## Contents

Preface		V11
Chapter 1	Introduction Graciela Chichilnisky and Geoffrey Heal	1
Chapter 2	Markets for Tradable Carbon Dioxide Emission Quotas: Principles and Practice Graciela Chichilnisky and Geoffrey Heal	13
Chapter 3	Equity and Efficiency in Environmental Markets: Global Trade in Carbon Dioxide Emissions Graciela Chichilnisky, Geoffrey Heal, and David Starrett	46
Chapter 4	Emissions Constraints, Emission Permits, and Marginal Abatement Costs Geoffrey Heal	68
Chapter 5	Equilibrium and Efficiency: International Emission Permits Markets Geoffrey Heal and Yun Lin	82
Chapter 6	Efficiency Properties of a Constant-Ratio Mechanism for the Distribution of Tradable Emission Permits Andrea Prat	110
Chapter 7	Who Should Abate Carbon Emissions? An International Viewpoint Graciela Chichilnisky and Geoffrey Heal	126

Chapter 8	Differentiated or Uniform International Carbon Taxes: Theoretical Evidences and Procedural Constraints Jean-Charles Hourcade and Laurent Gilotte	135
Chapter 9	Efficiency and Distribution in Computable Models of Carbon Emission Abatement Joaquim Oliveira Martins and Peter Sturm	156
Chapter 10	Securitizing the Biosphere Graciela Chichilnisky and Geoffrey Heal	169
Chapter 11	Equity and Efficiency in Emission Markets: The Case for an International Bank for Environmental Settlements Graciela Chichilnisky	180
Chapter 12	The Clean Development Mechanism: Unwrapping the "Kyoto Surprise"  Jacob Werksman	218
Chapter 13	Knowledge and the Environment: Markets with Privately Produced Public Goods Graciela Chichilnisky	242
Chapter 14	A Commentary on the Kyoto Protocol Raúl Estrada-Oyuela	247
Appendix	The Kyoto Protocol of the United Nations Framework Convention on Climate Change	255
List of Contributors		281
Index		287