

IMPLEMENTING CLIMATE CHANGE POLICY

The chapters in this volume provide an interdisciplinary and comparative analysis of the implementation of climate change policies worldwide to assess whether they are meeting the aims set out in the ‘Paris Agreement’. The first part compares climate policies employed by the EU, the USA, Latin America, Russia, China, the Middle East and Africa. The second explores ways of improving key regulatory mechanisms to increase the effectiveness of greenhouse gas mitigation and adaptation measures. This book argues that the international community should improve the effectiveness of enforcement mechanisms from the standpoint of secondary norms through an integrated approach. It is an indispensable resource for undergraduate and graduate students of environmental policy and governance, public policy, law and political science, as well as academics and policy makers. This title is part of the *Flip it Open Programme* and may also be available as Open Access. Check our website – Cambridge Core – for details.

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IMPLEMENTING CLIMATE CHANGE POLICY

Designing and Deploying Net Zero Carbon Governance

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The European Union (EU) has set increasingly more ambitious climate targets since the adoption of its landmark emission trading system in 2003, particularly via the approval of the Green Deal in 2019 as a roadmap towards net zero carbon governance by 2050. Countries such as the United States, Japan and the People's Republic of China have also established the objective of climate neutrality by 2050 and 2060 through recent regulatory initiatives. But the question remains, are current climate policies viable means to achieve a maximum two degrees Celsius of warming, and possibly one and a half degrees, as outlined in the Paris Agreement? This volume develops an interdisciplinary and comparative analysis to assess the level of convergence between worldwide climate policies and explore ways to improve key regulatory mechanisms and increase the effectiveness and consistency of greenhouse gas mitigation and adaptation measures. Given that 28 conferences of the parties to the United Nations Framework Convention on Climate Change have not proven sufficient to put the world on track to achieve climate neutrality, besides continuing to seek convergence in policy-making at the level of primary rules, the international community should consider improving the effectiveness of enforcement mechanisms from the standpoint of secondary norms through an integrated approach.

This volume is part of the Jean Monnet project Implementing Climate Policies led by the ANU Centre for European Studies at the Australian National University (620604-EPP-1-2020-1-AU-EPPJMO-PROJECT), which is supported by the European Commission under the Erasmus+ actions. The project explores how the climate policy of the EU and other countries can be effectively implemented in the international arena.

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Shadow:
When man shuns light, we shun man so far,
at least, we are free
Friedrich Nietzsche
Human All Too Human: A Book for Free Spirits

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Abbreviations

2Mt	two-metre temperature
ACIA	Arctic Climate Impact Assessment
AfDB	African Development Group Bank
AFID	Alternative Fuel Infrastructure Directive
AFP	Agence France-Presse
AGN	African Group of Negotiators on Climate Change
AHDR	Arctic Human Development Report
ALADI	Latin American Association for [Economic] Integration
ALALC	Free Trade Latin American Association
ALBA	Bolivarian Alliance for the Peoples of our America
AMAP	Arctic Monitoring and Assessment Programme
AMCEN	African Ministerial Conference on the Environment
AMOC	Atlantic Meridional Overturning Circulation
ANU	Australian National University
ASEAN	Association of Southeast Asian Nations
ASOC	Antarctic and Southern Ocean Coalition
AU	African Union
B&RCs	Belt and Road Countries
BCA	border carbon adjustment
BGB	Bürgerliches Gesetzbuch
BHR	business and human rights
BIICL	British Institute of International and Comparative Law
BIT	bilateral investment treaty
BP	British Petroleum
BRI	Belt and Road Initiative
CAHOSCC	Committee of African Heads of State and Government on Climate Change
CBAM	carbon border adjustment mechanism/measure
CBD	Convention on Biological Diversity
CDM	Clean Development Mechanism

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CELAC	Community of Latin American and Caribbean States
CEPAL	United Nations Economic Commission for Latin America and the Caribbean
CFA	Cooperative Framework Agreement
CH ₄	methane
CNPC	China National Petroleum Company
CO ₂	carbon dioxide
CO _{2-e}	carbon dioxide equivalent
CONEXO	consolidation, expansion and outreach
COP	Conference of the Parties
CPLC	Carbon Pricing Leadership Coalition
CSDDD	Directive on Corporate Sustainability Due Diligence
CSR	corporate social responsibility
CSRD	Corporate Sustainability Reporting Directive
DARIO	Draft Articles on the Responsibility of International Organizations
DASR	Draft Articles on State Responsibility
DCFTA	Deep and Comprehensive Free Trade Area
DoP	Declaration of Principles
DRC	Democratic Republic of the Congo
EC	European Community
ECHR	European Convention on Human Rights
ECMWF	European Centre for Medium-Range Weather Forecasts
ECT	Energy Charter Treaty
ECtHR	European Court of Human Rights
EDGAR	Emissions Database for Global Atmospheric Research
EEZ	exclusive economic zone
EF	Environmental Footprint
EFRAG	European Financial Reporting Advisory Group
EFTA	European Free Trade Association
EHRs	environmental human rights
EIB	European Investment Bank
EPA	Environmental Protection Agency
ESI	Energy System Integration
ESMA	European Securities and Markets Authority
ETD	Energy Taxation Directive
ETS	Emission Trading System
EU	European Union
EUEB	European Union Ecolabelling Board
Euratom	European Atomic Energy Community

FAO	Food and Agriculture Organization
FAST	Food and Agriculture for Sustainable Transformation Initiative
FDI	foreign direct investment
FET	fair and equitable treatment
FTA	free trade agreement
G20	Group of 20
GATS	General Agreement on Trade in Services
GATT	General Agreement on Tariffs and Trade
GERD	Grand Ethiopian Renaissance Dam
GFC	Green Finance Committee
GIP	Green Investment Protocol
GIPs	Green Investment Principles
GIT	Green Investment Treaty
GSP	Generalized Scheme of Preferences
GW	gigawatts
HDGMP	Hydrogen and Decarbonized Gas Market Package
HLEG	High-Level Expert Group
HRC	Human Rights Council
HYRAP	high-yielding, resilient and adaptive practices
IACtHR	Inter-American Court of Human Rights
iCAN	Initiative on Climate Action and Nutrition
ICAP	International Carbon Action Partnership
ICCPR	International Covenant on Civil and Political Rights
ICESCR	International Covenant on Economic, Social and Cultural Rights
ICJ	International Court of Justice
ICSID	International Centre for Settlement of Investment Disputes
IEA	International Energy Agency
IFPRI	International Food Policy Research Institute
ILC	International Law Commission
IMO	International Maritime Organization
IPCC	Intergovernmental Panel on Climate Change
IPoE	International Panel of Experts
IRENA	International Renewable Energy Agency
ISDS	Investor–State Dispute Settlement
ISO	International Organization for Standardization
ITU	International Telecommunication Union
JWC	Joint Water Committee
LAC	Latin America and the Caribbean
LCOE	levelized cost of energy

LNG	liquefied natural gas
LSE	London School of Economics
LULUCF	land use, land use change and forestry
MARPOL	International Convention for the Prevention of Pollution from Ships
MENA	Middle East and North Africa
MERCOSUR	Southern Common Market
MFN	most favoured nation
MIT	multilateral investment treaty
MNE	multinational enterprise
MorSEFF	Morocco Sustainable Energy Financing Facility
Mt	megatonne
MTEICCA	Multilateral Treaty for the Encouragement of Investment in Climate Change Mitigation and Adaptation
MWh	megawatt hour
N ₂ O	nitrous oxide
NBI	Nile Basin Initiative
NDC	nationally determined contribution
NFRD	Non-Financial Reporting Directive
NGEU	Next Generation EU
NGO	non-governmental organisation
NOAA	United States National Oceanic and Atmospheric Administration
NT	national treatment
ODA	national official development assistance
OECD	Organization for Economic Cooperation and Development
OHCHR	Office of the United Nations High Commissioner for Human Rights
PCL	Private Climate Litigation
PEEREA	Protocol on Energy Efficiency and Related Environmental Aspects
PEF	product environmental footprint
PFCs	perfluorocarbons
PPA	power purchase agreement
ppb	parts per billion
ppm	parts per million
PRC	People's Republic of China
PRI	Principles for Responsible Investment
PROSUR	Forum for the Progress and Integration of South America
PSF	Platform on Sustainable Finance
PV	solar photovoltaic

List of Abbreviations

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RBC	responsible business conduct
RED	Renewable Energy Directive
REST	Retail Employees Superannuation Trust
SCAR	Scientific Committee on Antarctic Research
SCC	Stockholm Chamber of Commerce
SELA	Latin American and Caribbean Economic System
SFDR	Sustainable Finance Disclosure Regulation
SPM	Summary for Policy Makers
SST	sea-surface temperature
TEG	Technical Expert Group
TEU	Treaty on European Union
TFEU	Treaty on the Functioning of the European Union
TNI	Transnational Institute
TPA	Third-Party Access
TSD	trade and sustainable development
TSICCM	Model Treaty for Climate Change Mitigation and Adaptation
TWh	terawatt hours
UN	United Nations
UNASUR	South American Nations Union
UNCED	United Nations Conference on Environment and Development
UNCITRAL	United Nations Commission on International Trade Law
UNCLOS	United Nations Convention on the Law of the Sea
UNCRC	United Nations Committee on the Rights of the Child
UNDP	United Nations Development Programme
UNEP	United Nations Environment Program
UNFCCC	United Nations Framework Convention on Climate Change
UNGP	United Nations Guiding Principles on Business and Human Rights
UNWG	United Nations Women’s Guild
Urban-LEDS	Urban Low-Emission Development Strategies
U.S. EPA	United States Environmental Protection Agency
USSR	Union of Soviet Socialist Republics
VAT	value-added tax
VCLT	Vienna Convention on the Law of Treaties
VCLTIO	Vienna Convention on the Law of Treaties between States and International Organizations or between International Organizations
WTO	World Trade Organization
WYCJ	World’s Youth for Climate Justice