
Contents

<i>Notes on the Contributors</i>	ix
<i>Preface</i>	xv
<i>List of Abbreviations</i>	xvii
PART ONE INTRODUCTION	1
1 Introduction	3
<i>Karen E. Makuch and Ricardo Pereira</i>	
Questions and activities	32
PART TWO INNOVATION, SUSTAINABILITY AND THE LAW	35
2 Sustainable Development and Best Available Techniques in International and European Law	37
<i>Panos Merkouris</i>	
3 Environmental Regulation, Business Competitiveness and Corporate Responsibility	61
<i>Ricardo Pereira</i>	
4 A Legal Framework for Clean Technology Transfer and Finance	75
<i>Helena Wright and Ricardo Pereira</i>	
5 Technology Innovation and the Law – the Example of Climate Adaptation Technologies	92
<i>Katrin Glatzel, Helena Wright, and Zen Makuch</i>	
Questions and activities	115
PART THREE SUSTAINABLE ENERGY AND CLIMATE CHANGE LAW	117
6 Sustainable Energy Law and Policy	119
<i>Matthew Leach and Sandip Deshmukh</i>	
7 International and EU Climate Change Law	141
<i>Ricardo Pereira and Charlotte Jourdain</i>	
8 UK Climate Change Law and Policy	172
<i>Karen E. Makuch, Zen Makuch, Ricardo Pereira, and Charlotte Jourdain</i>	
Questions and activities	193
PART FOUR EXPLORATION AND EXPLOITATION OF ENERGY RESOURCES	197
9 The Exploration and Exploitation of Energy Resources in International Law	199
<i>Ricardo Pereira</i>	

10	Occupational Health and Safety Law: the Oil and Gas Industry <i>John Paterson</i>	225
11	Energy Agreements – Force Majeure and Hardship Clauses <i>Isabelle Fellrath and Frank Spoorenberg</i>	240
	Questions and activities	253
PART FIVE CLEAN TECHNOLOGIES AND THE CLEAN DEVELOPMENT MECHANISM		255
12	Carbon Capture and Storage Technologies – An Overview and Some Key Issues <i>Tim Cockerill</i>	257
13	Carbon Capture and Storage Liability <i>Zen A. Makuch, Slavina Z. Georgieva and Behdeen Oraee-Mirzamani</i>	270
14	The Clean Development Mechanism – Legal and Contractual Framework in CDM Renewable Energy Projects <i>Kenneth Aidelojie, Chuan Tze-Teo, Zen Makuch and Ricardo Pereira</i>	288
	Questions and activities	311
PART SIX WASTE, WATER, AIR QUALITY MANAGEMENT AND POLLUTION CONTROL		313
15	Solid Waste Management and Regulation <i>Arturo Castillo-Castillo</i>	315
16	Water Management and Regulation <i>Dieudonné-Guy Ohandja and Alexandra Collins</i>	347
17	Integrated Pollution and Control – the Industrial Emissions Directive <i>Iain MacLean</i>	368
18	The Law and Practice of Air Quality Management <i>Zen Makuch and Marilena Karyampa</i>	393
19	Contaminated Land and Regulation <i>Owen Lewis</i>	418
	Questions and activities	434
PART SEVEN THE REGULATION OF CHEMICALS AND LABORATORY SAFETY		437
20	The Regulation of Nanotechnologies <i>Sekai Ngarize, Karen E. Makuch and Ricardo Pereira</i>	439
21	Environmental Law Standards and Principles of Good Laboratory Practice for Environmental Protection <i>Elizabeth Prichard and Karen E. Makuch</i>	465
	Questions and activities	487

PART EIGHT GOVERNANCE, IMPACT ASSESSMENT, COMPLIANCE AND ENFORCEMENT IN ENVIRONMENTAL LAW	489
22 Planning, Strategic Environmental Assessment (SEA) and Environmental Impact Assessment (EIA) <i>Martin Birt and Steven Smith</i>	491
23 Regulating Environmental Information and Environmental Data <i>Karen E. Makuch</i>	508
24 Corporate Disclosure and Environmental Sustainability in Comparative Law <i>Nikzad Oraee-Mirzamani and Zen Makuch</i>	534
25 Compliance and Enforcement in International, European and National Environmental Law <i>Ricardo Pereira</i>	561
Questions and activities	577
PART NINE CASE STUDIES ON ENVIRONMENTAL LAW IMPLEMENTATION	579
26 Case Studies <i>Karen E. Makuch</i>	581
Questions and activities	590
<i>Index</i>	591