

Contents

<i>List of illustrations</i>	<i>viii</i>
<i>Notes on contributors</i>	<i>ix</i>
<i>Acknowledgements</i>	<i>xv</i>
1 Socio-ecological transformations and the social sciences <i>Stewart Lockie, David A. Sonnenfeld and Dana R. Fisher</i>	1
PART I	
Challenges, contradictions and consequences of global socio-ecological change	13
2 Ecological modernization theory: taking stock, moving forward <i>Arthur P.J. Mol, Gert Spaargaren and David A. Sonnenfeld</i>	15
3 The emergence of new world-systems perspectives on global environmental change <i>Andrew K. Jorgenson and Jennifer E. Givens</i>	31
4 China's economic growth and environmental protection: approaching a 'win-win' situation? A discussion of ecological modernization theory <i>Dayong Hong, Chenyang Xiao and Stewart Lockie</i>	45
5 Eco-imperialism and environmental justice <i>Anja Nygren</i>	58
6 Neoliberalism by design: changing modalities of market-based environmental governance <i>Stewart Lockie</i>	70
7 Dilemmas for standardizers of sustainable consumption <i>Magnus Boström and Mikael Klintman</i>	81

PART II

Climate change, energy and adaptation

93

- 8 Climate, scenario-building and governance: comprehending the temporalities of social-ecological change 95
Stewart Lockie
- 9 From Rio to Copenhagen: multilateral agreements, disagreements and situated actions 106
Chukwumerije Okereke and Sally Tyldesley
- 10 Marriage on the rocks: sociology's counsel for our struggling energy–society relationships 118
Debra J. Davidson
- 11 Sustainability as social practice: new perspectives on the theory and policies of reducing energy consumption 133
Harold Wilhite
- 12 Environmental migration: nature, society and population movement 142
Anthony Oliver-Smith

PART III

Urban environmental change, governance and adaptation

155

- 13 Climate change and urban governance: a new politics? 157
Harriet Bulkeley
- 14 Recovering the city level in the global environmental struggle: going beyond carbon trading 170
Saskia Sassen
- 15 Hybrid arrangements within the environmental state 179
Dana R. Fisher and Erika S. Svendsen
- 16 The new mobilities paradigm and sustainable transport: finding synergies and creating new methods 190
Rachel Aldred

PART IV

Risk, uncertainty and social learning

205

- 17 Towards a socio-ecological foundation for environmental risk research 207
Ortwin Renn

18	Uncertainty and claims of uncertainty as impediments to risk management <i>Raymond Murphy</i>	221
19	Transboundary risk governance: co-constructing environmental issues and political solutions <i>Rolf Lidskog</i>	231
20	The role of professionals in managing technological hazards: the Montara blowout <i>Jan Hayes</i>	241
21	Social learning to cope with global environmental change and unsustainability <i>J. David Tabara</i>	253
PART V		
(Re)assembling social-ecological systems		267
22	The social-ecological co-constitution of nature through ecological restoration: experimentally coping with inevitable ignorance and surprise <i>Matthias Gross</i>	269
23	Biological invasions as cause and consequence of 'our' changing world: social and environmental paradoxes <i>Cécilia Claeys</i>	280
24	Biological resources, knowledge and property <i>Luigi Pellizzoni</i>	292
25	Disassembling and reassembling socionatural networks: integrated natural resource management in the Great Bear Rainforest <i>Justin Page</i>	307
26	Land use tensions for the development of renewable sources of energy <i>Giorgio Osti</i>	319
	<i>Index</i>	331