

# The International Law on Climate Change

Global climate change is a topic of continuously growing interest. As more international treaties come into force, media coverage has increased and many universities are now starting to conduct courses specifically on climate change laws and policies. This textbook provides a survey of the international law on climate change, explaining how significant international agreements have sought to promote compliance with general norms of international law. Benoit Mayer provides an account of the rules agreed upon through lengthy negotiations under the United Nations Framework Convention on Climate Change (UNFCCC) and multiple other forums on mitigation, geoengineering, adaptation, loss and damage, and international support. *The International Law on Climate Change* is suitable for undergraduate and graduate students studying climate, environmental or international law. It is supported by a suite of online resources, available at www.internationalclimatelaw.com, featuring regularly updated lists of complementary materials, weblinks and regular updates for each chapter.

Benoit Mayer is an assistant professor in the Faculty of Law at The Chinese University of Hong Kong, where he teaches international law and climate law. His research on the international law on climate change has been published in leading journals including the *European Journal of International Law*, the *Asian Journal of International Law*, *Transnational Environmental Law*, *Climate Law* and *Climatic Change*.



# The International Law on Climate Change

**Benoit Mayer** 

The Chinese University of Hong Kong







Shaftesbury Road, Cambridge CB2 8EA, United Kingdom

One Liberty Plaza, 20th Floor, New York, NY 10006, USA

477 Williamstown Road, Port Melbourne, VIC 3207, Australia

314-321, 3rd Floor, Plot 3, Splendor Forum, Jasola District Centre, New Delhi - 110025, India

103 Penang Road, #05-06/07, Visioncrest Commercial, Singapore 238467

Cambridge University Press is part of Cambridge University Press & Assessment, a department of the University of Cambridge.

We share the University's mission to contribute to society through the pursuit of education, learning and research at the highest international levels of excellence.

www.cambridge.org

Information on this title: www.cambridge.org/9781108419871

DOI: 10.1017/9781108304368

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First published 2018

A catalogue record for this publication is available from the British Library

Library of Congress Cataloging-in-Publication data

Names: Mayer, Benoit, author.

Title: The international law on climate change / Benoit Mayer.
Description: New York: Cambridge University Press, 2018.
Identifiers: LCCN 2018000611 | ISBN 9781108419871 (hardback)

Subjects: LCSH: Climatic changes – Law and legislation. | Global warming – Law

and legislation. | Environmental law, International. | International law. | BISAC: LAW / International.

Classification: LCC K3585.5.M39 2018 | DDC 344.04/ 6342-dc23

LC record available at https://lccn.loc.gov/2018000611

ISBN 978-1-108-41987-1 Hardback ISBN 978-1-108-41229-2 Paperback

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# Preface

Climate change is one of the greatest concerns of our time. For more than a quarter of a century, efforts have been made to mobilize international law as a tool to tackle climate change. Through the outcomes of protracted international negotiations and extensive doctrinal research, a new field of study has gradually emerged in international law. The international law on climate change is a system of State obligations to tackle climate change. It seeks to protect not only the sovereign rights of every State, but also the effective enjoyment of human rights, the interests of future generations and humankind as a whole, as well as other forms of life on Earth. The task is a formidable one: an attempt at altering the way we are changing our world. Some of the most complex negotiations ever undertaken have only touched the surface of the problem. The challenges are daunting, but the stakes are high and failure is not an option. It is hardly an overstatement that the fate of humankind depends on the international law on climate change.

As a field of study, the international law on climate change has largely focused on current developments, at the expense of laying the foundations of a new discipline. Toward the end of each year, the representatives of virtually every State meet for a session of the Conference of the Parties to the 1992 UN Framework Convention on Climate Change (UNFCCC). Agreements are regularly concluded, like, most recently, the Paris Agreement of 2015. This ritual event, heavily reported by the international media, set the cadence in the field. The need to report on the latest outcomes of international negotiations and to analyze them has impeded the conduct of a more systematic and comprehensive inquiry into the international law on climate change.

Rules agreed by States through dedicated negotiations parts of a joint effort to address climate change – the UNFCCC regime – are an important component of the international law on climate change, but the latter is not confined to the former. Another component of the international law on climate change relates to relevant rules adopted in diverse other international regimes, for instance, under the Convention on International Civil Aviation of 1944 or the Montreal Protocol on Substances that Deplete the Ozone Layer of 1987. Overall, the general and abstract norms and principles that States have accepted as general international law, such as the no-harm principle and the law on State responsibility, form the last component of the international law on climate change.

These components differ in terms of their origin and significance. The rules dedicated to tackle climate change, adopted through international negotiations, are likely to reflect the interests of powerful nations, often through a complacent approach to their excessive levels

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of greenhouse gas emissions. By contrast, the norms reflected in the general practice of States that they have historically accepted as law impose fairer principles and, typically, far more demanding obligations on States, including on the most powerful ones. As explained throughout this book, States have never agreed, either explicitly or tacitly, that international climate agreements would set aside the principles of general international law. Instead, the UNFCCC regime should be approached as a regime which seeks to promote compliance with general international law. It does so, in particular, by defining collective objectives and national commitments over specified periods.

This book seeks to provide what could be the first comprehensive account of the international law on climate change as a discipline. As such, although this book contains a detailed presentation of the rules agreed upon by States within the UNFCCC regime and beyond, it does not stop there. There is little doubt that, if an international court or tribunal were to determine the obligations of States in relation to climate change, it would recognize obligations rooted in general international law. Therefore, this book also contains a detailed analysis of the relevant norms of general international law. Thus, it seeks to bring all the components of the international law on climate change together in a unique, comprehensive and coherent account of what international law has to say about climate change.

As a full-fledged discipline rather than a mere field of study, the international law on climate change would not only analyze ongoing developments, but would also contribute more actively to these developments. It would situate international climate agreements in the broader context of its two other components, with due consideration in particular to the relevant norms of general international law. A more consistent understanding of the international law on climate change could facilitate international negotiations by determining a benchmark for reasonable expectations of a fair and equitable outcome. It would help municipal courts decide cases based not just on the commitments specifically agreed upon by national governments, but also, beyond, on customary international law. One day, an international court or tribunal could engage with this discipline in a contentious or advisory case. Beyond climate change, this would help fulfill the promise of international law of promoting justice in international relations.

This book has been designed to be readily accessible by undergraduate and postgraduate students in law with or without any background in international or environmental law. If used as a teaching material, it should offer a number of opportunities for students to engage in debates. Thus, while this book could help train professionals and researchers in the field, it could also serve as a meaningful case study in a field of law to foster a critical intellectual engagement with the law more generally. In addition, it is hoped that this first attempt at a comprehensive presentation of the international law on climate change as a whole may also be useful to legal scholars or anyone else interested in how international law addresses one of the defining problems of our time.

Benoit Mayer



# Acknowledgments

This book benefited from the insights of many in the field and beyond. I had the chance to test some of my ideas through diverse interactions with, among many others, Antony Anghie, Eyal Benevisci, Ben Boer, Anatole Boute, Chen Yifeng, Simon Chesterman, Marie-Claire Cordonier Segger, Christel Cournil, James Crawford, François Crépeau, Myriam Feinberg, Stephen Gardiner, Markus Gehring, Gregory Gordon, Hsu Yao-Ming, Richard Janda, Koh Kheng Lian, Douglas Kysar, Jolene Lin, Lye Lin Heng, Frédéric Mégret, Shinya Murase, Jarna Petman, Song Ying, M. Sornarajah, Usha Tandon, Qin Tianbao, Mikko Rajavuori, Surabhi Ranganathan, Christina Voigt, Shan Wenhua, Yee Sienho, Prabhakar Singh, Wang Canfa, Zhang Hao, Alexander Zahar and Zhao Yuhong. I also benefited immensely from comments received from several anonymous peer-reviewers invited by Cambridge University Press and from peer-reviewers commenting on previous publications.

This book builds on my lecture notes developed while teaching a course on "International Climate Change Law and Politics" in the International Law Institute at the University of Wuhan, China. Support was provided first by the University of Wuhan, then by the Chinese University of Hong Kong (CUHK). Yao Junqian in Wuhan, then Winnie Cheung, Athena Kong and Sean O'Rilley in the Chinese University of Hong Kong provided precious assistance. Financial assistance was received from the Faculty Funding Support for Teaching Development and Research-Related Activities in CUHK.

The book could not come to reality without the help of commissioning editor Joe Ng, content manager Thomas Haynes, project manager Nicola Howcroft and copy-editor Jon Lloyd, to whom I would like to express my profound gratitude.



# Abbreviations and Acronyms

AAU	Assigned Amount Unit	CORSIA	Carbon Offsetting and Reduction Scheme for
AOSIS	Alliance of Small Island States		International Aviation
ATS	Australian Treaty Series	CPI	Climate Policy Initiative
AWG-DP	Ad Hoc Working Group on the	DSB	Dispute Settlement Body
	Durban Platform for Enhanced	ECJ	European Court of Justice
	Action	<b>ECtHR</b>	European Court of Human Rights
AWG-KP	Ad Hoc Working Group on	EECC	Eritreat-Ethiopia Claims Commission
	Further Commitments for Annex	EEDI	Energy Efficiency Design Index
	I Parties under the Kyoto Protocol	EIA	Environmental Impact Assessment
AWG-LCA	Ad Hoc Working Group on Long-	<b>ENGOs</b>	Environmental NGOs
	Term Cooperative Action under the	EPA	Environmental Protection Agency
	Convention	ERT	Expert Review Team
AWG-PA	Ad Hoc Working Group on the	ERU	Emission Reduction Unit
	Paris Agreement	ETS	Emission Trading Scheme
BECCS	Bioenergy with Carbon Capture	EU	European Union
	and Storage	GATT	General Agreement on Tariffs and Trade
BINGOs	Business and Industry NGOs	GCF	Green Climate Fund
C2ES	Center for Climate and Energy	GDP	Gross Domestic Product
	Solutions	GEF	Global Environment Facility
CAIT	Climate Analysis Indicators Tool	GhG	Greenhouse Gas
CBD	United Nations Convention on	HBFCs	Hydrobromofluorocarbons
	Biological Diversity	HCFCs	Halomethane
CCS	Carbon Capture and Storage	HFCs	Hydrofluorocarbons
CDM	Clean Development Mechanism	HRC	Human Rights Council
CDP	Carbon Disclosure Project	IACrHR	Inter-American Court of Human Rights
CER	Certified Emission Reduction	IAR	International Assessment and Review
CESCR	Committee on Economic, Social	ICA	International Consultation and Analysis
	and Cultural Rights	ICAO	International Civil Aviation Organization
CFCs	Chlorofluorocarbons	ICJ	International Court of Justice
CIFOR	Center for International Forestry	IEA	International Energy Agency
	Research	IGES	Institute for Global Environmental
CMA	Conference of the Parties Serving		Strategies
	as the Meeting of the Parties to	IISD	International Institute for Sustainable
	the Paris Agreement		Development
CMP	Conference of the Parties Serving	ILA	International Law Association
	as the Meeting of the Parties to	ILC	International Law Commission
	the Kyoto Protocol	ILM	International Legal Materials
COP	Conference of the Parties	IMO	International Maritime Organization

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# xviii Abbreviations and Acronyms

INC/FCCC	Intergovernmental Negotiating Committee for a Framework Convention on	PCIJ PFCs QELRC	
INDC	Climate Change Intended Nationally Determined Contribution	RCPs REDD+	
IPCC	Intergovernmental Panel on Climate Change	REN21	Renewable Energy Policy Network for the 21st Century
IPOs	Indigenous Peoples Organizations	RINGOs RMU	Research and Independent NGOs Removal Unit
IRENA	International Renewable Energy Agency	SBI SBTA	Subsidiary Body for Implementation Subsidiary Body for Scientific and
ISO	International Standardization Organization	SEEMP SEI	Technological Advice Ship Energy Efficiency Management Plan Stockholm Environment Institute
ITLOS	International Tribunal for the Law of the Sea	SIDS SRFC	Small Island Developing States
JI/KP	Joint Implementation under the Kyoto Protocol	SUV tCO2eq	Sports Utility Vehicle Tonne of carbon dioxide equivalent
JI/UNFCCC	Joint Implementation under the United Nations Framework Convention	TUNGOs UNCED	Trade Union NGOs United Nations Conference on Environment and Development
LGMA	on Climate Change Local Government and	UNCHD	United Nations Conference on the Human Environment
LULUCF	Municipal Authorities Land Use, Land-Use	UNCLOS	United Nations Convention on the Law of the Sea
MARPOL	Change and Forestry International Convention for the Prevention of	UNDP UNEP	United Nations Development Programme United Nations Environment Programme
MEF	Pollution from Ships Major Economies Forum on Energy and Climate	UNESCO	United Nations Educational, Scientific and Cultural Organization United Nations Framework Convention on
MRV	Measurement, reporting and verification	UNHCR	Climate Change
NAZCA	Non-State Actor Zone for Climate Action	UNRIAA	Refugees United Nations Reports of International
NDC	Nationally Determined Contribution	UNTS	Arbitral Awards United Nations Treaty Series
NGO	Non-Governmental Organization	UNU-EHS	United Nations University Institute for Environment and Human Security
OCHA	Office for the Coordination of Humanitarian Affairs		Union of Soviet Socialist Republics World Commission on Environment and Development
OECD	Organization for Economic Co-operation and Development	WIM	Warsaw International Mechanism for loss and damage associated with climate change impacts
OHCHR	Office of the High Commissioner for	WMO WRI	World Meteorological Organization World Resources Institute
OSPAR Convention	Human Rights Convention for the Protection of the Marine Environment of the North-East Atlantic	WTO WWF YOUNGOs	9



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