## Contents

Preface
Who Should Read This Series?
I. Earth's Life Support Systems
The Detection and Attribution of Human Influence on Climate  Dáithí A. Stone, Myles R. Allen, Peter A. Stott, Pardeep Pall, Seung-Ki Min,  Toru Nozawa, and Seiji Yukimoto
On the Increasing Vulnerability of the World Ocean to Multiple Stresses  Edward L. Miles
Global Biogeochemical Cycling of Mercury: A Review  Noelle E. Selin
Interactions Between Biogeochemistry and Hydrologic Systems  Kathleen A. Lohse, Paul D. Brooks, Jennifer C. McIntosh, Thomas Meixner,  and Travis E. Huxman  65
Nitrogen in Agriculture: Balancing the Cost of an Essential Resource  G. Philip Robertson and Peter M. Vitousek
II. Human Use of Environment and Resources
Nuclear Power: Economic, Safety, Health, and Environmental Issues of Near-Term Technologies  M.V. Ramana
Global Groundwater? Issues and Solutions  Mark Giordano
Crop Yield Gaps: Their Importance, Magnitudes, and Causes  David B. Lobell, Kenneth G. Cassman, and Christopher B. Field

Water for Agriculture: Maintaining Food Security under Growing Scarcity  Mark W. Rosegrant, Claudia Ringler, and Tingju Zhu	5
Emerging Threats to Human Health from Global Environmental Change Samuel S. Myers and Jonathan A. Patz	
III. Management, Guidance, and Governance of Resources and Environment	
Connectivity and the Governance of Multilevel Social-Ecological Systems: The Role of Social Capital Eduardo S. Brondizio, Elinor Ostrom, and Oran R. Young	3
Economic Globalization and the Environment  *Kevin P. Gallagher	9
Voluntary Environmental Programs: Assessing Their Effectiveness  Jonathan C. Borck and Cary Coglianese	5
The Economic Valuation of Environmental Amenities and Disamenities: Methods and Applications Robert Mendelsohn and Sheila Olmstead	.5
Infrastructure and the Environment  Martin W. Doyle and David G. Havlick	.9
Scientific Bases of Macroenvironmental Indicators  Gordon H. Orians and David Policansky	5
Environmental Justice  Paul Mohai, David Pellow, and J. Timmons Roberts	)5
We Speak for the Trees: Media Reporting on the Environment  Maxwell T. Boykoff	1
Indexes	
Cumulative Index of Contributing Authors, Volumes 25–34	9
Cumulative Index of Chapter Titles, Volumes 25–34	<b>i</b> 3
Errata	
An online log of corrections to <i>Annual Review of Environment and Resources</i> articles mabe found at http://environ.annualreviews.org	y