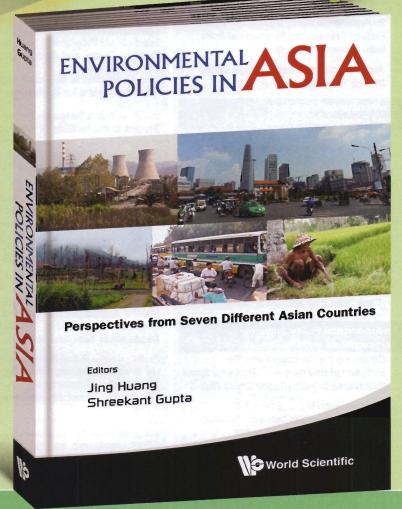


Environmental Policies in Asia highlights the environmental challenges Asian planners and policymakers face as the continent undergoes rapid economic growth in the 21st Century. Edited by Jing Huang and Shreekant Gupta, with contributions from leading Asian scholar practitioners, this timely and unique volume is the first of its kind to look at environmental policies and governance from the perspective of seven dynamic Asian countries. These include developed economies of Japan and Singapore, emerging giants such as China and India and rapidly developing nations such as Vietnam, Indonesia and Malaysia. The volume discusses environmental challenges that stem from issues as local as poor recycling practices, to ones that are as vast and complex as global climate change. Engaging, accessible, and pan-Asian in scope, the essays also present creative ways in which these challenges are being addressed. This book is valuable to anyone who is keen on understanding Asia, its growth, and whether its rise is environmentally sustainable.



About the Editors



Jing Huang is a Professor and Director of the Centre on Asia and Globalisation at the Lee Kuan Yew School of Public Policy. He is an internationally recognised expert on Chinese politics, China's foreign relations and security issues in Asia–Pacific. He has written two books and numerous journal articles, book chapters, policy papers, and op-eds on Chinese politics, China's foreign policy, the military, US-China relations, and security issues in Asia-Pacific. His book, Factionalism in Chinese Communist Politics (Cambridge University Press, 2000), won the prestigious Masayoshi Ohira Memorial Prize in 2002. Huang received his PhD in Political Science from Harvard University.



Shreekant Gupta is an Associate Professor of Economics at the Delhi School of Economics and Adjunct Associate Professor at the Lee Kuan Yew School of Public Policy. He has worked as a researcher, policymaker and consultant on environment, natural resources, energy and urban issues. He has been a Fulbright Fellow at the Massachusetts Institute of Technology and Shastri Fellow at Queens University, Canada. He has served on several national and international committees on environmental and urban issues including the Intergovernmental Panel on Climate Change that was awarded the Nobel Peace Prize in 2007. He received his PhD from the University of Maryland in 1993.

200pp May 2014 978-981-4590-47-1 -S\$58- S\$43.50

Quote WSEP25 to enjoy **25% Off** your purchase till **30 June 2014**. www.worldscientific.com/worldscibooks/10.1142/9109







Contents

Introduction

 Environmentally Sustainable Development in Asia: Challenges and Choices (Jing Huang)

Key Issues in Combating Environmental Concerns In Asia

- Environmental Policy and Governance in a Federal Framework: Perspectives from India (Shreekant Gupta)
- Japan's Role in Climate Change Issues (Ryuzo Yamamoto)

Environmental Impacts of 'Fast Development in Asia'

- Policies for Environmentally Sustainable Development: Perspectives from Vietnam (Nguyen Huu Ninh)
- Resource-Environmental Foundation for Green and Low-Carbon Development in China (Zhu Shou-xian)
- China's Environmental Governance:
 Evolution and Limitations (Wu Fuzuo)
- Fragmentation to Integration: Environmental and Sustainable Development Challenges in Malaysia (Chee Yoke Ling and Lim Li Ching)

Environmental Policy Implementation: Achievements and Challenges

- Governing the Common Firm: The Evolution of Environmental Policy for Small Businesses in India (Sudhir Chella Rajan)
- Environmental Management 3.0: Connecting the Dots between Pollution, Sustainability, Transparency and Governance in Indonesia (Shakeb Afsah and Nabiel Makarim)
- Environmental Law, Policy, Governance and Management for Cities: Getting it right for a Sustainable Future—The Singapore Experience (Lye Lin-Heng)
- Trade-offs and Synergies for Sustainable Development and Climate Stabilisation in Asian regions (Keigo Akimoto, Fuminori Sano, Ayami Hayashi, Takashi Homma, Junichiro Oda, Kenichi Wada, Miyuki Nagashima, Kohko Tokushige and Toshimasa Tomoda)

Concluding Thoughts

 Future Environmental Challenges for Asia (Shreekant Gupta)

> 25% OFF valid till 30 June 2014 Quote WSEP25

About the Contributors

Ryuzo Yamamoto is a Professor in the Faculty of Business Management, Fuji-Tokoha University. His current research interests include the economics of global warming, projects for reducing GHG, policies for energy and electricity supply and decision making for overseas projects. He has been involved in several environmental projects, both in Japan and overseas, including Indonesia, India, China, Ukraine and Russia.

Nguyen Huu Ninh is Chairman of the Centre for Environment Research, Education and Development and Lecturer of the Vietnam National University. He is also a Co-Founder of the International Programme on Climate Change and Variability Risk Reduction based in the Pacific Disaster Centre, and Adjunct Faculty of the San Diego State University.

Zhu Shou-xian is Associate professor in the Institute for Urban and Environmental Studies & Research Centre for Sustainable Development, Chinese Academy of Social Sciences.

Wu Fuzuo is a Research Fellow (Assistant Professor) at the Centre for Chinese Foreign Policy Studies at the Institute of International Studies, Fudan University. She has published a few peer reviewed articles on academic journals in Chinese and English in addition to her book in Chinese Energy Competition and Cooperation among Asian Energy Consuming Countries: A Game Theory Analysis (Shanghai: Shanghai People's Publishing House, 2010).

Chee Yoke Ling works on sustainable development issues, with a focus on social justice and equity issues and the effects of globalisation on developing countries. She is Director of Programmes of Third World Network, an international NGO with its secretariat in Malaysia, and is currently based in Beijing.

Lim Li Ching is a Senior Researcher at Third World Network, focusing mainly on biosafety and sustainable agriculture issues. She was a lead author in the East and South Asia and the Pacific sub-global report of the International Assessment on Agricultural Science, Technology and Knowledge for Development, a multi-UN agency initiative. She is co-editor of Biosafety First: Holistic Approaches to Risk and Uncertainty in Genetic Engineering and Genetically Modified Organisms, published by Tapir Academic Press (2007), and Climate Change and Food Systems Resilience in Sub-Saharan Africa, published by FAO (2011).

Sudhir Chella Rajan is Head of the Department of Humanities and Social Sciences at IIT Madras. He is also Coordinator, Indo-German Centre for Sustainability, IIT Madras. He is the author of The Enigma of Automobility: Democratic Politics and Pollution Control (1996) and co-author of The Suicidal Planet: How to Prevent Global Climate Catastrophe (2007).

Shakeb Afsah is currently the CEO of Performeks LLC—a Bethesda-MD based consulting firm which he founded in 2003. He is also the creator of the popular climate management site www. CO2Scorecard.org and his analysis on climate polices are reported by top outlets. He holds a US patent on a methodology for measuring environmental performance.

Nabiel Makarim is the former State Minister of Environment (2001–2004) for the Republic of Indonesia, and is globally recognised for creating a new brand of environmental programmes based on the principles of performance rating and public disclosure. He helped launch flagship initiatives like ADIPURA, PROKASIH and PROPER that successfully cut industrial pollution, improved urban environmental management and abated worsening water quality in the national river system of Indonesia.

Lye Lin-Heng is Associate Professor at the Law Faculty, NUS, Deputy Director of the Faculty's Asia-Pacific Centre for Environmental Law and a Visiting Associate Professor at the Yale School of Forestry and Environmental Studies and at the Law Faculty, University of Sydney. She has published and presented papers on environmental law and management at conferences worldwide. She is an Advocate & Solicitor of the Supreme Court of Singapore and teaches and researches in environmental law and property law. She is a member of the Board of Governors, IUCN Academy of Environmental Law, and co-chaired its Teaching and Capacity-Building Committee.

Keigo Akimoto is currently the Leader of the Systems Analysis Group, an associate chief researcher at the Research Institute of Innovative Technology for the Earth (RITE) and a guest professor, Graduate School of Art and Science, the University of Tokyo. He is also a Lead Author for the Fifth Assessment Report of IPCC, and a member of several committees of the Japanese Government. He received his PhD. degree from Yokohama National University in 1999.

Dr. Fuminori Sano, Dr. Ayami Hayashi, Dr. Takashi Homma, Junichiro Oda, Dr. Miyuki Nagashima, Kohko Tokushige are researchers at RITE.

Kenichi Wada is a senior researcher and Dr. Toshimasa Tomoda is a chief researcher at RITE.

For orders or enquiries, please contact any of our offices below or visit us at: www.worldscientific.com

NORTH & SOUTH AMERICA

World Scientific Publishing Co. Inc. 27 Warren Street, Suite 401-402 Hackensack, NJ 07601, USA Email: sales@wspc.com

EUROPE & THE MIDDLE EAST

World Scientific Publishing (UK) Ltd. c/o Marston Book Services PO Box 269, Abingdon, Oxon OX14 4YN, UK Fax: 44 (0) 123 546 5555 Tel: 44 (0) 123 546 5500 Email: direct.orders@marston.co.uk ASIA & THE REST OF THE WORLD

World Scientific Publishing Co. Pte. Ltd. 5 Toh Tuck Link, SINGAPORE 596224 Fax: 65 6467 7667 Tel: 65 6466 5775 Email: sales@wspc.com.sq

^{*} Prices subject to change without prior notice