions in environmental justice and discover ways to modify existing theories to better explain why environmental injustice occurs.

Routledge

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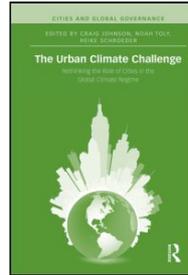
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Drawing upon a variety of empirical and theoretical perspectives, *The Urban Climate Challenge* provides a hands-on perspective about the political and technical challenges now facing cities and transnational urban networks in the global climate regime. Bringing together experts working in the fields of global environmental governance, urban sustainability and climate change, this volume explores the ways in which cities, transnational urban networks and global policy institutions are repositioning themselves in relation to this changing global policy environment.

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This book examines the motivational and institutional obstacles standing in the way of a consistent politics of sustainability and to look for strategies to overcome them. It starts from the assumption that taking seriously the principle of sustainability means to think thoroughly about the options before us to change our life-styles in ways that are less exploitative of natural resources than they are now. The book is an interdisciplinary contribution to the joint effort to meet the theoretical and practical challenges posed by climate change and other impending global perils.

Routledge

Market: Environment, Sustainability

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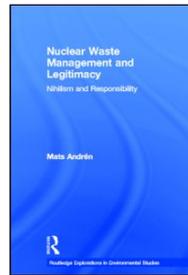
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Nuclear Waste Management and Legitimacy

Nihilism and Responsibility



Mats André, University of Gothenburg, Sweden

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This book focuses on nuclear waste management, which can work in democratic countries only if viewed as legitimate by the population. The book posits the inability of democracies to establish such legitimacy as an explanation for the current absence of public policy decisions that can identify a solution. The problems are such that they can be resolved only if fundamental aspects of the modern notion of legitimacy are set aside.

Introduction: a Faustian Bargain 1. Elusive Legitimacy 2. Legitimacy and Ethics 3. God is Dead: Nihilism or Responsibility

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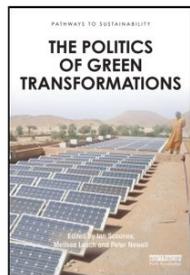
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The Politics of Green Transformations



Edited by **Ian Scoones**, University of Sussex, UK, **Melissa Leach**, Professorial Fellow, Institute of Development Studies (IDS), University of Sussex, UK Director, STEPS Centre, Sussex, UK and **Peter Newell**, University of Sussex, UK.

Series: Pathways to Sustainability

Multiple 'green transformations' are required if humanity is to live sustainably on planet Earth. This book, written by experts in the field, examines what social and political alliances are required to realise green transformations. The role of the state is emphasised, as well as the role of citizens, as innovators, entrepreneurs, green consumers and members of social movements. Green transformations must be both 'top-down',

involving elite alliances between states and business, but also 'bottom up', pushed by grassroots innovators and entrepreneurs, and part of wider mobilisations among civil society.

Routledge

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Environmental Politics in Latin America



Elite dynamics, the left tide and sustainable development
Edited by **Benedicte Bull**, University of Oslo, Norway and **Mariel Cristina Aguilar-Stoen**, University of Oslo, Norway
Series: Routledge Studies in Sustainable Development

Based on case-studies in eight Latin American countries, this book investigates the extent to which there have been elite shifts, how new governments have related to old elites, and how that has impacted on environmental governance and the management of natural resources. As new groups emerge from political and economic shifts, old elites struggle to remain influential. This book looks at how opposition from old elites, the commitment to social distribution of resource-rents, and the prerogative of state construction have often hampered initiatives to ensure a more sustainable and equitable governance of natural resources.

Unknown

Market: Environment / Politics / Geography

November 2014: 220pp

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eBook: 978-1-315-76427-6

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Environmental Politics and Foreign Policy Decision Making in Latin America

Ratifying the Kyoto Protocol



Amy Below, Oregon State University, USA.

Series: Role Theory and International Relations

Amy Below's book builds off the increasing significance of climate change and uses the Kyoto Protocol as a case study to analyze foreign policy decision making in Latin America. The book considers a variety of factors on individual, national, and international levels of analysis, and show that the foreign policy decisions are best viewed through the prism of role theory. The book also draws conclusions about the value of role theory in general and about environmental foreign policy decisions in developing countries, which will be of value to both policy-makers and academics.

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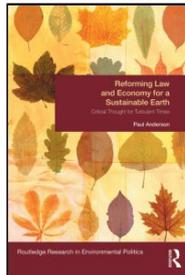
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Critical Thought for Turbulent Times



Paul Anderson, University of Warwick, UK

Series: Environmental Politics

Reforming Law and Economy for a Sustainable Earth offers an extensive critique of the idea that global environmental problems can be solved within the framework of global capitalism. Anderson challenges the position that global sustainability can only be achieved via changes to the economic system. The originality of this text is in its combination of rigorous analysis of the requirements for global sustainability and a decisive statement about how to fulfill those requirements. It advances a growing literature in human-environment relations, sustainability studies, and social and political theory with a timely and insightful statement about the 21st century global environmental predicament.

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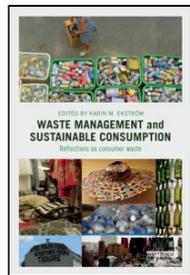
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Waste Management and Sustainable Consumption

Reflections on consumer waste



Edited by **Karin M. Ekström**, University of Borås, Sweden

Waste reduction is a complex challenge for the promotion of sustainable consumption. This book presents philosophical reflections, practical examples and potential solutions to the problem of increasing waste. The authors represent a variety of disciplines encompassing different environmental, economic and social perspectives, theories and methods. As increasing waste is a growing global problem as a result of increasing consumption, a consumer perspective is therefore highly important. This book is unique in its emphasis on the consumer perspective throughout.

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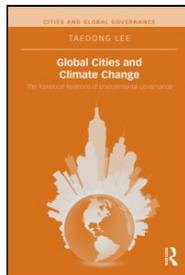
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Global Cities and Climate Change

The Translocal Relations of Environmental Governance



Taedong Lee, Yonsei University, Korea

Series: Cities and Global Governance

Global Cities and Climate Change examines the translocal relations of cities that have made an international effort to collectively tackle climate change. Using multi-methods such as multi-level analysis, comparative case studies, regression analysis and network analysis, Taedong Lee illustrates why some cities participated in transnational climate networks for cities; under what conditions cities internationally cooperate with other cities, with which cities; and which factors influence climate policy performance.

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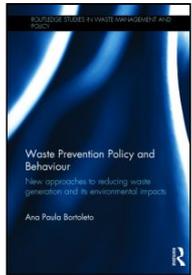
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Waste Prevention Policy and Behaviour

New Approaches to Reducing Waste Generation and its Environmental Impacts



Ana Paula Bortoleto, State University of Campinas, Brazil
Series: *Routledge Studies in Waste Management and Policy*

As prosperity levels rise, so too does the level of products and services manufactured. For decision makers facing a growing waste burden, it is imperative that more sustainable waste management programmes are based on an understanding of the complex relationship between waste prevention policies and individual behavior regarding waste generation. This book examines the interplay; taking a close look at the role of motivation, difficulties, values and constraints.

Unknown

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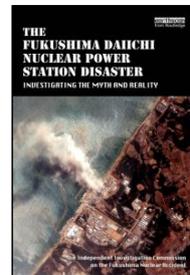
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The Fukushima Daiichi Nuclear Power Station Disaster

Investigating the Myth and Reality



The Independent Investigation on the Fukushima Nuclear Accident, Bulletin of the Atomic Scientists, Chicago, USA

Following the disaster at the Fukushima Daiichi nuclear power plant in Japan in March 2011, the public is showing increased interest in nuclear safety. This important book is based on an independent report by the Rebuild Japan Initiative Foundation, which has been translated into English and substantially re-edited and revised. The overall goal is to provide a factual assessment of the nuclear power industry, and to raise questions about safety and security, in the larger context of how to meet energy needs with the least harm to communities and the environment.

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February 2014: 298pp

Hb: 978-0-415-71393-1: **\$145.00**

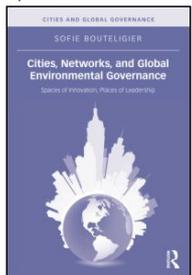
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Cities, Networks, and Global Environmental Governance

Spaces of Innovation, Places of Leadership



Sofie Bouteligier, Wageningen University, The Netherlands
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This innovative study examines theories of the network society and global cities from a global ecology perspective. Through direct observation, interviews, and using two types of city networks that have been treated separately in the literature, Bouteligier discovers the structure and logic pertaining to office networks of environmental non-governmental organizations and environmental consultancy firms. In doing so she incisively demonstrates the ways in which cities fulfill the role of strategic sites of global environmental governance.

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This title, first published in 1987, provides an authoritative account of both the science and the politics of acid rain. A comprehensive and relevant work, this is an important guide for students of geography, environment and sustainability and energy policy.

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Hb: 978-0-415-71276-7: **\$130.00**

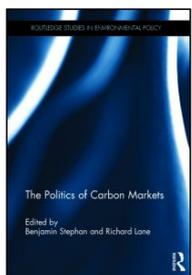
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Today's beleaguered yet expanding carbon market represents a type of relationship between economy and ecology scarcely imaginable forty years ago. This collection brings together a comprehensive array of perspectives to critically scrutinise the development and on-going maintenance of this global carbon market. The book's contributors recognise that the market itself, as well as the notion of the environment that it instantiates, is highly political and contested; thus the chapters investigate the market system and its insertion into and influence on climate and environmental governance within the global political economy.

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Employing a broad country-based approach, this title, first published in 1986, surveys the growth, nature and effectiveness of the environmental management policies implemented by governments around the world. Park's overarching argument is that a coherent international approach is needed to deal with the problems surrounding environmental sustainability.

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Market: Environmental Politics/Government Policy

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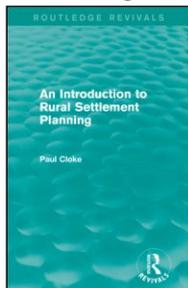
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Paul Cloke, University of Exeter, UK

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Erica Schoenberger, John Hopkins University, USA

Using case studies from three different environmental domains – earth, air and water – the author challenges some of the conventional wisdoms about how our environment came to be in this state and offers a new way of thinking about how we can improve. Written in a clear and engaging style, Schoenberger underpins her argument with a political economy framework and explores the issues in the context of social injustice; with the awareness that social processes *are* environmental processes and that the environment cannot be detached from discussions about society. This novel and refreshing book proposes how we can build an environmentally safer future.

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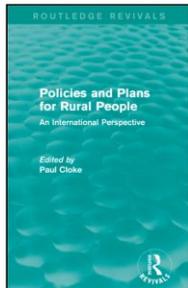
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Policies and Plans for Rural People (Routledge Revivals)

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Edited by Paul Cloke, University of Exeter, UK

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Unknown

Market: Rural Policies/Planning

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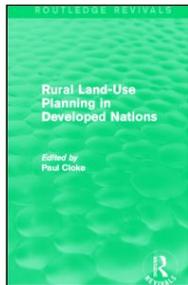
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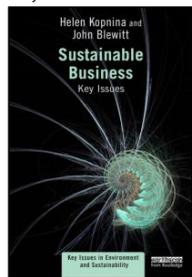
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TEXTBOOK

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Helen Kopnina, The Hague University of Applied Sciences, The Netherlands and John Blewitt, Aston University, UK
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This book is a comprehensive introductory-level textbook that introduces students to the background and key issues of sustainability and suggests ways in which these concepts can be applied in business practice. Though the book takes a business perspective, it is interdisciplinary in its nature and draws on knowledge from socio-economic, political, and environmental studies, thereby providing a practical and critical understanding of sustainability in the changing paradigm of global business. It goes beyond the conventional theories of sustainability and

addresses critical issues concerned with population, consumption and economic growth.

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**Corporate Responsibility and Sustainable Development**

Exploring the Nexus of Private and Public Interests

Edited by Lez Rayman-Bacchus and Philip Walsh, Ryerson University, Canada

Series: *Routledge Research in Sustainability and Business*

This book explores the gaps and overlaps between corporate social responsibility and sustainable development, two concepts that might reconcile many of the big challenges facing the world: tensions between respect for the natural environment, social justice, and economic development; the long view versus short-term imperatives; the competing priorities between developed and developing economies; the private interests of businesses and the public interests of communities and civil society. These concerns overlap because they implicate corporate practices, state development policy challenges, the concerns and priorities of non-governmental organisations, and the potential for innovative forms of organisation to address these challenges.

This collection examines these questions in terms of tensions and interdependencies, between competing claims to resources, rights and responsibilities, strategy and governance, between public and private interest, and the implications for equity

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Noel Russell, University of Manchester, UK

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This book will explore the implications of growth and globalisation for sustainability and food security from an economics perspective, and will explain how sustainable intensification processes can make an important contribution to solving and reconciling the puzzling and sometimes contradictory influences of growth and globalisation in the search for sustainable food security.

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Kylie McKenna

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This book proposes a new model of Corporate Social Responsibility (CSR), reconceptualised as 'Interdependent Engagement' – a model which transforms existing approaches to CSR to engage with key sources of resource conflict. The book asks why previous CSR practices have not always achieved their aims and explains why current CSR initiatives of major natural resource companies may be unable to help corporations avoid social conflict. It argues that CSR could assist corporations to promote peace building if it were re-designed in such a way as to engage with the interdependencies between business activity and the root causes of conflict.

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Edited by Rajat Panwar, Northland College, Ashland, Wisconsin, USA, Robert Kozak, University of British Columbia, Canada and Eric Hansen, Oregon State University, Corvallis, USA

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Forests are under tremendous pressure from human use of all kinds, but a significant threat to their sustainability comes from commercial interests. This book is the first to present a comprehensive examination of the interaction between commercial interests and sustainability within the forestry domain. It captures, both philosophically and practically, the genesis of sustainability concerns in the forest sector and various sustainability-oriented initiatives that occur within it. It also analyzes the framing of sustainability questions and how this has limited our ability to effectively address the overarching challenge of sustainability.

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Decision-Making in the Age of Informatics

Constantine Kontokosta, Center for Sustainable Built Environment, NYU, USA

'Big data' sets continue to emerge from the global built environment, but how can we best use these datasets and what challenges do they present? Focusing on the implications for commercial property and energy efficiency, and making use of his unique access to data from over 30,000 global buildings, covering over 2 billion square feet, Kontokosta argues that the collection, integration, and analysis of large-scale data can shift investment behaviour and support data-driven policies to improve building resource efficiency and foster sustainable markets.

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Measuring Welfare beyond Economics

The genuine progress of Hong Kong and Singapore
Claudio O. Delang and **Yi Hang Yu**, Ove Arup and Partners, Hong Kong

Series: Routledge Studies in Sustainable Development

This book is the first that measures the GPI of Hong Kong and Singapore from 1968 to 2010. It finds that for both countries, economic output (as measured by the GDP) has grown more than welfare (as measured by the GPI), but important differences are also found. In Hong Kong, the GPI has grown for the whole period under consideration, while in Singapore the GPI has stalled from 1993.

Routledge

Market: Development Economics / Asian Studies / Sustainability

July 2015: 224pp

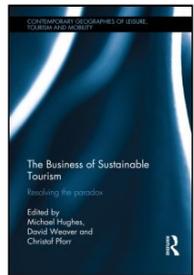
Hb: 978-0-415-81383-9: **\$155.00**

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Resolving the Paradox



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Biodiversity in the Green Economy

Edited by **Alexandros Gasparatos**, IR3S, University of Tokyo and **Katherine J. Willis**, Biodiversity Institute, Oxford University

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In the past decade, the growing realization that biodiversity and human wellbeing are inextricably linked has led to the adoption of numerous environmental policies. The concept of the Green Economy has gained particular attention as an economic system where growth is possible within environmental limits. The preservation of ecosystem services and the halt of biodiversity loss are identified as key pillars of the Green Economy. This book establishes ways to assess biodiversity's contributions to the economy and to meaningfully integrate biodiversity concerns in green-economy policies.

Unknown

Market: Economics

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The Economics of Green Growth

New indicators for sustainable societies

Edited by **Shunsuke Managi**, Tohoku University, Japan

Series: Routledge Studies in Ecological Economics

This book investigates the possibility of creating an integrated indicator covering three pillars of sustainable development: economy, society and the environment. Its objective is to change the direction of economic growth towards one which is more sustainable by introducing new indicators relevant to sustainable development and a green economy and also discusses the key issues for these indicators.

Unknown

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June 2015: 328pp

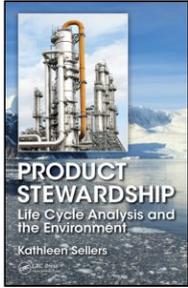
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Product Stewardship

Life Cycle Analysis and the Environment



Kathleen Sellers, Arcadis, Lowell, Massachusetts, United States

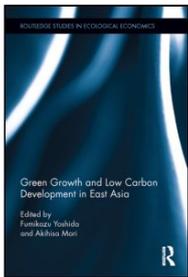
Those in industry who produce goods for market must comply with global product stewardship regulations and also be cognizant of the needs of consumers concerned with sustainability. This book bridges the academic study of life cycle analysis with these practical concerns. It examines multiple product stewardship regulations from around the world and describes present concepts of lifecycle assessment in concrete terms and plain English. It also incorporates several real-world case studies to illustrate the challenges of product stewardship.

CRC Press

Market: Environmental Science
June 2015: 6-1/8 x 9-1/4: 232pp
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Green Growth and Low Carbon Development in East Asia



Edited by Fumikazu Yoshida, Hokkaido University, Japan and Akihisa Mori, Kyoto University, Japan

Series: *Routledge Studies in Ecological Economics*

This book aims to analyze the impact of green growth and low carbon development on the transformation of energy systems and international trade and to evaluate the environmental and economic consequences of such policies in Northeast Asia. *Green Growth and Low Carbon Development in East Asia*, thereby, uncovers the limitations and challenges of advancing sustainable development world-wide.

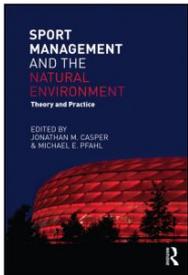
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Market: Economics
May 2015: 248pp
Hb: 978-1-138-83264-0: \$150.00
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Sport Management and the Natural Environment

Theory and Practice



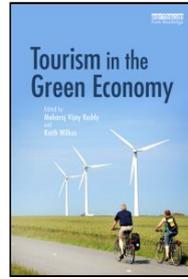
Edited by Jonathan M. Casper, North Carolina State University, US and Michael E. Pfahl, Ohio University, US
With climate change and other environmental issues becoming increasingly prominent, any successful sport organization now has to incorporate environmental concerns into their business strategy, while all sport managers must understand how to implement environmental initiatives into their everyday business. *Sport Management and the Natural Environment* is the first book to introduce environmental theory and best practice in the context of sport management, demonstrating how sport organizations can become more effective and sustainable, and exploring the important advocacy role that sport organizations have in local and global communities.

Routledge

Market: Sport Management / Business and Management / Environmental Studies
May 2015: 224pp
Hb: 978-0-415-71540-9: \$160.00
Pb: 978-0-415-71542-3: \$53.95
eBook: 978-1-315-88183-6

* For full contents and more information, visit: www.routledge.com/9780415715423

Tourism in the Green Economy



Edited by Maharaj Vijay Reddy, Bournemouth University, UK and Keith Wilkes, Bournemouth University, UK

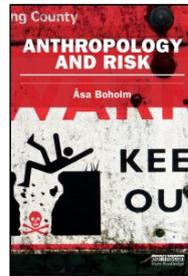
The concept of the green economy has now entered mainstream policy debates and been endorsed by a range of United Nations and other organizations. It is increasingly recognized that the tourism sector can make a major contribution to the green economy through more sustainable practices, climate change mitigation and ecotourism. However, there are ambiguities about how tourism and allied industries can maximize their contribution. In this context, this book provides consensus about what the green economy entails, what role tourism can play in a green economy, early responses from many countries, and on-going and emerging research initiatives.

Routledge

Market: Tourism / Environment & Sustainability / Economics
May 2015: 366pp
Hb: 978-0-415-70921-7: \$145.00
eBook: 978-1-315-88568-1

* For full contents and more information, visit: www.routledge.com/9780415709217

Anthropology and Risk



Asa Boholm, Gothenburg University, Sweden.

Series: *Earthscan Risk in Society*

Drawing on theory from anthropology, sociology, organization studies and philosophy, this book addresses how the perception, communication and management of risk are shaped by culturally informed and socially embedded knowledge. It demonstrates how interpretations of risk are conditioned by knowledge claims, cultural assumptions, and the orientation of actors based on roles, norms, expectations and identities. As a selection of Boholm's publications throughout her career, along with a newly written introduction overviewing the field, this book provides a unified perspective on risk as a construct shaped by social and

cultural contexts.

Routledge

Market: Environment, Sustainability
May 2015: 200pp
Hb: 978-0-415-74561-1: \$140.00
Pb: 978-0-415-74563-5: \$49.95
eBook: 978-1-315-79779-3

* For full contents and more information, visit: www.routledge.com/9780415745635

Corporate Impact

Measuring and Managing Your Social Footprint



Edited by Adrian Henriques

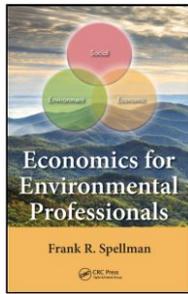
This book, by noted CSR practitioner, consultant and educator Adrian Henriques, provides the first coherent approach to identifying, understanding, measuring and accounting for corporate social impact. The volume provides a clear, digestible and practical roadmap for companies wishing to take responsibility for their role in society and improve their internal and external performance.

Routledge

April 2015
Hb: 978-1-844-07653-6: \$50.00
Pb: 978-1-138-86689-8: \$49.95
eBook: 978-1-849-77490-1

* For full contents and more information, visit: www.routledge.com/9781138866898

Economics for Environmental Professionals



Frank R. Spellman, Spellman Environmental Consultants, Norfolk, Virginia, USA Old Dominion University, Norfolk, Virginia, USA

A roadmap to successful Enterprise Resource Management implementation, this book covers the entire process, from software selection and integration through to return on investment. Best practice tool sets include unique results-proven methods such as: Information Workmanship Standard (IWS), which defines quality; Conference Room Piloting, which assists in matching teams to objectives seamlessly; Education, Training and Implementation Framework, which addresses preparing the operating production environment; and Project Monitoring and Deployment, covering project and risk management. These

tools insure smooth planning and systems deployment, product quality, and maximum return on investment.

CRC Press

Market: Ecology

April 2015: 6-1/8 x 9-1/4: 584pp

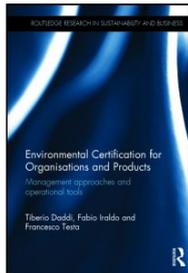
Hb: 978-1-482-25799-1: \$129.95

eBook: 978-1-482-25801-1

* For full contents and more information, visit: www.crcpress.com/9781482257991

Environmental Certification for Organisations and Products

Management approaches and operational tools



Tiberio Daddi, Sant'Anna School of Advanced Studies, Italy, Fabio Iraldo, Sant'Anna School of Advanced Studies and Bocconi University, Italy and Francesco Testa, Sant'Anna School of Advanced Studies, Italy

Series: *Routledge Research in Sustainability and Business*

Environmental certification is an effective tool to manage the environmental impact made by companies, to leverage their competitive capabilities and to ensure their compliance with environmental principles in the case of production processes located in developing countries. This book provides an up-to-date overview of the different environmental certification tools and their roles and added value in a corporate

management perspective. Balancing a complete theoretical presentation of the issue with an operational perspective, the book supports the adoption and implementation of environmental certification tools.

Unknown

Market: Environment, Sustainability

April 2015: 224pp

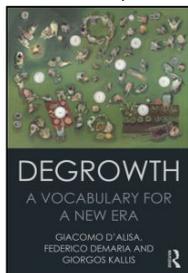
Hb: 978-1-138-78473-4: \$140.00

eBook: 978-1-315-76818-2

* For full contents and more information, visit: www.routledge.com/9781138784734

Degrowth

A Vocabulary for a New Era



Edited by Giacomo D'Alisa, Autonomous University of Barcelona, Spain, Federico Demaria, Autonomous University of Barcelona, Spain and Giorgos Kallis, Autonomous University of Barcelona

This is the first English language book to comprehensively cover the burgeoning literature on degrowth. It presents and explains the different lines of thought, imaginaries, and proposed courses of action that together complete the degrowth puzzle. The book brings together the top scholars writing in the field with young researchers who cultivate the research frontier and activists who practice degrowth on the ground. It will be an indispensable source of information and inspiration for all those who not only believe that another world is possible, but work and struggle to

construct it right now.

1. Lines of thought 1. Anti-utilitarianism 2. Bio-economics 3. Development, Critiques of 4. Environmental Justice 5. Environmentalism, Currents of 6. Metabolism, Societal 7. Political ecology 8. Steady-state economics

Routledge

Market: Environment, Sustainability, Economics

November 2014: 220pp

Hb: 978-1-138-00076-6: \$135.00

Pb: 978-1-138-00077-3: \$40.95



The Limits of the Green Economy

From re-inventing capitalism to re-politicising the present



Anneleen Kenis, University of Leuven, Belgium and Matthias Lievens, University of Leuven, Belgium

Series: *Routledge Studies in Environmental Policy*

This book examines the risk that the 'green economy' is not so much about greening the economy, as it is about economising the green message. The authors unravel the myth of the green economy in all its dimensions – from emissions trading to sustainable consumption, population control and technological optimism. Taking a critical approach, the book offers a highly original perspective on the social and ecological consequences of a global economic system attempting to tackle climate change within the confines of capitalism.

Unknown

Market: Environment, Sustainability

April 2015: 176pp

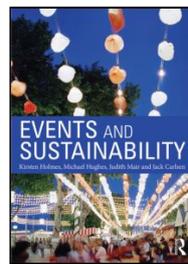
Hb: 978-1-138-78170-2: \$140.00

eBook: 978-1-315-76970-7

* For full contents and more information, visit: www.routledge.com/9781138781702

TEXTBOOK

Events and Sustainability



Kirsten Holmes, Curtin University, Australia, Michael Hughes, Murdoch University, Australia, Judith Mair and Jack Carlsen, Curtin University, Australia

This book is the first to offer a comprehensive introduction to the full range of issues and topics relevant to event sustainability including impacts, operating and policy environments and the role of events in stimulating urban regeneration as well as practical knowledge on how to achieve a sustainable event.

Drawing on multidisciplinary theory the book offers insight into the economic, socio – cultural and environmental impacts and how these can be adapted or mitigated. It couples theory with practice through integrated case studies to show impacts, best

practical of sustainable events, and how better sustainable practice can be achieved in the future.

Routledge

Market: Event Management

April 2015: 206pp

Hb: 978-0-415-74449-2: \$150.00

Pb: 978-0-415-74450-8: \$59.95

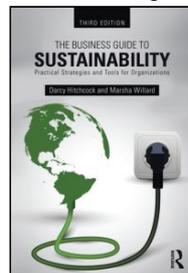
eBook: 978-1-315-81301-1

* For full contents and more information, visit: www.routledge.com/9780415744508

3rd Edition · NEW EDITION

The Business Guide to Sustainability

Practical strategies and tools for organizations



Darcy Hitchcock and Marsha Willard

The Business Guide to Sustainability is a practical introduction to implementing a comprehensive sustainability strategy and achieving sustainability goals in any organization. Written by top business consultants and organized by functional areas of a corporation, this useful book can be applied in both large and small enterprises. Brimming with interesting stories and examples, and covering new developments such as the emergence of BRICs and the effects of the Great Recession, this book will interest managers, business owners, and students for whom sustainability is a priority.

Routledge

Market: Sustainability

March 2015: 6 x 9: 270pp

Hb: 978-1-138-78618-9: \$170.00

Pb: 978-1-138-78619-6: \$63.95

eBook: 978-1-315-76739-0

Prev. Ed Pb: 978-1-844-07766-3

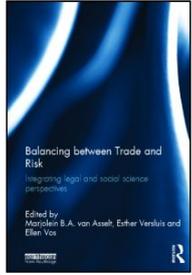
* For full contents and more information, visit: www.routledge.com/9781138786196

eBook: 978-0-203-79614-6

* For full contents and more information, visit: www.routledge.com/9781138000773

Balancing between Trade and Risk

Integrating Legal and Social Science Perspectives



Edited by **Marjolein B. A. van Asselt, Esther Versluis and Ellen Vos**, all at Maastricht University, the Netherlands

The balancing act between trade and risk regulation will be increasingly important to students of law and social sciences as we move to a shared, interdisciplinary understanding. This book systematically examines the trade aspects of risk and the risk aspects of trade to aid a true understanding of the global, international and supranational dimensions of risk regulation.

Routledge

Market: Economics, Sustainability, Environment, Law

February 2015: 296pp

Hb: 978-1-849-71361-0: **\$140.00**

Pb: 978-1-138-90099-8: **\$49.95**

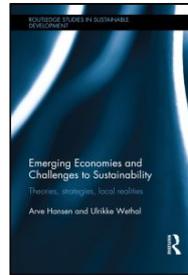
eBook: 978-0-203-10990-8

* For full contents and more information, visit: www.routledge.com/9781138900998



Emerging Economies and Challenges to Sustainability

Theories, strategies, local realities



Edited by **Arve Hansen**, University of Oslo, Norway and **Ulrikke Wethal**, University of Oslo, Norway

Series: *Routledge Studies in Sustainable Development*

The rise of the emerging economies in the global economy represents a range of opportunities, but also challenges traditional global power balances and development paradigms. How are we to conceptualise sustainable development in the global race for economic prosperity? How can we combine sustainability with continued economic growth? This book sets out to bridge the scholarship on the role of emerging economies with that of sustainable development. This theme is explored through interdisciplinary approaches to development theory

and development strategies, based on case studies from East and South Asia, Latin America and Sub-Saharan Africa.

Unknown

Market: Environment, Sustainability / Economics / Development

October 2014: 304pp

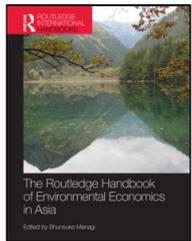
Hb: 978-0-415-74732-5: **\$155.00**

eBook: 978-1-315-79710-6

* For full contents and more information, visit: www.routledge.com/9780415747325



The Routledge Handbook of Environmental Economics in Asia



Edited by **Shunsuke Managi**, Tohoku University, Japan

Series: *Routledge International Handbooks*

Problems of climate change, biodiversity, air pollution are clearly growing in globally, but more particularly in Asia because of its economic importance and richness in nature. The growing increasing interest in the environmental and resource economics applied in regions of Asia will make this book an outstanding resource to the existing literature particularly in the fields of environmental and resource economics and the integration of applied content in traditional agricultural and development.

Routledge

Market: Economics

March 2015: 668pp

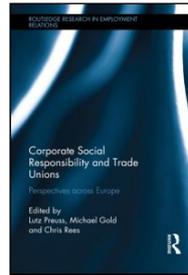
Hb: 978-0-415-65645-0: **\$225.00**

eBook: 978-1-315-74628-9

* For full contents and more information, visit: www.routledge.com/9780415656450

Corporate Social Responsibility and Trade Unions

Perspectives across Europe



Edited by **Lutz Preuss**, Royal Holloway, University of London, UK, **Michael Gold**, Royal Holloway, University of London, UK and **Chris Rees**, Royal Holloway, University of London, UK

Series: *Routledge Research in Employment Relations*

Based on in-depth research from 12 European countries, this book addresses a key gap in the literature, namely trade union policies towards CSR, their engagement with CSR initiatives, and the challenges they face in doing so.

Contents: Foreword (Philippe Pochet and Maria Jepsen, Directors of the European Trade Union Institute in Brussels) 1. Introduction: The Rise of Corporate Social Responsibility as a Challenge for Trade Unions in Europe 2. Belgium 3. Finland 4. France 5. Germany 6. Hungary 7. Lithuania 8. Poland 9. Russia 10. Slovenia 11. Spain 12. Sweden 13. The United Kingdom 14. Conclusions, global implications and avenues for future research

Routledge

Market: Business & Management

October 2014: 232pp

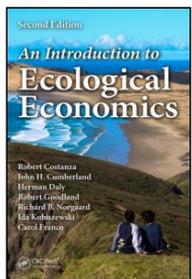
Hb: 978-0-415-85681-2: **\$160.00**

eBook: 978-0-203-72210-7

* For full contents and more information, visit: www.routledge.com/9780415856812

2nd Edition · TEXTBOOK · NEW EDITION

An Introduction to Ecological Economics, Second Edition



Robert Costanza, Australian National University, Canberra, Australia, **John H Cumberland**, Herman Daly, University of Maryland, College Park, USA, **Robert Goodland**, World Bank, Washington DC, USA, **Richard B Norgaard**, University of California at Berkeley, California,, **Ida Kubiszewski** and **Carol Franco**

This completely revised and updated second edition integrates the study and management of humans and the rest of nature. It provides a unified understanding of natural and human-dominated ecosystems and reintegrates the market economy within society and the rest of nature. The new edition adds a series of "boxes" to expand and update information in the current text and addresses such topical issues common asset

trusts, payment for ecosystem services, and alternatives to GDP.

CRC Press

December 2014: 6 x 9: 356pp

Hb: 978-1-566-70684-1: **\$99.95**

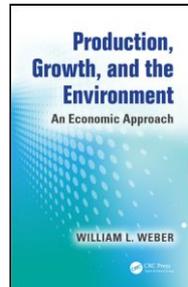
eBook: 978-1-420-01267-5

Prev. Ed Hb: 978-1-884-01572-4

* For full contents and more information, visit: www.crcpress.com/9781566706841

Production, Growth, and the Environment

An Economic Approach



William L. Weber, Southeast Missouri University, Cape Girardeau, USA

Written in a way that facilitates understanding of sometimes difficult concepts and laws, this book discusses the demographic transition and the escape from the Malthusian trap. It also covers the environmental Kuznets curve hypothesis that examines the relation between polluting outputs and economic welfare. The author integrates environmental valuation methods with the production possibility frontier approach. He examines natural resource questions regarding the optimal time to extract non-renewable resources and also examines the optimal harvest rule for renewable resources such as timber and fisheries.

CRC Press

Market: Environmental Science

September 2014: 6-1/8 x 9-1/4: 360pp

Hb: 978-1-482-24305-5: **\$139.95**

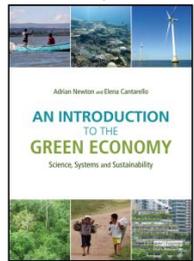
eBook: 978-1-482-24306-2

* For full contents and more information, visit: www.crcpress.com/9781482243055

TEXTBOOK

An Introduction to the Green Economy

Science, Systems and Sustainability



Adrian C. Newton, Bournemouth University, UK and Elena Cantarello, Bournemouth University, UK

The green economy is widely seen as a potential solution to current global economic and environmental crises, and a potential mechanism by which sustainable development might be achieved in practice. This textbook provides a comprehensive introduction to the green economy, using a strongly interdisciplinary approach based on environmental science, rather than treating it as a sub-set of economics. The emphasis is on presenting results of the latest research, illustrated by real-world examples and case studies, to help readers to strengthen their ability to critically evaluate the evidence and

to actively contribute to the future development of the green economy.

Routledge

Market: Environment & Sustainability / Economics

August 2014: 382pp

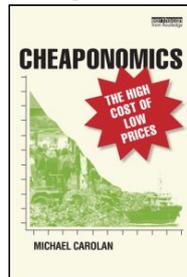
Hb: 978-0-415-71160-9: \$160.00

Pb: 978-0-415-71161-6: \$57.95

eBook: 978-1-315-88448-6

* For full contents and more information, visit: www.routledge.com/9780415711616**Cheaponomics**

The High Cost of Low Prices



Michael Carolan, Colorado State University, USA

The real cost of low prices is alarmingly high. In this compelling book, Michael Carolan shows that costs and risks are socialised: we all pay for cheapness, but not at the point of purchase. Drawing on a wide range of examples and issues from over-consumption and waste to over-work, unemployment, inequality, and the depersonalising of communities, it is convincingly shown that cheapness can no longer be seen as such a bargain. Instead we need to refocus for a better sense of well-being, social justice and a balanced approach to prosperity.

Routledge

Market: Economics / Environment / Social Science

March 2014: 216pp

Hb: 978-0-415-73514-8: \$125.00

Pb: 978-0-415-73515-5: \$29.95

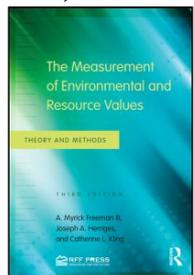
eBook: 978-1-315-81937-2

* For full contents and more information, visit: www.routledge.com/9780415735155

3rd Edition - TEXTBOOK

The Measurement of Environmental and Resource Values

Theory and Methods



A. Myrick Freeman III, Bowdoin College, Maine, USA, Joseph A. Herriges, Michigan State University, USA and Catherine L. Kling, Iowa State University, USA

The first edition of this important work was the winner of the 2002 Publication of Enduring Quality award by the Association of Environmental and Resource Economists. The continuing premise for the book is that estimates of the economic values of environmental and natural resource services are essential for effective policy-making. As previous editions, the third edition, which includes two additional co-authors, presents a comprehensive treatment of the theory and methods involved in estimating environmental benefits.

RFF Press

Market: Environment & Sustainability / Economics

June 2014: 478pp

Hb: 978-0-415-50157-6: \$165.00

Pb: 978-0-415-50158-3: \$64.95

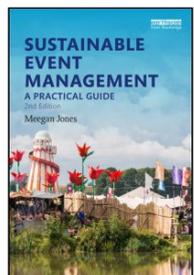
eBook: 978-1-315-78091-7

* For full contents and more information, visit: www.routledge.com/9780415501583

2nd Edition - TEXTBOOK

Sustainable Event Management

A Practical Guide



Meegan Jones, The Green Event Guide, Australia

Public parties always have and always will be a part of the human story, yet those who stage events have a social and environmental responsibility to reduce their impacts. Written by a leader in the field, this fully updated, practical, step-by-step guide leads readers through the key aspects of how to understand and manage the impacts of events of any type and scale. Readers are provided with checklists for action and tools for measuring performance and numerous examples and case studies from across the world are integrated throughout.

Routledge

Market: Sustainability / Events / Tourism

May 2014: 394pp

Hb: 978-0-415-84019-4: \$165.00

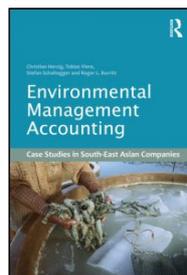
Pb: 978-0-415-84020-0: \$61.95

eBook: 978-0-203-76872-3

Prev. Ed Pb: 978-1-844-07739-7

* For full contents and more information, visit: www.routledge.com/9780415840200**Environmental Management Accounting**

Case Studies of South-East Asian Companies



Christian Herzig, Nottingham University, UK, Tobias Viere, Leuphana University, Germany, Stefan Schaltegger, Leuphana University, Germany and Roger L. Burritt, University of South Australia

Until now, research on environmental management accounting (EMA) has concentrated on developed countries and on the cost-benefit analysis of the implementation of individual EMA tools. This book seeks to redress the balance and improve the understanding of the role of EMA in management decision-making in emerging countries, by drawing on 12 case studies, taken from a variety of industries, all focusing specifically on South-East Asian companies.

Introduction and Structure of the Book Part 1: Introduction to Environmental Management Accounting Part 2: Case Studies on EMA in South-East Asia Part 3: Findings, Discussion and Conclusion

Routledge

Market: Business & Management / Accounting

March 2012: 6 x 9: 328pp

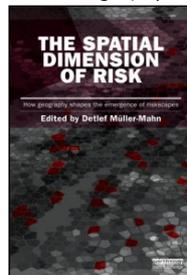
Hb: 978-0-415-69431-5: \$150.00

Pb: 978-0-415-50678-6: \$62.95

eBook: 978-0-203-12536-6

* For full contents and more information, visit: www.routledge.com/9780415694315**The Spatial Dimension of Risk**

How Geography Shapes the Emergence of Risksapes



Edited by Detlef Müller-Mahn, Center for Natural Risks and Development Bayreuth, University of Bayreuth, Germany
Series: *Earthscan Risk in Society*

Through its exploration of the spatial dimensions of risk, this book offers a brand new approach to theorizing risk, with suggestions for significant improvements in how to manage, tolerate and take risks. A broad range of risks are examined, including natural hazards, climate change, political violence, and state failure. This new approach, endorsed by world leading risk analysts, is essential reading for those charged with studying, anticipating, and managing risks.

Routledge

Market: Environment, Risk Management

February 2015: 264pp

Hb: 978-1-849-71085-5: \$145.00

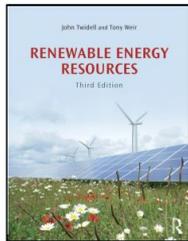
Pb: 978-1-138-90094-3: \$49.95

eBook: 978-0-203-10959-5

* For full contents and more information, visit: www.routledge.com/9781138900943

3rd Edition · TEXTBOOK · NEW EDITION

Renewable Energy Resources



John Twidell, AMSET Centre, UK and Tony Weir, formerly at the University of South Pacific, Fiji

This book is a numerate and quantitative text covering the full range of renewable energy technologies and their implementation worldwide. Energy supplies from renewables (such as from biofuels, solar heat, photovoltaics, wind, hydro, wave, tidal, geothermal, and ocean-thermal) are essential components of every nation's energy strategy, not least because of concerns for the local and global environment, for energy security and for sustainability. Thus in the years between the first and this third edition, most renewable energy technologies

have grown from fledgling impact to this significant importance because they make good sense, good policy and good business.

Routledge

Market: Energy/Environmental Science

January 2015: 784pp

Hb: 978-0-415-58437-1: **\$190.00**

Pb: 978-0-415-58438-8: **\$67.95**

eBook: 978-1-315-76641-6

Prev. Ed Pb: 978-0-419-25330-3

* For full contents and more information, visit: www.routledge.com/9780415584388



TEXTBOOK

Building Futures

Managing energy in the built environment

Jane Powell, University of East Anglia, Jenn Monahan, University of East Anglia, UK and Chris Foulds, Anglia Ruskin University, UK.

This book explores the important contribution of the built environment in the reduction of household energy consumption and in meeting the urgent challenge of the 2050 carbon reduction target. It examines trends in energy demand in UK and Europe across energy sectors for industry, commercial, domestic and transport, and explores the reasons for change in energy use through practice and technology. It includes a broad geographical range of case studies the UK, Europe and further afield, with particular focus on Passivhaus in Germany, low energy houses in Scandinavia and Dongtan Eco city in China.

Routledge

Market: Energy

September 2015: 264pp

Hb: 978-0-415-72010-6: **\$160.00**

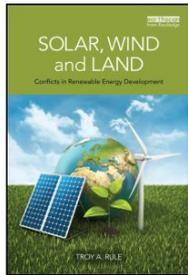
Pb: 978-0-415-72012-0: **\$59.95**

* For full contents and more information, visit: www.routledge.com/9780415720120



Solar, Wind and Land

Conflicts in Renewable Energy Development



Troy A. Rule, Arizona State University, USA

This book describes and analyses the property and land use policy questions that most commonly arise in renewable energy development. Although it focuses primarily on issues that have arisen within the United States, the book's discussions of international policy differences and critiques of existing approaches make it a valuable resource for anyone exploring these issues in academic or professional settings anywhere in the world.

Routledge

Market: Planning / Land use / Energy

September 2014: 236pp

Hb: 978-0-415-52046-1: **\$190.00**

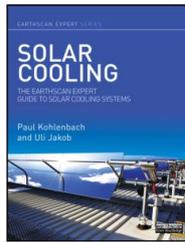
Pb: 978-0-415-52047-8: **\$59.95**

eBook: 978-1-315-77007-9

* For full contents and more information, visit: www.routledge.com/9780415520478

Solar Cooling

The Earthscan Expert Guide to Solar Cooling Systems



Paul Kohlenbach, Solem Consulting, Germany and Uli Jakob, Solem Consulting, Germany

Series: *Earthscan Expert*

Cooling buildings is a major global energy consumer, and the energy requirement is growing year by year. This guide to active solar cooling technology explains all you need to know about how solar energy can be converted into cooling energy. *Solar Cooling* includes chapters on how active solar cooling systems work, distribution systems, storage systems and installation. This book is for engineers, architects, building managers, solar thermal professionals, energy consultants and students.

Routledge

Market: Solar Cooling/Solar Energy/Renewable Energy

June 2014: 208pp

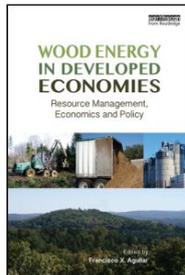
Hb: 978-0-415-63975-0: **\$65.00**

eBook: 978-1-315-86753-3

* For full contents and more information, visit: www.routledge.com/9780415639750

Wood Energy in Developed Economies

Resource Management, Economics and Policy



Edited by Francisco X. Aguilar, University of Missouri, Columbia, USA

There has been a recent resurgence of interest in wood energy as part of a sustainable range of renewable energy options. This book addresses the current gap in the energy and public policy literature for a reference book that compiles the most-recent literature on wood energy assessments, and evaluates current and potential future wood energy use and the role for public policy to foster greater use of the most-widely used renewable energy in the world. The main focus is on industrialised production and developed economies, particularly the USA and Europe.

Routledge

Market: Environment / Energy / Forestry

September 2014: 338pp

Hb: 978-0-415-71169-2: **\$130.00**

eBook: 978-1-315-88441-7

* For full contents and more information, visit: www.routledge.com/9780415711692

Solar PV Engineering and Installation

Preparation for the NABCEP PV Installer Certification

Sean White, Solar Energy Professor and Consultant, USA

This book will provide test-taking strategy that can be used to most effectively study for and pass the NABCEP PV Installation exam. Code and theory is explained in the first half and will prove as useful background for the heart of the book which consists of practice exam questions and detailed explanations of the answers. It also contains essential strategy tools, short term memory tips and recommended reading which will be invaluable for anyone studying for the exam. The material in this book is not limited to those taking the exam as it will also be, more broadly, important for career progression and helping the reader to work safely with code compliant PV systems.

Unknown

Market: Energy/solar energy

May 2015: 296pp

Pb: 978-0-415-71333-7: **\$39.95**

eBook: 978-1-315-77009-3

* For full contents and more information, visit: www.routledge.com/9780415713337

PV Technical Sales

Preparation for the NABCEP Technical Sales Certification

Sean White

This book is to assist with the NABCEP PV Technical Sales certification. It provides complete coverage of the NABCEP syllabus in easily accessible chapters, addressing all of the core objectives. The content is divided into eight major topic areas including Site Analysis, Conceptual Design and Financial Costs, Incentives and Savings. Written by Sean White, an experienced teacher, instructor and professional in Solar PV and member of NABCEP Technical Committee.

Unknown

Market: Energy/solar energy

October 2015

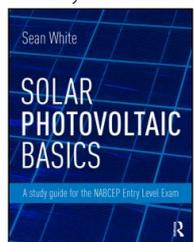
Pb: 978-0-415-71334-4: **\$33.95**

eBook: 978-1-315-77008-6

* For full contents and more information, visit: www.routledge.com/9780415713344

Solar Photovoltaic Basics

A Study Guide for the NABCEP Entry Level Exam



Sean White, Solar Energy Professor and Consultant, USA

This book will explain the science of photovoltaics (PV) in a way that most people can understand using the curriculum which reflects the core modules of the NABCEP Entry Level Exam. It provides complete coverage of the NABCEP syllabus in easily accessible chapters, addressing all of the core objectives that will aid in passing the PV Entry Level exam including the ten main skill sets such as PV Markets and Applications, Safety Basics and Solar Energy Fundamentals. You will learn how to survey a site, how to use the tools that determine shading and annual production, and the importance of safety on site.

Routledge

Market: Energy/solar energy

October 2014: 168pp

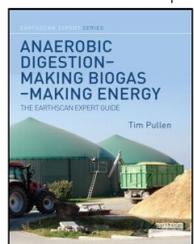
Pb: 978-0-415-71335-1: **\$33.95**

eBook: 978-1-315-77011-6

* For full contents and more information, visit: www.routledge.com/9780415713351

Anaerobic Digestion – Making Biogas – Making Energy

The Earthscan Expert Guide



Tim Pullen, WeatherWorks, Wales, UK

Series: *Earthscan Expert*

Anaerobic Digestion (AD) is used around the world to produce low CO₂ energy and to make 'clean' fertilisers with large, medium and small-scale plants common-place in Western Europe and the USA. This book describes, in simple, easy to read language the five common systems of AD; how they work, the impact of scale, the basic requirements, their costs and financial implications, and how to get involved in this promising green industry.

Routledge

Market: Energy/Bioenergy

January 2015: 190pp

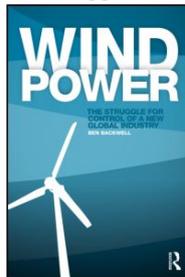
Hb: 978-0-415-71348-1: **\$67.95**

eBook: 978-1-315-77077-2

* For full contents and more information, visit: www.routledge.com/9780415713481

Wind Power

The Struggle for Control of a New Global Industry



Ben Backwell, Editor in Chief, Recharge

This book looks at the nations, companies and people fighting for control of one of the world's fastest growing new industries and how we can harness one of the planet's most powerful energy resources – wind power. The book also examines the challenges the sector faces as it competes for influence and investment with the fossil fuel industry across the globe.

Written by Ben Backwell, Editor in Chief of Recharge, the leading information provider in the renewable energy sector, this book analyses the industry climbers, the commitments to financial investment and the technological advancements in the dominating powers for the future of wind energy.

Routledge

Market: Energy

September 2014: 164pp

Hb: 978-0-415-72961-1: **\$135.00**

Pb: 978-1-138-84585-5: **\$53.95**

eBook: 978-1-315-77476-3

* For full contents and more information, visit: www.routledge.com/9780415729611

Green Solar Cities



Peder Vejsig Pedersen, Director, Cenergia Energy Consultants, Denmark, Jakob Klint, Kuben Management, Copenhagen, Karin Kappel, Solar City Copenhagen, Denmark and Katrine Vejsig Pedersen, Kuben Management, Denmark

The Green Solar Cities, EU-Concerto project focuses on the practical large scale implementation of solar energy technologies in combination with new build and retrofit low energy building in the cities of Copenhagen and Valby in Denmark and Salzburg in Austria. This book aims to influence decision makers in European cities towards a similar approach to the Green Solar

Cities project, in close cooperation with leading building component suppliers, energy companies and engaged builders also working with local city officials.

Routledge

Market: Solar energy/renewable energy

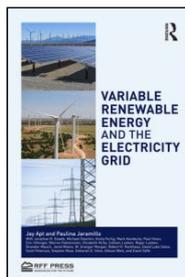
January 2015: 316pp

Pb: 978-0-415-73119-5: **\$59.95**

eBook: 978-1-315-77078-9

* For full contents and more information, visit: www.routledge.com/9780415731195

Variable Renewable Energy and the Electricity Grid



Jay Apt, Carnegie Mellon University, Pittsburgh, USA and Paulina Jaramillo, Carnegie Mellon University, Pittsburgh, USA

The integration of renewable energy resources into the electricity grid presents an important challenge. This book provides a review and analysis of the technical and policy options available for managing variable energy resources such as wind and solar power. As well as being of value to government and industry policy-makers and planners, the volume also provides a single source for scientists and engineers of the technical knowledge gained during the 4-year RenewElec (renewable electricity) project at Carnegie Mellon University, the University of Vermont, Vermont Law School, and the Van Ness Feldman environmental

law firm.

RFF Press

Market: Energy

June 2014: 328pp

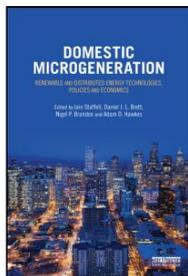
Hb: 978-0-415-73301-4: **\$145.00**

eBook: 978-1-315-84870-9

* For full contents and more information, visit: www.routledge.com/9780415733014

Domestic Microgeneration

Renewable and Distributed Energy Technologies, Policies and Economics



Edited by **Iain Staffell**, Imperial College London, UK, **Daniel J.L. Brett**, **Nigel P. Brandon** and **Adam D. Hawkes**

Microgeneration is a substantial improvement over the current decentralised and detached energy model employed the world over. *Domestic Microgeneration* is the first in-depth reference work for this exciting and emerging field of energy generation. It provides detailed reviews of ten state-of-the-art technologies, including solar PV and thermal, micro-CHP and heat pumps, and considers them within the wider context of the home in which they are installed and the way that they are operated.

Routledge

Market: Energy

June 2015: 360pp

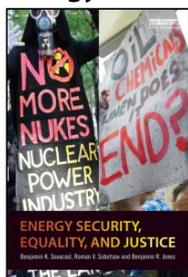
Hb: 978-0-415-81041-8: **\$220.00**

eBook: 978-1-315-69710-9

* For full contents and more information, visit: www.routledge.com/9780415810418

TEXTBOOK

Energy Security, Equality and Justice



Benjamin K. Sovacool, Vermont Law School, USA, **Roman V. Sidortsov**, Vermont Law School, USA and **Benjamin R. Jones**, Cambridge University, UK and Vermont Law School, USA

What are the social and ethical implications of current patterns for energy production and use, and how can these be made more equitable, secure and sustainable? To answer this question, this book connects the discussion of energy policy and technology with notions of rights, freedoms, obligations, responsibilities, virtues, and procedures. It provides an introduction to energy security and justice and their implications for energy policy, and includes explanations of key concepts, case studies and examples of energy injustices that cut across

the multiple sectors of industry.

Routledge

Market: Energy/Environment/Ethics/Law

December 2013: 222pp

Hb: 978-0-415-81519-2: **\$149.00**

Pb: 978-0-415-81520-8: **\$49.95**

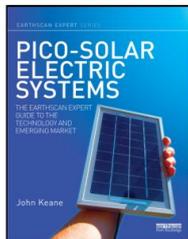
eBook: 978-0-203-06634-8

* For full contents and more information, visit: www.routledge.com/9780415815208



Pico-solar Electric Systems

The Earthscan Expert Guide to the Technology and Emerging Market



John Keane, Managing Director at SunnyMoney, Kenya

Series: Earthscan Expert

This book provides a comprehensive overview of the technology behind the pico-solar revolution and offers guidance on how to test and choose quality products. The book also discusses how pioneering companies and initiatives are overcoming challenges to reach scale in the marketplace, from innovative distribution strategies to reach customers in rural India and Tanzania, to product development in Cambodia, product assembly in Mozambique and the introduction of 'pay as you go' technology in Kenya.

Routledge

Market: Energy/Solar energy/Renewable energy

April 2014: 206pp

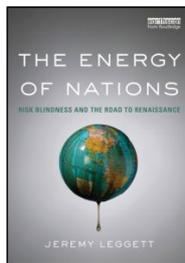
Hb: 978-0-415-82359-3: **\$65.00**

eBook: 978-1-315-81846-7

* For full contents and more information, visit: www.routledge.com/9780415823593

The Energy of Nations

Risk Blindness and the Road to Renaissance



Jeremy Leggett, Founder and Chairman of SolarCentury and SolarAid, regular conference speaker and lecturer.

Systemic global risks of oil supply, climate shock and financial collapse threaten tomorrow's economies and mean businesses and policy makers face huge challenges in fuelling tomorrow's world.

Jeremy Leggett gives a personal testimony of the dangers often ignored and incompletely understood - a journey through the human mind, the institutionalization of denial, and the reasons civilizations fail. It is also an account of tantalizing hope, because mobilizing renewables and redeploying energy funding can soften the crash of modern capitalism and set us on a road to

renaissance.

Unknown

Market: Energy

September 2013: 272pp

Pb: 978-0-415-85782-6: **\$35.95**

eBook: 978-1-315-88741-8

* For full contents and more information, visit: www.routledge.com/9780415857826

The Legacy of Nuclear Power

Andrew Blowers, Professor Emeritus in Social Sciences, Open University

This book uses research on nuclear communities to explore social and political context of nuclear policy making. In the early part of the book a historical perspective illuminates the shifting power relations that have helped to shape the persistent political geography of the nuclear industry. Although the geography is established the power of nuclear communities has been strengthened through participation to exercise leverage in decision making. The long-term management of nuclear waste remains a problem without a clear solution in many countries. Overall, the book explains both the failures and the prospects for a solution to the abiding problem of nuclear's legacy.

Unknown

Market: Energy

October 2015: 272pp

Hb: 978-0-415-87000-9: **\$180.00**

Pb: 978-0-415-86999-7: **\$59.95**

eBook: 978-1-315-77004-8

* For full contents and more information, visit: www.routledge.com/9780415869997

Managing the Transition

Renewable Energy and Innovation Policies in the UAE and Algeria



Dennis Kumetat, German Federal Foreign Office

In this book Kumetat analyses renewable energy policies in oil- and gas wealthy Arab states. Featuring two case studies – the UAE and Algeria – it seeks to trace common challenges in the domestic power sectors and to outline multiple dimensions of renewable energy policies that each represent a vital component of success. Inspired by the policy design model of transition management it aims to identify ways to govern socio-technical change.

Building on original research in both countries and over 90 interviews with senior stakeholders in half a dozen states, this book seeks to contribute to Middle Eastern and (renewable) energy policy studies, as well as theories of socio-technical

change.

Routledge

Market: Energy/Renewable Energy

October 2014: 250pp

Hb: 978-1-138-77816-0: **\$155.00**

eBook: 978-1-315-77001-7

* For full contents and more information, visit: www.routledge.com/9781138778160

Solar Technology

The Earthscan Expert Guide to Using Solar Energy for Heating, Cooling and Electricity



David Thorpe, News Editor of Energy and Environmental Management Magazine, UK

Series: *Earthscan Expert*

This guide is the essential introduction to the subject, explaining how the technologies work, how they should be employed, and the costs and benefits of using them. *Solar Technology* provides detailed yet accessible coverage of passive solar buildings, solar water heating, solar space heating, other solar thermal applications (such as cooling), grid-connected photovoltaics and stand-alone photovoltaics. It also introduces larger scale applications such as concentrating solar power. This is the perfect

primer for anyone who wants to work with or simply learn more about solar technologies.

Routledge

Market: Energy

August 2011: 238pp

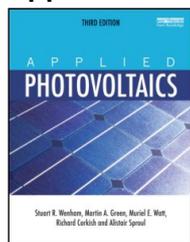
Hb: 978-1-849-71109-8: **\$65.00**

eBook: 978-0-203-58866-6

* For full contents and more information, visit: www.routledge.com/9781849711098

3rd Edition - TEXTBOOK

Applied Photovoltaics



Edited by **Stuart R. Wenham, Martin A. Green, Muriel E. Watt, Richard Corkish and Alistair Sproul**

The new edition of this bestselling textbook has been fully updated with the latest information on photovoltaic cells, modules, applications and policy. Starting from basics with 'The Characteristics of Sunlight' the reader is guided step-by-step through semiconductors and p-n junctions; the behaviour of solar cells; cell properties and design; and PV cell interconnection and module fabrication. The book covers stand-alone photovoltaic systems; specific purpose photovoltaic systems;

remote area power supply systems; grid-connected photovoltaic systems and water pumping. A reliable, accessible and comprehensive guide for students of photovoltaic applications and renewable energy engineering.

Routledge

Market: Engineering/Energy

December 2011: 304pp

Hb: 978-1-849-71141-8: **\$180.00**

Pb: 978-1-849-71142-5: **\$59.95**

eBook: 978-1-849-77698-1

* For full contents and more information, visit: www.routledge.com/9781849711425



Energy and Transport in Green Transition

Perspectives on Ecomodernity

Edited by **Atle Midttun**, BI Norwegian Business School, Norway and **Nina Witoszek**

Series: *Routledge Studies in Sustainability*

This book breaks new ground in the studies of green transition. It frames the ongoing transformation in terms of a "battle of modernities" with the emerging vision of ecomodernity as the final destination. It also offers a systematic exploration of the potential for extensive transformation of carbon-intensive sectors – with a focus on energy and transport – towards a low or post-carbon economy. The book does so in a comparative perspective, by pointing to a diversity of techno-economic and institutional solutions in the mature Western economies, and in the rapidly growing East and developing South.

Routledge

Market: Environment, Sustainability / Energy / Transport

July 2015: 208pp

Hb: 978-1-138-79343-9: **\$145.00**

eBook: 978-1-315-76113-8

* For full contents and more information, visit: www.routledge.com/9781138793439

Clean Energy Urban Design

The Energy Proforma in Policy and Practice

Dennis Frenchman and P. Christopher Zegas

Clean Energy Urban Design: The Energy Proforma offers a new way of understanding urban energy consumption by looking at how the design of neighborhoods affects energy consumption; Based on empirical research and over 4000 statistical interviews of neighbourhoods energy usage in Jinan, China - MIT researchers Dennis Frenchman and Chris Zegas use their Energy Proforma to look at how people living in better-designed neighbourhoods consume far less energy on a daily basis than those living in modern high-rise superblocks.

Routledge

Market: Urban Design

October 2015: 224pp

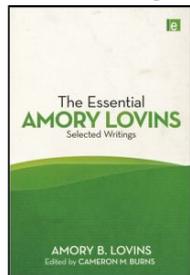
Pb: 978-1-138-80648-1: **\$68.95**

eBook: 978-1-315-75158-0

* For full contents and more information, visit: www.routledge.com/9781138806481

The Essential Amory Lovins

Selected writings



Amory B. Lovins and Cameron Burns

Amory B. Lovins is a leading authority on energy, integrative design, and their links with economy, environment, development, and security. This unique collection combines his most important and influential writings in an inspiring resource for anyone wishing to gain a deeper understanding of the issues which lie at the heart of sustainability and energy challenges. Featuring work from across his long career spanning energy, design, transport, climate, security, law, mountaineering, politics, proliferation, health, business, biotechnology, physics, and politics, the book explores the relevance of the ideas to the sustainability problems we face today – a relevance which is often (exasperatingly) evident. The collection also includes old

and new personal essays on the environment and poignant letters to the editor. Lovins' development as an expert in the complex technical fields of energy and resource policy is demonstrated as well as his simple love of the planet we call home.<

Routledge

Market: Energy/Sustainability

September 2011: 400pp

Hb: 978-1-849-71226-2: **\$35.00**

* For full contents and more information, visit: www.routledge.com/9781849712262

International Energy and Poverty

The emerging contours

Edited by **Lakshman Guruswamy**

Series: *Routledge Studies in Energy Policy*

This book uniquely integrates the hitherto segmented and fragmented approaches to the challenge of access to energy. It provides theoretical, philosophical and practical analysis of energy for the low energy (non-hydrocarbon based) Other Third of the world, and how the unmet needs of the energy poor might be satisfied. It comprehensively addresses the range of issues relating to energy justice and energy access for all, including appropriate sustainable energy technologies (ASET).

Routledge

Market: Energy / Environment, Sustainability / Development

August 2015: 504pp

Hb: 978-1-138-79231-9: **\$160.00**

eBook: 978-1-315-76220-3

* For full contents and more information, visit: www.routledge.com/9781138792319

Energy Security and Cooperation in Eurasia

Power, Profits and Politics

Kate Svyatets, University of Southern California, USA

Series: *Routledge Studies in Energy Policy*

This book explores varying outcomes of energy cooperation, defined as diplomatic relations, bilateral trade, and investment in oil and natural gas. The book looks at economic potential, geopolitical rivalry, and domestic interest groups in the cases of U.S.-Russia, U.S.-Azerbaijan, and Russia-Germany energy ties. It aims to reveal the interplay of economic considerations, domestic politics, and geopolitical rivalries in energy security. This book utilizes an innovative approach of exploring the dyads of states (bilateral relations), rather than structuring research around the sources of energy (oil, gas, nuclear).

Unknown

Market: Energy / Russia

November 2015: 224pp

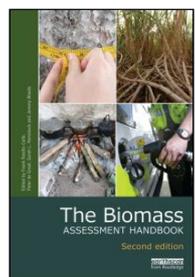
Hb: 978-1-138-90261-9: \$140.00

eBook: 978-1-315-69734-5

* For full contents and more information, visit: www.routledge.com/9781138902619

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The Biomass Assessment Handbook



Edited by Frank Rosillo-Calle, Imperial College London, UK, Peter de Groot, Sarah L. Hemstock and Jeremy Woods

The increasing importance of biomass as a renewable energy source has led to an acute need for reliable and detailed information on its assessment, consumption and supply. Responding to this need, and overcoming the lack of standardised measurement and accounting procedures, this best-selling handbook provides the reader with the skills to understand the biomass resource base, the tools to assess the resource, and explores the pros and cons of exploitation. This new edition has been fully updated and revised with new chapters on sustainability methodologies.

Routledge

Market: Energy

June 2015: 336pp

Hb: 978-1-138-01964-5: \$170.00

Pb: 978-1-138-01965-2: \$74.95

eBook: 978-1-315-72327-3

Prev. Ed Pb: 978-1-844-07526-3

* For full contents and more information, visit: www.routledge.com/9781138019652



Solar Water Pumping

Robert Foster, New Mexico State University, USA, Windy Dankoff, Dankoff Solar Pumps, USA and Alma Cota, Ph.D., NRECA International, USA

Series: *Earthscan Expert*

Pumping water is a universal need for agriculture and the use of solar power is a natural choice for this application. Solar water pumping (SWP) is one of the most simple and straightforward solar applications, providing decades of reliable service. This book provides background theory and useful practical techniques for designing and implementing SWP projects. It covers the solar resource, PV modules, pumps, system sizing, design and installation. It guides the reader to discern when it makes sense to use solar water pumping and how to implement. Examples, illustrations, real world case studies and lessons learned from around the globe are included throughout.

Routledge

November 2015: 234pp

Hb: 978-0-415-71349-8: \$84.95

eBook: 978-1-315-72240-5

* For full contents and more information, visit: www.routledge.com/9780415713498

The International Expansion of Chinese National Oil Companies

Entangled Relations in Latin America and Sub-Saharan Africa

Susana Moreira, World Bank, USA

Series: *Routledge Contemporary China Series*

Oil is the key commodity powering the whole of the current international economic order. This book examines Chinese National Oil Companies' quest for oil overseas, focusing primarily on two of the world's top emerging oil producing regions: Latin America and Sub-Saharan Africa. Detailed research and interviews conducted by the author have resulted in an in-depth and unique account, which provides valuable insights into how and why Chinese NOC's behavior and entangled relations overseas have evolved over the last two decades.

Unknown

Market: Energy / Chinese Studies

November 2015: 256pp

Hb: 978-1-138-85914-2: \$145.00

eBook: 978-1-315-71748-7

* For full contents and more information, visit: www.routledge.com/9781138859142

Energy Security and Natural Gas Markets in Europe

Lessons from the EU and United States

Tim Boersma, The Brookings Institution, Washington, DC, USA

Series: *Routledge Studies in Energy Policy*

Moving beyond most conventional thinking about energy security in Europe which revolves around stability of supplies and the reliability of suppliers, this book presents the history of European policy-making regarding energy resources, including recent controversies about shale gas and fracking. Using the United States as a benchmark, the author tests the hypothesis that EU energy security is at risk primarily because of a lack of market integration and completion. This lack of integration prohibits natural gas to flow freely throughout the continent, which makes parts of Europe vulnerable in case of supply disruptions.

Routledge

Market: Energy / Environment & Sustainability / Economics

September 2015: 192pp

Hb: 978-1-138-79512-9: \$145.00

eBook: 978-1-315-75859-6

* For full contents and more information, visit: www.routledge.com/9781138795129

Bioenergy Crops for Ecosystem Health and Sustainability

Alex Bamber, University of New South Wales, Australia

The growing of crops for bioenergy has been subject to much recent criticism, as taking away land which could be used for food production or biodiversity conservation. This book challenges some commonly-held ideas about biofuels, bioenergy and energy cropping, particularly that energy crops pose an inherent threat to ecosystems, which must be mitigated. While exploring this central argument, the volume also provides a systematic overview of the socio-economic sustainability issues surrounding bioenergy.

Routledge

Market: Environment & Sustainability / Energy / Agriculture

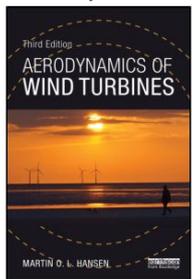
December 2015: 256pp

Hb: 978-1-138-83883-3: \$145.00

eBook: 978-1-315-73378-4

* For full contents and more information, visit: www.routledge.com/9781138838833

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Aerodynamics of Wind Turbines

Martin O. L. Hansen, Technical University of Denmark

Aerodynamics of Wind Turbines is the established essential text for the fundamental solutions to efficient wind turbine design. Now in its third edition, it has been substantially extended with new chapters on vertical axis wind turbines and turbine control and revised throughout to reflect advances in technology, research into rotor aerodynamics and the structural response of the wind turbine structure.

Routledge

Market: Energy

May 2015: 192pp

Hb: 978-1-138-77507-7: \$105.00

eBook: 978-1-315-76998-1

Prev. Ed Hb: 978-1-844-07438-9

* For full contents and more information, visit: www.routledge.com/9781138775077

TEXTBOOK

Energy and the New Reality Set

Two-Volume Set

Danny Harvey, University of Toronto, Canada

In the first volume, L.D. Danny Harvey lays out the theory and practice of how things must change if we are to meet our energy needs sustainably. This is an essential resource for students and practitioners in engineering, architecture, environment and energy related fields. In the second volume Harvey sets out in unprecedented detail the path we must take to minimize the effects that the way we harness energy will have on future climate change. Detailed yet accessible, meticulously researched and reviewed, this work constitutes an indispensable textbook and reference for students and practitioners in sustainable energy and engineering.

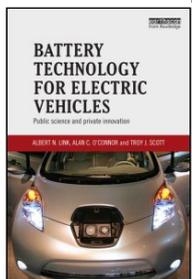
Routledge

April 2015: 1200pp

Pb: 978-1-138-88124-2: \$49.95

* For full contents and more information, visit: www.routledge.com/9781138881242**Battery Technology for Electric Vehicles**

Public science and private innovation



Albert N. Link, University of North Carolina at Greensboro, USA, Alan C. O'Connor, RTI International, USA and Troy J. Scott, RTI International, USA

Electric drive vehicles (EDVs) are seen on American roads in increasing numbers. Related to this market trend and critical for it to increase are improvements in battery technology. This book examines in detail at the research support from the U.S. Department of Energy (DOE) for the development of nickel-metal-hydrate (NiMH) and lithium-ion (Li-ion) batteries used in EDVs. It provides a detailed global evaluation of the net social benefits associated with DOE's investments and the life-cycle approach that allows adopted EDVs to remain on the road over their expected future life, thus generating economic and environmental health benefits into the future.

Routledge

Market: Technology

April 2015: 136pp

Hb: 978-1-138-81110-2: \$64.95

eBook: 978-1-315-74930-3

* For full contents and more information, visit: www.routledge.com/9781138811102**Climate Policy Integration into EU Energy Policy**

Progress and Prospects

Claire Dupont, Institute for European Studies

Series: *Routledge Studies in Energy Policy*

This book explores the integration of long-term climate policy objectives into EU energy policy. It engages in-depth empirical analysis of the integration of climate policy objective over renewable energy policy; energy performance of buildings; and policies in support of natural gas importing infrastructure. Addressing how insufficient level of climate policy integration across these areas affects the long-term policy goals and a conceptual framework to find reasons for insufficient integration levels is included.

Routledge

Market: Energy Policy

October 2015

Hb: 978-1-138-80646-7: \$155.00

eBook: 978-1-315-75166-5

* For full contents and more information, visit: www.routledge.com/9781138806467**Energy Security Cooperation in Northeast Asia**

Edited by Bo Kong, University of Oklahoma, USA and Jae H. Ku, Johns Hopkins University, USA

Series: *Routledge Explorations in Environmental Studies*

Drawing on cutting-edge research from leading scholars, this book investigates state preferences for regime creation and assesses state capacity for executing these preferences in Northeast Asia's energy domain, defined as the geographical area comprising the following countries – Russia, Mongolia, China, Japan, South Korea and North Korea. Specifically, the book examines questions pertaining to how states perceive the need and necessity for establishing a regime when it comes to the issue of energy and how much commitment they make to the effort in Northeast Asia.

Unknown

Market: Environment, Sustainability

May 2015: 240pp

Hb: 978-1-138-78530-4: \$140.00

eBook: 978-1-315-76794-9

* For full contents and more information, visit: www.routledge.com/9781138785304**The Environmental Impacts of Renewable Energy**

Alexander Clarke, University of Bath, UK

How much energy can we extract before impacts become significant? What factors determine the impact? How can we reduce the impacts? This book attempts to answer these questions. The nature of environmental impacts from renewable sources is analysed. A novel method of assessing impacts is explored based on a set of parameters centred on how diffuse or concentrated the energy flow is. What this means in practice for land use and the functions of energy in the natural world is investigated. The approach that is developed will inform engineers, designers, policy makers and planners as well as researchers in the area.

Routledge

Market: Renewable Energy, Environment and Sustainability

December 2015: 256pp

Hb: 978-0-415-72217-9: \$180.00

Pb: 978-0-415-72218-6: \$59.95

* For full contents and more information, visit: www.routledge.com/9780415722186

Heat Pump Planning Handbook

Jurgen Bonin, Umwelt & Technik, Germany

The Heat Pump Planning Handbook contains practical information and guidance on the design, planning and selection of heat pump systems, allowing engineers, designers, architects and construction specialists to compare a number of different systems and options. Including detailed descriptions of components and their functions and reflecting the current state of technology this guide contains sample tasks and solutions as well as new model calculations and planning evaluations. Also economic factors and alternative energy sources are covered, which are essential at a time of rising heat costs.

Routledge

Market: Energy

May 2015: 320pp

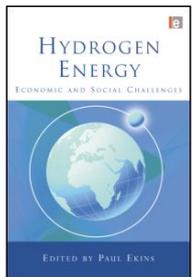
Pb: 978-1-138-78482-6: \$89.95

eBook: 978-1-315-70858-4

* For full contents and more information, visit: www.routledge.com/9781138784826

Hydrogen Energy

Economic and Social Challenges



Edited by Paul Ekins

This book, based on four years of detailed research, subjects the promise and potential of hydrogen to searching, in-depth socio-economic analysis. It discusses the different technologies for the production, distribution, storage and use of hydrogen, and analyzes the economics of these technologies and their current market prospects. It also describes various experiences with aspects of a hydrogen economy in two parts of the world – the UK and Canada – and then assesses the nature of different hydrogen futures that might develop depending on how the technology, economics, social acceptance and policy frameworks play out in different contexts.

Routledge

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Hb: 978-1-844-07680-2: \$90.00

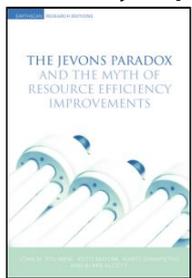
Pb: 978-1-138-88125-9: \$49.95

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The Jevons Paradox and the Myth of Resource Efficiency Improvements



John M. Polimeni and Kozo Mayumi

This is the first book to provide a historical overview of the Jevons Paradox, provide evidence for its existence and apply it to complex systems. Written and edited by world experts in the fields of economics, ecological economics, technology and the environment, it explains the myth of efficiency and explores its implications for resource usage (particularly oil). It is a must-read for policymakers, natural resource managers, academics and students concerned with the effects of efficiency on resource use.

Routledge

April 2015

Hb: 978-1-844-07462-4: \$135.00

Pb: 978-1-138-86695-9: \$49.95

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Routledge

Market: Solar energy/renewable energy

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Pb: 978-1-138-80628-3: \$26.95

eBook: 978-1-315-75177-1

Prev. Ed Pb: 978-1-849-71080-0

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Peak Energy Demand and Demand Side Response

Jacopo Torriti, University of Reading, UK

Series: *Routledge Explorations in Environmental Studies*

Most energy consumption is charged regardless of peak times and there are increasing concerns around the intermittency of renewable energy supply and how excessive peaks in energy demand can bring about significant negative environmental and economic impacts. Using several international case studies of price-based and incentive-based programmes, this book explores the extent to which peak demand problems can be tackled with demand side response intervention.

Routledge

Market: Environment and Sustainability / Renewable Energy

July 2015: 184pp

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eBook: 978-1-315-78109-9

* For full contents and more information, visit: www.routledge.com/9781138016255



Small Wind Turbines

Technology and Application

Edited by Joe Howe, University of Central Lancashire, UK and George Hall, University of Central Lancashire, UK

Small wind turbines focuses on small scale on-shore wind turbines (SWT) bringing together the most recent accumulated research and developments. Covering the technology, design, planning (including radar problems), grid connection, maintenance and condition monitoring of SWT to give a thorough picture of the sector. The book also covers the economics and future applications of wind energy in a smart energy market.

Routledge

Market: Energy

September 2015

Hb: 978-1-138-79994-3: \$85.00

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Series: Energy Pocket Reference

Drawing on the experience of some of the foremost experts in the field, this easy-to-use and affordable pocket reference includes a wealth of information relating to solar energy and solar energy technologies. Topics covered range from solar angles, sun path diagrams, solar radiation and radiative properties of materials through to thermal collectors, thermal energy storage, photovoltaics and daylighting. The book also includes conversion factors and constants and is peppered throughout with helpful illustrations, equations and explanations that have been updated for this second edition.

Routledge

Market: Solar energy/renewable energy

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eBook: 978-1-315-75176-4

Prev. Ed Pb: 978-1-844-07306-1

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Sustainable Urban Energy Policy

Heat and the City

Edited by Janette Webb, University of Edinburgh, UK and David Hawkey, University of Edinburgh, UK

Series: Routledge Studies in Energy Policy

This book debates the major public issue of developing a sustainable, clean and affordable energy system by adopting a distinctive focus on heating in cities. In this way, the book constructs an original account of clean energy policy, politics and provision, grounded in new empirical data derived from case studies of urban and multi-level governance of sustainable heat and energy saving in the UK and Europe. Offering an original conceptual framework, this study builds on socio-technical studies, economic and urban sociology, human geography, applied economics and policy studies in order to understand energy governance and systemic change in energy provisions.

Routledge

Market: Environment, Sustainability

October 2015: 224pp

Hb: 978-1-138-82609-0: **\$145.00**Pb: 978-1-138-82612-0: **\$48.95**

eBook: 978-1-315-73953-3

* For full contents and more information, visit: www.routledge.com/9781138826120

The Legacy of Nuclear Power

Andrew Blowers, Professor Emeritus in Social Sciences, Open University

This book uses research on nuclear communities to explore social and political context of nuclear policy making. In the early part of the book a historical perspective illuminates the shifting power relations that have helped to shape the persistent political geography of the nuclear industry. Although the geography is established the power of nuclear communities has been strengthened through participation to exercise leverage in decision making. The long-term management of nuclear waste remains a problem without a clear solution in many countries. Overall, the book explains both the failures and the prospects for a solution to the abiding problem of nuclear's legacy.

Unknown

Market: Energy

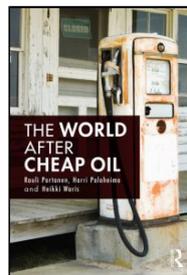
October 2015: 272pp

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The World After Cheap Oil



Rauli Partanen, Peak Oil Finland, Harri Paloheimo, Peak Oil Finland and Heikki Waris, Peak Oil Finland

The World After Cheap Oil offers a thorough package of information about oil; its uses and its role in our society's important sectors. It presents the most prominent substitutes and alternatives, and their limits and promises. It also delves deep into the many risks, problems and mechanisms that can make the world after cheap oil a much more unstable place for nations and humanity as a whole. The book also explains why there has been so little public debate on the subject, and what the future might look like after oil production starts its final, terminal decline.

Routledge

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Handbook of UK Wind Energy Technologies

Edited by Simon Hogg and Christopher Crabtree

The book covers the full range of engineering topics from harvesting energy from the wind through to transmission and connection to the National Grid. Specifically the topics are: wind resource assessment, turbine array layout, environmental interactions, control of turbines, drive train reliability and condition monitoring, turbine array electrical connection, power transmission to grid, assessment of operations and maintenance strategies, and the analysis of turbine foundations and structures. Each of these components contributes to the over-riding technical objective of reducing the cost of energy from wind.

Routledge

Market: Energy

September 2015: 224pp

Hb: 978-1-138-78046-0: **\$140.00*** For full contents and more information, visit: www.routledge.com/9781138780460

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Understanding Renewable Energy Systems

Volker Quaschnig, Berlin University of Applied Sciences, Germany

This text not only describes technological aspects, but also deals consciously with problems of the energy industry. In this way, the topics are treated in a holistic manner, bringing together maths, engineering, climate studies and economics, and enabling readers to gain a broad understanding of renewable energy technologies and their potential. This book is an ideal companion for students of renewable energy on courses such as renewable energy, electrical engineering, engineering technology, physics, process engineering, building engineering, environment, applied mechanics and mechanical engineering, as well as scientists and engineers in research and industry.

Routledge

October 2015: 296pp

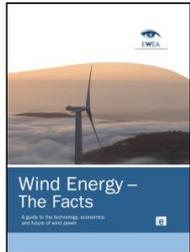
Hb: 978-1-138-78194-8: **\$180.00**Pb: 978-1-138-78196-2: **\$68.95**

Prev. Ed Pb: 978-1-844-07128-9

* For full contents and more information, visit: www.routledge.com/9781138781962

Wind Energy – The Facts

A Guide to the Technology, Economics and Future of Wind Power



European Wind Energy Association

First Published in 2009. Routledge is an imprint of Taylor & Francis, an informa company.

Routledge

April 2015

Hb: 978-1-844-07710-6: \$105.00

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eBook: 978-1-849-77378-2

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Series: *Energy Pocket Reference*

Topics covered range from wind resources to wind turbines, covering offshore and onshore power, both stand-alone and grid-connected. The book also includes vital information on international economic support schemes and incentives and environmental issues and is peppered throughout with helpful illustrations, equations and explanations. Renewable energy professionals, students and wind energy entrepreneurs amongst others will find a host of answers in this essential book – a practical assimilation of data, fundamentals and guidelines for application.

Unknown

Market: Wind energy/Renewable energy

September 2015: 3 3/4 x 6 1/8: 96pp

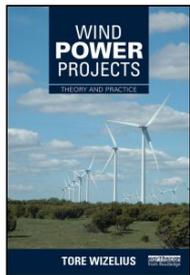
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Wind Power Projects

Theory and Practice



Tore Wizelius, Windpower Project Developer, Sweden

Windpower is developing rapidly, in terms of both the number of new installations and in interest from stakeholders including policy makers, NGOs, research scientists, industry and the general public. Unlike the majority of texts on wind power which are written primarily for engineers or policy analysts, this book specifically targets those interested in, or planning to develop, wind power projects. The author explores the interactions between wind power and society, and the main aspects of project development, including siting, economics and legislation.

Unknown

Market: Energy/wind energy

April 2015: 272pp

Pb: 978-1-138-78045-3: \$79.95

eBook: 978-1-315-77071-0

* For full contents and more information, visit: www.routledge.com/9781138780453

The Renewable Energy Landscape

Managing and Limiting Aesthetic Impacts

Edited by Dean Apostol, Richard C Smardon, James F Palmer, Robert Sullivan and Martin J Pasqualetti

This book forms a new framework for analyzing, describing, and conserving resources in the face of mounting pressures to develop renewable energy projects. The future of energy is in renewables, and this has already affected thousands of acres of land, with much having been essentially converted into industrial landscapes with little concern for the aesthetic impact. Managers and regulators presently lack an objective, standardized framework for understanding and managing scenic impacts from renewable energy. This book defines the current state for evaluating, avoiding, and mitigating aesthetic impacts to landscapes due to renewable energy development and proposes the effective ways forward.

Routledge

Market: Landscape / Impact Assessment

September 2015: 312pp

Hb: 978-1-138-80898-0: \$105.00

* For full contents and more information, visit: www.routledge.com/9781138808980

Managing China's Energy Sector

Between the Market and the State

Edited by Hongyi Lai and Malcolm Warner, University of Cambridge, UK

This book examines the past, present and future management of China's energy sector. Its rapid economic growth over the last three decades has made China the world's top source of carbon emissions. Dealing with its energy, economic and environmental strategies in the next decades are issues of not only national and regional, but also global concern. This book was originally published as a special issue of the *Asia Pacific Business Review*.

Routledge

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July 2015: 160pp

Hb: 978-1-138-85828-2: \$150.00

* For full contents and more information, visit: www.routledge.com/9781138858282

Renewable Energy Policies in South Asia

Making Solar Lighting Work

Sam Wong, University of Liverpool, UK

Series: *Routledge Contemporary South Asia Series*

The World Bank's 'Design Principles' for successful renewable energy interventions are cost management, good governance and a choice of technology that meets local needs. Focusing on solar lighting and drawing on case studies in Bangladesh and India, this book problematizes the underpinning assumptions of the 'Design Principles'. It critically examines the obstacles against effective implementation in the field and points to the weaknesses of the World Bank's renewable energy policies.

Routledge

Market: Environmental Studies, South Asian Studies

August 2015: 204pp

Hb: 978-0-415-50553-6: \$140.00

* For full contents and more information, visit: www.routledge.com/9780415505536

The Opportunity of Bioelectricity

Johan Albrecht, Universiteit Gent, Belgium

Series: *Routledge Explorations in Environmental Economics*

This book presents a balanced view of bioelectricity from a dynamic perspective by exploring the strengths, weaknesses, opportunities and threats of using biomass as a source of electricity. The analysis includes a detailed economic and environmental comparison of biomass generation technologies to other generation technologies (other renewable sources, fossil fuels and nuclear technologies).

Routledge

Market: Economics

September 2015: 224pp

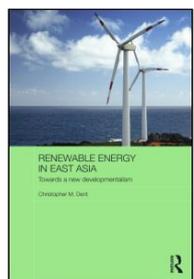
Hb: 978-1-138-01323-0: \$155.00

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Renewable Energy in East Asia

Towards a New Developmentalism



Christopher M. Dent, University of Leeds, UK

Series: *Routledge Contemporary Asia Series*

This book is the first study that looks specifically at renewable energy in East and Southeast Asia. Written principally from a political economy approach that takes multiple perspectives into account such as policy and governance, economic development, business and industry, technology and innovation, environmentalism and socio-technical issues, this book will be of huge interest to students and scholars of Asian studies, economics, political economy, energy studies, business, development, international relations, and environmental studies.

Routledge

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November 2014: 340pp

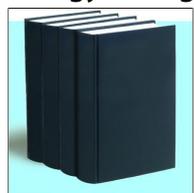
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work addresses both existing and potential future renewable energy technologies and systems.

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July 2015: 1342pp

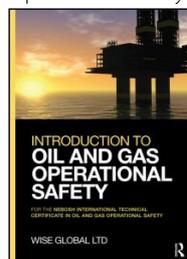
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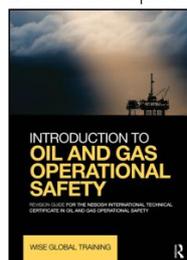
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With reference to the textbook, this revision guide provides complete coverage in bite-sized chunks to help you pass the certificate and become an efficient practitioner in the Oil and Gas industry.

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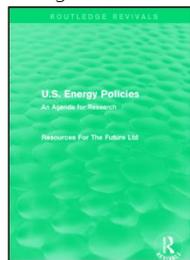
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Resources For The Future Ltd

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Routledge

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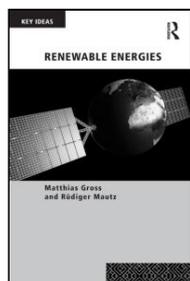
February 2015: 152pp

Hb: 978-1-138-85715-5: \$105.00

eBook: 978-1-315-71885-9

* For full contents and more information, visit: www.routledge.com/9781138857155

Renewable Energies



Matthias Gross, Helmholtz Centre for Environmental Research, UFZ, Germany and Rüdiger Mautz, Sociological Research Institute of Göttingen (SOFI), Germany

Series: *Key Ideas*

This concise book focuses on the importance of the global aspects of alternative energy consumption. Focusing on theories of energy use and possible energy transition, *Renewable Energies* delivers an accessible overview on the relationships between different types of energy production and their practical usages in modern societies. It evaluates different types of energy production, not independently from each other, but as culturally and socially dependent on one another. The book also reflects on challenges for social science analysis in a politically steered

realm of research.

Routledge

Market: Sociology/Environmental Sociology

September 2014: 176pp

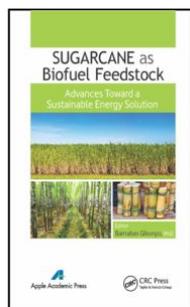
Hb: 978-0-415-85861-8: \$140.00

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Sugarcane as Biofuel Feedstock

Advances Toward a Sustainable Energy Solution



Edited by Barnabas Gikonyo, State University of New York (SUNY), Geneseo, New York, USA

As the world's energy hunger grows ever larger, fossil fuel reserves are diminishing—and concerns about climate change remind us that our love affair with fossil fuels cannot continue much longer. This has inspired intense research into sustainable energy sources. Biofuels seemed initially promising, but the world soon realized that food-based biofuel has its own dangers. Second-generation biofuels, however, use biomass from crops' inedible parts—such as the stalks and leaves of sugarcane—offering a far more viable solution. In this book, researchers from around the world review some of the most important and timely topics related to using sugarcane feedstock for biofuel.

Apple Academic Press

Market: Environmental Engineering

May 2015: 6-1/8 x 9-1/4: 338pp

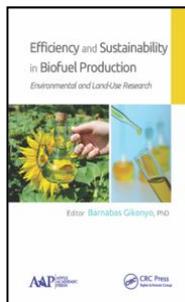
Hb: 978-1-771-88129-6: \$139.95

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* For full contents and more information, visit: www.crcpress.com/9781771881296

Efficiency and Sustainability in Biofuel Production

Environmental and Land-Use Research



Edited by Barnabas Gikonyo, State University of New York (SUNY), Geneseo, New York, USA

The world's interest in reducing petroleum use has led to the rapid development of the biofuel industry over the past decade or so. However, there is increasing concern over how current food-based biofuels affect both food security and the environment. Second-generation biofuels, however, use widely available sources such as non-food lignocellulosic-based biomass and fats, oils, and greases. They make practical consideration of how land use can simultaneously support both the world's food needs and some of its energy needs. This volume consolidates some of the most recent investigations into these issues.

Apple Academic Press

Market: Environmental Engineering

May 2015: 6-1/8 x 9-1/4: 345pp

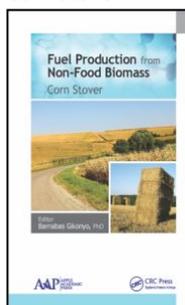
Hb: 978-1-771-88131-9: \$139.95

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* For full contents and more information, visit: www.crcpress.com/9781771881319

Fuel Production from Non-Food Biomass

Corn Stover



Edited by Barnabas Gikonyo, State University of New York (SUNY), Geneseo, New York, USA

The practice of converting corn to ethanol is controversial, with debates currently being raged in both public policy and science. While biofuels from corn have important implications in alleviating some of the global energy crisis, critics argue that it takes away from vital agricultural products needed to feed the world's growing population. The current volume maintains there is a third way, a method of producing biofuel that only uses biomass that is left behind after all agricultural and nutritional products have been harvested from corn. This biomass is referred to as corn stover. The book serves as an important introduction to this method of producing biofuels from agricultural waste.

Apple Academic Press

Market: Environmental Engineering

May 2015: 6-1/8 x 9-1/4: 351pp

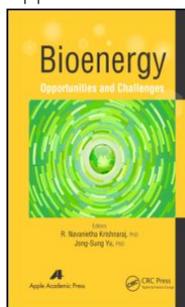
Hb: 978-1-771-88123-4: \$149.95

eBook: 978-1-498-72843-0

* For full contents and more information, visit: www.crcpress.com/9781771881234

Bioenergy

Opportunities and Challenges



Edited by R. Navanietha Krishnaraj, National Institute of Technology, Durgapur, India and Jong-Sung Yu, Korea University, Seoul, South Korea

Energy is one of the prime needs of the modern world, and energy demands have been rapidly increasing in the recent years owing to rapid advancements in industrialization and population explosion. Conventional fossil fuels are being depleted at rapid rates, and the use of conventional sources such as coal or nuclear sources cause several hazards to the environment. New sources of fuel are an ideal option for fulfilling ever-increasing energy demands. This important book offers an exploration of alternate fuel sources, including biohydrogen, microbial fuel cells, bioethanol, and biodiesel production, focusing on the challenges hindering the real-time application

of these bioenergy sources.

Apple Academic Press

Market: Environmental Engineering

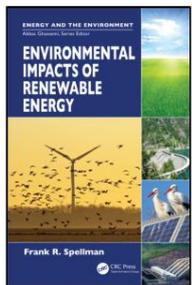
May 2015: 6-1/8 x 9-1/4: 340pp

Hb: 978-1-771-88109-8: \$139.95

eBook: 978-1-498-72205-6

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Environmental Impacts of Renewable Energy



Frank R. Spellman, Spellman Environmental Consulting, Norfolk, Virginia, USA

Series: *Energy and the Environment*

This book outlines the environmental implications of several renewable energy sources, including solar, wind, hydro, tidal, biomass, and geothermal. Each comes with its own unique benefits as well as downsides. For example, impacts might include sensitive land use concerns, animal habitat disruption/displacement, noise pollution (wind turbines), hazardous materials use for processing (solar panels and fuel cells), sulfur dioxide emissions, land subsidence/sinkholes, and increased risk for earthquakes (geothermal), heavy water use, nitrogen oxides (NOx) emissions, and smog (biomass).

CRC Press

Market: Environmental Engineering
December 2014: 6-1/8 x 9-1/4: 478pp
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eBook: 978-1-482-24947-7

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Hydroelectric Energy

Renewable Energy and the Environment

Bikash Pandey, South Asia Clean Energy Group, USA and Ajoy Karki, Pulchowk, Nepal

Series: *Energy and the Environment*

Providing essential theory and useful practical techniques for implementing hydroelectric projects, this book outlines the resources, power generation technologies, applications, and strengths and weaknesses for hydroelectric technologies. Emphasizing the links between energy and the environment, it serves as a useful background resource and facilitates decision-making regarding which renewable energy technology works best for different types of applications and regions. Including examples, real world case studies, and lessons learned, each chapter contains exercise questions, references, and ample photographs and technical drawings from actual micro hydropower plants.

CRC Press

October 2015: 7 x 10: 384pp
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eBook: 978-1-439-81168-9

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Electric Power

Energy Sources, Prime Movers, and Power Grids

Paul K. Andersen

Series: *Energy and the Environment*

This book examines the generation, transmission, distribution, and applications of electric power at a level suitable for practicing professionals and upper level undergraduates in science and engineering programs. It examines the demands and generation of conventional and alternative energy technologies and considers the economic and environmental aspects throughout. It also discusses prime movers in energy: heat engines, water and wind turbines, electrochemical systems, and photovoltaics. The book covers all facets of power grids, including generators, transformers, transmission and distribution systems, electric motors, and protective systems.

CRC Press

Market: Energy & Clean Technology
December 2015: 6-1/8 x 9-1/4: 448pp
Hb: 978-1-482-24024-5: \$129.95
eBook: 978-1-482-24025-2

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1 Volume Set

The Geothermal World: Past, Present and Future

Power Plants and Geothermal Fields



Edited by Ruggero Bertani, Enel Green Power, Pisa, Italy

Series: *Sustainable Energy Developments*

Covering the history of geothermal science, focussing on electricity production. A major portion of the book is devoted to geothermal energy generation in various countries with a specific section on each geothermal field and their major characteristics. It further provides detailed coverage of future development tracks and trends: foreseeable reduction of capacity factor, the basic power plant technology and temperature dependence of the conversion efficiency and finally a forecast of the geothermal potential, both short and long term, and its contribution to CO₂ emission reduction.

CRC Press

Market: Environmental Engineering
January 2016: 350pp
Hb: 978-0-415-63691-9: \$159.95
eBook: 978-1-315-81509-1

* For full contents and more information, visit: www.crcpress.com/9780415636919

Red Sea Geothermal Provinces

D. Chandrasekharam, Aref Lashin, King Saud University, Riyadh, Saudi Arabia, Nassir Al Arifi, King Saud University, Riyadh, Saudi Arabia and Abdulaziz M Al-Bassam, King Saud University, Riyadh, Saudi Arabia

The book includes geological, geophysical and geochemical investigations on the geothermal provinces in Red Sea countries and analyzes the usage of fossil fuel and emissions of carbon dioxide and provides mitigation strategies for emission reduction, without compromising energy supply and energy security. Useful to policymakers, investors, climate change experts, research scholars and faculty in geology, geophysics, petroleum geology and geothermal engineers and scientists. With global markets open, investment opportunities in all the countries and investors looking for opportunities to expand their business, this book will play a key role in the global energy market.

CRC Press

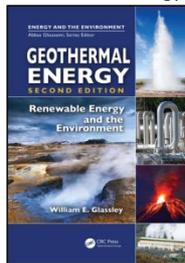
Market: Environmental Engineering
July 2015: 250pp
Hb: 978-1-138-02696-4: \$99.95
eBook: 978-1-315-74739-2

* For full contents and more information, visit: www.crcpress.com/9781138026964

2nd Edition · NEW EDITION

Geothermal Energy

Renewable Energy and the Environment, Second Edition



William E. Glassley, Department of Earth and Planetary Sciences, University of California, Davis, USA and The Energy Institute, University of California, Davis, USA and Geologisk Institut, Aarhus University, Denmark

Series: *Energy and the Environment*

Fully updated and featuring a new chapter on enhanced geothermal systems, this second edition of a Choice Award winner contains the latest scientific information used to discern applications and regions best suited for geothermal energy. Stressing environmental effects related to acquisition and consumption, the text explores where geothermal energy comes from and how to find it, as well as how it can be accessed,

applied, and improved for future use. It provides background, theory, and practical techniques for implementing different types of geothermal energy projects.

CRC Press

Market: Energy & Clean Technology
October 2014: 7 x 10: 423pp
Hb: 978-1-482-22174-9: \$149.95
eBook: 978-1-482-22175-6
Prev. Ed Hb: 978-1-420-07570-0

* For full contents and more information, visit: www.crcpress.com/9781482221749

2nd Edition · NEW EDITION

Energy Efficiency and Renewable Energy Handbook, Second Edition

Edited by **D. Yogi Goswami**, University of South Florida, Tampa, USA and **Frank Kreith**, University of Colorado, Boulder, USA (retired)

Series: Mechanical and Aerospace Engineering Series

This book has been a bestselling reference in its first edition; the new second edition represents a thorough updating of the contents to reflect the major trends and technologies in energy engineering. There is added coverage of nuclear energy and its place in energy systems, a chapter on natural gas, and extensive coverage of energy storage for various types of energy generation. Existing chapters have been updated, and the newest data is supplied for reference.

CRC Press

August 2015: 7 x 10: 1640pp

Hb: 978-1-466-58508-9: **\$249.95**

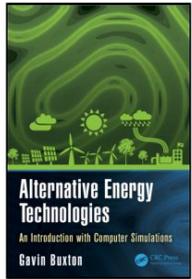
eBook: 978-1-466-58509-6

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Alternative Energy Technologies

An Introduction with Computer Simulations



Gavin Buxton, Robert Morris University, 6001 University Blvd, Moon Township, PA 15108, USA

Series: Nano and Energy

This text explores the science and engineering behind emerging alternative energy technologies, including polymer solar cells, algae biofuels, and artificial leaves. It also addresses the environmental need for these technologies. Unlike its predecessors, this book employs simple computer models implemented within spreadsheet environments to simulate different aspects of the alternative energy technologies and therefore teach the subject matter. This unique approach elucidates the fundamental behaviors and complex interactions within the alternative energy systems and makes computer

simulation accessible to readers with no prior programming experience.

CRC Press

Market: Energy

December 2014: 6-1/8 x 9-1/4: 302pp

Hb: 978-1-482-21703-2: **\$129.95**

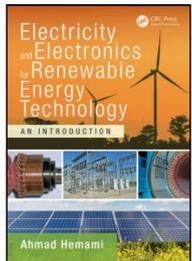
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TEXTBOOK

Electricity and Electronics for Renewable Energy Technology

An Introduction



Ahmad Hemami

Series: Power Electronics and Applications Series

This unique, self-contained book consolidates all that a technical person working with renewable energy needs to know about electricity and electronics. It describes the fundamentals of electricity plus the major components such as motors, generators, and transformers, and explains the fundamentals of digital electronics, logic circuits, and their applications.

CRC Press

Market: Engineering - Mechanical

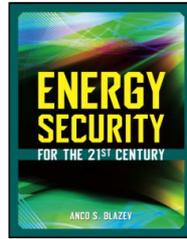
August 2015: 7 x 10: 712pp

Hb: 978-1-482-26176-9: **\$139.95**

eBook: 978-1-482-26178-3

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Energy Security for the 21st Century



Anco S. Blazev, President and CTO, Solar Tech, Inc., Tempe, Arizona, USA

This book takes a very close look at energy and energy security from a hands-on, technical point of view with an ultimate goal of sorting out and explaining the deep meaning of energy as well as the key factors and variables of our energy security. The book reviews the major energy sources—coal, crude oil, natural gas, the renewables, and other alternative fuels and technologies—according to the way they affect our energy security now and what consequences might be expected in the future. Topics include the different technical, logistics, regulatory,

social, political, and financial aspects of modern energy products and technologies.

Fairmont Press

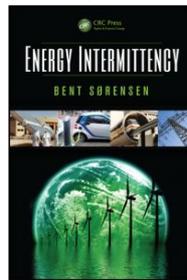
Market: Electrical Engineering

February 2015: 8-1/2 x 11: 700pp

Hb: 978-1-498-70966-8: **\$149.95**

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Energy Intermittency



Bent Sorensen, Roskilde University, Denmark

In one concise volume, this practical text provides a comprehensive overview of all the causes and remedies of energy intermittency. It describes different levels of variability for traditional and renewable energy sources, presenting detailed solutions for handling energy intermittency through trade, collaboration, demand management, and active energy storage. It simulates scenarios regarding resource time-flow, energy conversion devices, and demand structure to assist in evaluating technical viability. It also discusses the conditions for establishing such systems in terms of economic requirements and regulatory measures.

CRC Press

Market: Electrical Engineering

November 2014: 6-1/8 x 9-1/4: 275pp

Hb: 978-1-466-51606-9: **\$89.95**

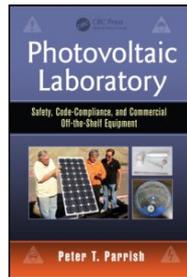
eBook: 978-1-466-51607-6

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TEXTBOOK

Photovoltaic Laboratory

Safety, Code-Compliance, and Commercial Off-the-Shelf Equipment



Peter T. Parrish, Santa Monica College, California, USA

This textbook is ideal preparation for those seeking a career in the photovoltaic (PV) industry. It is the only textbook that offers students the opportunity to design, build, test, and troubleshoot practical PV systems based on commercially available equipment. Complete with electrical schematics, layouts, and step-by-step installation instructions, this hands-on laboratory manual provides in-depth, project-driven instruction on safety, trade math, circuit measurement, site survey, mechanical and electrical integration, characterization of PV modules, and the design, installation, and testing of different off-grid and grid-tied PV systems.

CRC Press

Market: Engineering - Electrical

April 2015: 6-1/8 x 9-1/4: 376pp

Pb: 978-1-482-24443-4: **\$89.95**

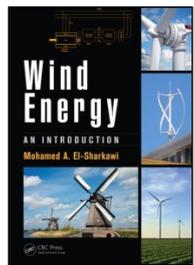
eBook: 978-1-482-24444-1

* For full contents and more information, visit: www.crcpress.com/9781482244434

TEXTBOOK

Wind Energy

An Introduction



Mohamed A. El-Sharkawi, University of Washington, Seattle, USA

Wind energy is a substantial source of electricity. Wind power plants are installed at high capacities all over the world. With modern designs and control, wind power plants are now comparable to conventional generations in terms of capacity and control. Thus, this technology must move from the research level to the educational level. This book comprehensively covers the main aspects of wind energy types, operation, modeling, analysis, integration, and control.

CRC Press

Market: Engineering - Electrical

June 2015: 7 x 10: 350pp

Hb: 978-1-482-26399-2: \$99.95

eBook: 978-1-482-26400-5

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Microgrid Technology

Vivek Agarwal, Sushil Thale and Rupesh G. Wandhare

Microgrids based on renewable energy sources are likely to be in good demand in the current scenario where the awareness about environmental cleanliness continues to grow. This book comprehensively covers details of microgrid technology in the form of basics, various architectural schemes, power electronics interfaces, their designs, grid interface, various forms and strategies of control, communication protocols, protections systems, islanding issues, standards, and its integration into a smart grid.

CRC Press

January 2016: 6-1/8 x 9-1/4: 290pp

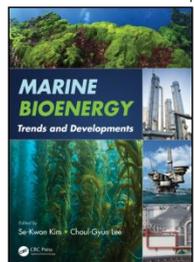
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eBook: 978-1-466-59197-4

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Marine Bioenergy

Trends and Developments



Edited by Se-Kwon Kim, Pukyong National University, Busan, South Korea and Choul-Gyun Lee, Inha University, Nam-Gu, Incheon, Korea

This book offers an overview of current trends in marine bioenergy of various relevant topics. These include such areas as biodiesel, biothermal, biomethane, bioghydrogen, and bioelectricity and their characterization as well as the environmental, social, and economic benefits (e.g. climate change, air pollutions, waste management, energy security and diversity, sustainable electricity, renewable resources, and agriculture). It covers the production of marine biology and problems associated with it as well as possible solutions.

CRC Press

Market: Energy & Clean Technology

May 2015: 7 x 10: 768pp

Hb: 978-1-482-22237-1: \$219.95

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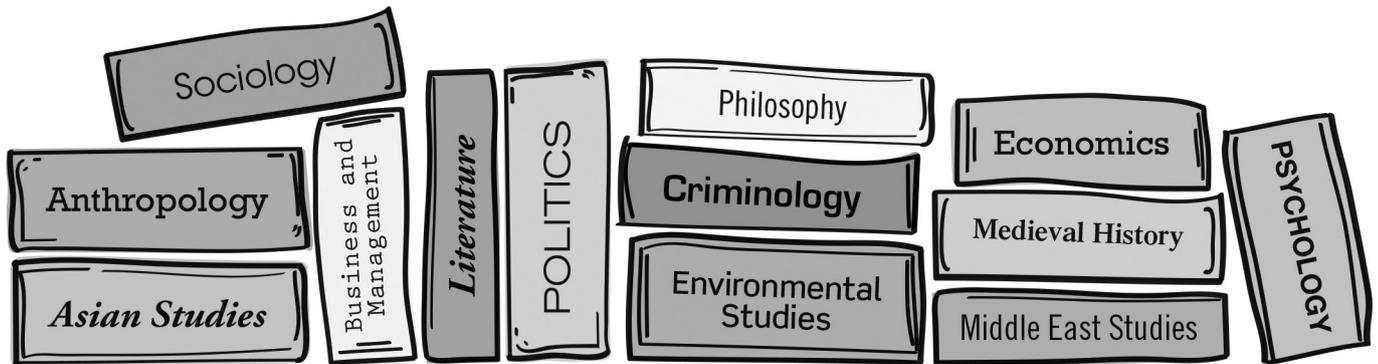
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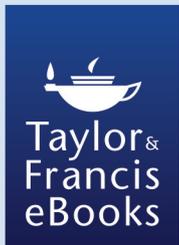
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