

[\*Climate Change Law\*](#), the first volume of Elgar's [Encyclopedia of Environmental Law](#) has just appeared. There are a number of excellent edited collections about aspects of climate change law. What distinguishes this one is that breadth of the coverage, including both international and domestic aspects of carbon reduction and adaptation to climate change.

The book confirms how quickly climate change has become the subject of a set of sprawling yet interconnected legal structure. Virtually every country now has some domestic law on the subject, whether from the legislature, the executive, or the courts, and often subnational units like states and cities have taken adopted their own measures. There are strong interconnections both vertically, between subnational, national, and international law, and horizontally, between individual states and countries across the world. Moreover, climate change law has interpenetrated many other areas of law, including administrative law, water law, land use law, and energy regulation.

Even in over 750 pages it's not possible to cover all of these developments in depth, but the chapter authors have managed to bring together a remarkable amount of information. I'm happy to have worked with [Marjan Peeters](#) at Maastricht University to assemble a really stellar group of more than fifty authors for this project. It's the authors, of course, who deserve the real credit for the quality of the book. We made an effort to get a broad range of authors, including leading scholars on climate change from the United States, the European Union, and Asia. I'm particularly pleased we got contributions from most of the top U.S scholars on climate change and energy law. Among that group is [Sean Hecht](#), my fellow Legal Planet contributor, with a terrific chapter on climate change and insurance.

I've appended a list of authors and chapter titles after the fold to give a sense of the scope of the book. You can also get free public access to the concluding chapter, which sums up the book, [here](#).

Climate Change Law has come of age as a field. Given the very long-term effects of climate change, it's clear that we're going to be coping with the problem for many decades, if not centuries to come. We can only hope that the developments discussed in this volume will be the foundation of a successful regime of climate change governance.

Introduction

*Daniel A Farber and Marjan Peeters*

## **Part 1 General themes**

***Section A The goals of climate policy***

I.1 The science of climate change: a legal perspective on the IPCC

*Duncan French and Benjamin Pontin*

I.2 The precautionary principle and climate change

*Nicolas de Sadeleer*

I.3 Setting the social cost of carbon

*Michael A Livermore*

I.4 Human rights and climate change: building synergies for a common future

*Sheila R Foster and Paolo Galizzi*

***Section B Approaches to addressing climate change***

I.5 Climate policy instrument choices

*David Benson and Andrew Jordan*

I.6 Corporate social responsibility and climate change

*Steven Ferrey*

I.7 Local authorities and climate change

*Benjamin J Richardson*

I.8 Individual behaviour, the social sciences and climate change

*Michael P Vandenbergh and Benjamin K Sovacool*

I.9 Criminal law and climate change

*Matthew Hall*

I.10 Research and scholarship on climate change law in developing countries

*Xi Wang, Tang Tang, Kun Lu and Yan Zhang*

## **Part 2 International law perspective**

### ***Section A General issues***

I.11 The climate as a global common

*Peter-Tobias Stoll*

I.12 CBDR and climate change

*Tuula Honkonen*

I.13 The potential roles of the ICJ in climate change-related claims

*Christina Voigt*

I.14 Unilateralism, extraterritoriality and climate change

*Joanne Scott*

I.15 Climate engineering and international law

*Jesse Reynolds*

I.16 Carbon capture and storage as a bridging technology

*Navraj Singh Ghaleigh*

### ***Section B Treaties related to climate change***

B.1 The UN negotiation process

I.17 The United Nations Framework Convention on Climate Change: a framework approach to climate change

*Lavanya Rajamani*

I.18 The UNFCCC: negotiating towards climate protection (substantive issues)

*Francesco Sindico*

I.19 The Kyoto Protocol, with a special focus on the flexible mechanisms

*Javier de Cendra de Larragán*

I.20 The Kyoto Protocol's compliance mechanism

*Francesca Romanin Jacur*

I.21 REDD+ as a climate change mitigation mechanism

*Heline Sivini Ferreira and Diogo Andreola Serraglio*

I.22 International treaty fragmentation and climate change

*Cinnamon Carlarne*

## ***B.2 Alternative international approaches***

I.23 ICAO and IMO: international sectoral approaches to greenhouse gas reductions in transport

*Kati Kulovesi and Joanna Dafoe*

I.24 Interlinkages between climate change, ozone depletion and air pollution:  
the international legal framework

*Harro van Asselt*

I.25 The WTO and climate change

*Wybe Th Douma*

I.26 Climate change and international investment treaties

*Ximena Fuentes Torrijo*

## **Part 3 National and Regional Perspectives on Reducing Greenhouse Gases**

**Section A General issues**

I.27 Polycentrism and climate change

*Hari M Osofsky*

I.28 Climate change federalism

*Kirsten H Engel*

I.29 Environmental impact assessments and climate change

*Jacqueline Peel*

I.30 The role of the national courts in GHG emissions reductions

*Michael B Gerrard and Meredith Wilensky*

**Section B Regional and national mitigation approaches**

***B.1 Emissions trading***

I.31 Greenhouse gas emissions trading in the EU

*Marjan Peeters*

I.32 North America greenhouse gas emission trading systems

*David Hodas and Patrick DeArmey*

I.33 Emissions trading in China

*Qin Tianbao and Zhang Meng*

***B.2 Other regulatory approaches to reduce greenhouse gases***

I.34 Traditional regulation's role in greenhouse gas abatement

*David M Driesen*

I.35 Carbon taxes

*Shi-Ling Hsu*

I.36 Transportation as a climate wedge and challenge under United States law

*William W Buzbee*

I.37 Biofuel

*Arnold W Reitze Jr*

I.38 Renewable energy: support mechanisms

*Thomas Schomerus*

I.39 Renewable energy: public acceptance and citizens' financial participation

*Birgitte Egelund Olsen*

I.40 Energy efficiency and conservation

*John C Dernbach*

B.3 Mitigation strategies in developing countries

I.41 India's climate change mitigation strategy

*Deepa Badrinarayana*

I.42 Green growth policy in Korea

*Sang-Hyup Kim and Hong Sik Cho*

## **PART 4 Adaptation**

### ***Section A Specific impacts and sectors***

I.43 Integrated water law and climate change: an EU perspective

*Andrea Keessen and Marleen van Rijswijk*

I.44 Water availability and allocation

*A Dan Tarlock*

I.45 Managing ecosystem effects in an era of rapid climate change

*Alejandro E Camacho*

I.46 Ocean adaptation

*Robin Kundis Craig*

I.47 Coastal issues

*Margaret R Caldwell and Molly Loughney Melius*

I.48 Adaptation and the energy sector

*Rosemary Lyster and Manuel Peter Solis*

***Section B Cross-cutting issues and adaptation techniques***

I.49 Adaptation justice

*Alice Kaswan*

I.50 Loss and damage in the UN climate regime

*Meinhard Doelle*

I.51 Indigenous peoples and climate change

*Sarah Krakoff*

I.52 Human mobility and climate change

*Katrina M Wyman*

I.53 Urban planning and climate change

*Lisa Grow Sun and Brandon Curtis*

I.54 Insurance

*Sean B Hecht and Jesse Lueders*

I.55 Disaster law and climate change

*Robert RM Verchick*

**PART 5 Conclusions**

I.56 Concluding chapter: the emergence of global climate law

*Daniel A Farber and Marjan Peeters*