
Contents

<i>List of editors and contributors</i>	ix
<i>Editorial introduction</i>	xxiii
1 The changing architecture of international climate change law <i>Harro van Asselt, Michael Mehling and Clarisse Kehler Siebert</i>	1
PART I ENERGY	
2 Development of the sustainability aspects of EU energy policy <i>Sirja-Leena Penttinen and Kim Talus</i>	33
3 Greenhouse gas mitigation measures in the US electric power industry <i>Joel B. Eisen</i>	51
4 Reflections on the Chinese carbon market <i>Christopher Tung</i>	86
PART II TRANSPORT	
5 The mitigation of transport's CO ₂ emissions in the EU: policy successes and challenges <i>Ian Skinner</i>	103
6 Climate change mitigation in the transportation sector in the United States <i>Laurel Berzanskis</i>	126
7 Climate transport policy in the Asia-Pacific region <i>Masahiko Iguchi and Hiroki Nakamura</i>	149
PART III BUILDINGS	
8 How do the European Union and the private sector pave the way to more sustainable buildings? <i>Sophie Wattiaux</i>	169
9 Energy efficiency of buildings in the United States <i>Albert Monroe</i>	190

vi *Research handbook on climate change mitigation law*

- 10 Climate change and buildings – an Asia-Pacific primer 212
Abhishek Rohatgi, Tian Sheng Allan Loi and Nahim Bin Zahur

PART IV INDUSTRY

- 11 Impacts of EU climate and energy policies on industry 245
Monica Alessi, Christian Egenhofer and Jorge Núñez Ferrer
- 12 An overview of climate change mitigation in the industrial sector of the United States 271
Seema Kakade
- 13 How can Asian industry contribute to climate change mitigation action? 288
Noriko Fujiwara

PART V LAND USE, LAND USE CHANGE AND FORESTRY

- 14 Land use, land use change and forestry – How to enter the climate impact of managing biospheres and wood into the EU's greenhouse gas accounting 303
Peter Wehrheim and Asger Strange Olesen
- 15 Legal regimes for land use, land use change, and forestry in the United States 321
Uma Outka
- 16 Land use, land use change and forestry: Asia-Pacific 344
Bradley Evans

PART VI WASTE MANAGEMENT

- 17 Waste management in the EU 361
Geert Van Calster
- 18 Challenges for controlling GHG emissions from US solid waste management: a summary of federal and exemplary US state efforts 373
Jeffrey Allmon
- 19 Climate mitigation and waste management in the Asia-Pacific 407
Karen Hussey

PART VII CARBON TRADING

- 20 Blazing trail or flickering flame? Market mechanisms under the UNFCCC 425
Darragh Conway
- 21 The EU emissions trading system: frontrunner in trouble 451
Jorgen Wettestad
- 22 Carbon trading in the United States 476
Laurie Ristino and Katherine Hannon Michel
- 23 Market design and maturity in the Asia Pacific 499
Eric Knight

PART VIII CLIMATE FINANCE

- 24 Climate finance in the European Union: domestic and international challenges 509
David Belis
- 25 Towards climate compatible development in Asia and beyond – the role of official development assistance 535
Aiichiro Yamamoto

PART IX CLIMATE CHANGE LITIGATION

- 26 EU climate change litigation: all quiet on the Luxembourgian front? 543
Sanja Bogojević
- 27 Climate change litigation in the United States 560
Michael B. Gerrard
- 28 Climate change litigation in Asia and the Pacific 578
Jolene Lin

PART X CLIMATE CHANGE MITIGATION IN THE BRICS COUNTRIES

- 29 Current status of mitigation policies in Brazil 603
Ronaldo Seroa da Motta

viii	<i>Research handbook on climate change mitigation law</i>	
30	Climate change mitigation in Russia: foreign policy, environmental action or simple economics? <i>Anna Korppoo, Karl Upston-Hooper and Emilie Yliheljo</i>	617
31	Climate change mitigation in India <i>Nidhi Srivastava</i>	634
32	China's transition to low carbon society: drivers and implementation strategies <i>Jun Li</i>	660
33	Climate change mitigation in South Africa <i>Happy Masondo and Faith Rambau</i>	705
	<i>Index</i>	725