European Climate and Clean Energy Law and Policy

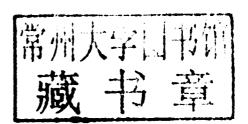
Leonardo Massai





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European Climate and Clean Energy Law and Policy

To Giulia and Ernesto

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Preface

The origin of this book can be traced back a number of years. It all started with the desire of the author to keep track of the increasing amount of legislation and activities of the European institutions, Member States and international community in the field of climate change and clean energy. As a practitioner and academic directly involved in the field, the need for a constant and frequent update on these matters was the main reason behind this book.

The official sources of information dealing with European Union (EU) climate and clean energy, mainly the website of the EU, soon proved to be too limited in their role and function to respond to the needs of experts working and researching in the field. Furthermore, requests for information from individuals with less experience have also grown substantially in number.

The collection of the material for this book started around 2003 when the author began to assemble legislation, policy and communication papers and official reports. One of the main features of the electronic book is the up-to-date linkages it gives to the original sources, representing a unique product in the panorama of EU and international literature. This work has grown rapidly in terms of volume and the importance of climate change and clean energy issues on the agenda of the international and European community, and it will contribute to further develop the agenda.

The book therefore presents an unprecedented compilation of information on climate and clean energy law and policy in Europe since the early 1990s, in terms of the themes considered and information provided. It aims to show the extent of the EU's commitment towards the development of an advanced environmental policy to fight global warming and to boost clean energy, independently from the developments in international law.

Due to the close relationships and interlinkages between the various issues addressed in this book, the ordering of the chapters, which cover different thematic areas, is solely based on the choice of the author, with a view to providing as much clarity as possible. Inevitably, chronological order is not always maintained and the same information can appear in different chapters.

xvi • European Climate and Clean Energy Law and Policy

Special recognition is due to Environmental Data Services (ENDS), Europe's major source of environmental news and information, which has often proved to be an excellent inspiration for the author.

Contents

List	of Acror	nyms and Abbreviations	$\dots ix$
List	of Figur	res and Tables	. xiii
Prefa	ıce		xv
1	Introd	luction to European Environmental Law	1
2	The I	nternational Climate Regime	10
	2.1	The UNFCCC	12
	2.2	The Kyoto Protocol	16
	2.3	The Kyoto Protocol: Operational measures	26
	2.4	Post-2012	
3	The Foundations of European Climate Policy		49
	3.1	Early provisions	49
	3.2	The EU in the international climate regime	52
	3.3	The EU Burden Sharing Agreement	56
	3.4	Internal structure and climate change negotiations	59
4	The E	Environment Council	68
5	Clean	Energy	71
	5.1	Energy taxation	77
	5.2	SAVE, ALTENER and research	
6	Energ	y Efficiency	89
7	Renewable Energy		

viii • European Climate and Clean Energy Law and Policy

8	Transport Sector and GHG Emissions				
		Road transport			
9	Greenhouse Gases Emissions Monitoring and Reporting				
10	European Climate Change Programme				
	10.1 10.2 10.3	ECCP I (2000–2001)	154		
11	Carbor	n Capture and Storage	159		
12	Fluorin	nated and Other Gases	163		
13	Agriculture and Forestry				
14	European Allowance Trading Directive 2003/87/EC and its Amendments				
	14.1 14.2 14.3 14.4	National Allocation Plans Second phase National Allocation Plans EU ETS review Registries	175 180		
15	Linking Directive				
16	EU and	d post-2012	196		
	16.1	Integrated climate and energy package	206		
17	Impacts	s and Adaptation	217		
18	Climate Change Litigation				
19	Compl	iance	228		
Biblio	graphy		230		
Index			233		

List of Acronyms and Abbreviations

AAU assigned amount unit

AGBM Ad Hoc Group on the Berlin Mandate

AOSIS Alliance of Small Island States
APP Asia-Pacific Partnership

ASEAN Association of Southeast Asian Nations

AWG-LCA Ad Hoc Working Group on Long-term Cooperative Action AWG-KP Ad Hoc Working Group on Further Commitments for Annex I

Parties under the Kyoto Protocol

BAP Bali Action Plan

BAPA Buenos Aires Plan of Action BSA Burden Sharing Agreement

CACAM Central Asia, Caucasus, Albania and Moldova

CBD Convention on Biological Diversity

CCS carbon capture and storage

CCPM common and coordinated policy and measure

CDM Clean Development Mechanism

CEEC Central and Eastern European countries

CER certified emission reduction

CFC chlorofluorocarbons
CFI Court of First Instance
CG11 Central Group 11

CHP combined heat and power

CITL Community Independent Transaction Log

CLRTAP Convention on Long-Range Transboundary Air Pollution

CMP Conference of the Parties/Meeting of the Parties

CO₂ carbon dioxide

COP Conference of the Parties

COREPER Committee of Permanent Representatives

DNA Designated National Authority
DOE Designated Operational Entity

EACI Executive Agency for Competitiveness and Innovation

EAP Environment Action Programme

EATD European Allowance Trading Directive (2003/87/EC)

EC European Community

ECCP European Climate Change Programme

ECJ European Court of Justice
EEA European Environment Agency
EEC European Economic Community

EEPR European Energy Programme for Recovery enhanced environmentally friendly vehicle

EEW Energy Efficiency Watch

x • European Climate and Clean Energy Law and Policy

EFTA European Free Trade Area
EIT economy in transition
ELV end-of-life vehicle

ENDS Environmental Data Services

EPER European Pollutant Emission Register

ERU emission reduction unit ET emissions trading

ETS emissions trading scheme

EU European Union

EUA European Union allowance

FAO Food and Agriculture Organization

GEF Global Environment Facility

GHG greenhouse gas
GO guarantee of origin
GWP global warming potential
HFC hydrofluorocarbon

IASG Impact and Adaptation Steering Group
ICAO International Civil Aviation Organization
ICT information and communication technology

IET international emissions trading

INC Intergovernmental Negotiating Committee
IPCC Intergovernmental Panel on Climate Change
IPPC integrated pollution prevention and control

ISO independent system operator
ITL International Transaction Log
ITO independent transmission operator

JAMA Japanese Automobile Manufacturers Association

JI joint implementation

JISC Joint Implementation Supervisory Committee

JUSSCANNZ Coalition of non-EU Annex I Parties, guided by Japan, the

United States of America, Switzerland, Canada, Australia,

Norway and New Zealand

KAMA Korean Automobile Manufacturers Association

KP Kvoto Protocol

LCV light commercial vehicle
LDC Least Developed Country
LPG liquid petroleum gas

LULUCF land use, land use change and forestry
MEA multilateral environmental agreement
MEP Member of European Parliament

MOP Meeting of the Parties

MRV monitoring, reporting and verification NAMA nationally appropriate mitigation action

NAP National Allocation Plan NAS National Adaptation Strategy

NEEAP National Energy Efficiency Action Plan

NGO non-government organization

OECD Organisation for Economic Co-operation and Development

PAM policies and measures PFC perfluorocarbon

QELRC quantified emission limitation and reduction commitment

POP Persistent Organic Pollutants R&D research and development

REDD reduce emissions from deforestation in developing countries

REES renewable energy and energy efficiency strategy REIO regional economic integration organization

RMU removal unit

SAR Second Assessment Report

SBI Subsidiary Body for Implementation

SBSTA Subsidiary Body for Scientific and Technological Advice

SCCF Special Climate Change Fund

SEA Single European Act

SET-PLAN European Strategic Energy Technology Plan

SFM sustainable forest management
SMEs Small and Medium-sized enterprises
TEC Treaty of European Community
TEN-T trans-European transport network
TEU Treaty on European Union

TFEU Treaty on the Functioning of the European Union

TWh Terawatt hour UN United Nations

UNCCD United Nations Convention to Combat Desertification
UNCED United Nations Conference on Environment and

Development

UNECE United Nations Economic Commission for Europe

UNEP United Nations Environment Programme

UNFCCC United Nations Framework Convention on Climate Change

VAT value added tax

WCP World Climate Programme

WMO World Meteorological Organization

WSSD World Summit on Sustainable Development

WTO World Trade Organization

List of Figures and Tables

Fig	ures
2.1	Sources of GHG emissions in the EU
3.1	The distribution of the responsibilities and tasks of European climate policy (pre-Lisbon Treaty)
5.1	The evolution of the structure of environmental taxes in the period
30.7.3	2000–2008 (percentage of gross domestic product)80
9.1	EU27 GHG emissions 1990-2007
9.2	EU15 GHG emissions 1990-2007 (excluding LULUCF) compared
	with the target for 2008–2012
9.3	Projected emission scenarios in the EU15140
9.4	Projected emission scenarios in the EU15
9.5	EU27 GHG emissions 1990-2008 (excluding LULUCF)141
9.6	EU15 GHG emissions, base year 2008 compared with target for
	2008–2012 (excluding LULUCF)
14.1	Distribution of the effort among sectors to achieve the 20 per cent
	GHG emission reduction target of the EU
Tab	los
2.1	Annex I parties to the UNFCCC
2.2	Status of ratification of the Kyoto Protocol
2.3	Annex A of the Kyoto Protocol24
2.4	Annex B of the Kyoto Protocol
2.5	COP13 and COP/MOP3 decisions
2.6	COP14 and COP/MOP4 decisions
2.7	COP15 and COP/MOP5 decisions
3.1	Quantified emission limitation and reduction commitments for the purpose
	of determining the respective emission levels allocated to the
	European Community and its Member States in accordance
7 1	with Article 4 of the Kyoto Protocol
7.1	Reference values for Member States' national indicative targets for the
	quantity of electricity produced from renewable energy sources
7.2	to gross electricity consumption by 2010
1.2	in final energy consumption in 2020
9.1	GHG emissions scenario of the EU in respect of the Kyoto
9.1	Protocol's first commitment period
14 1	Members States' EUAs based on NAPs approved by the European
17.1	Commission, 2005–2007
14 2	27 NAP II assessed by the European Commission in December 2007178

xiv • European Climate and Clean Energy Law and Policy

16.1 EU and Member States commitment under Appendix 1	
of the Copenhagen Accord	204
16.2 20 20 targets by 2020 updated to 2005	207
16.3 Member States limits by 2020 for non-EU ETS sectors	
(proposed by the Commission)	209

Introduction to European Environmental Law

The protection of the environment is one of the key pillars of EU law and policy with the European institutions fully engaged in the matter since the late 1970s, when the first regulations were adopted. A specific title on environmental protection was first introduced in the system of European Community (EC) treaties by the Single European Act (SEA) of 1986 (Articles 130r to 130t) and further refined with the Treaty of Maastricht in 1992 (Articles 174 to 176) and the Treaty of Amsterdam of 1997. At the moment of writing, the Treaty of Lisbon is the last step of European integration and introduced several important reforms of EU institutions and law. The changes initiated by the Treaty of Lisbon have a very limited impact on environmental protection, in particular as far as the decision-making procedures and the distribution of competences are concerned. They only provide for more clarity. In particular, the Treaty of Lisbon does not modify the requirement of unanimity in the Council for the adoption of legislation on environmental taxation and energy sources.

EU environmental policy is based on the principles of sustainable development and integration of environmental concerns in all other areas. Sustainable development is mentioned within the objectives of the EU (Article 3(3) Treaty on European Union (TEU)) after the incorporation of the objectives of the EC. The principle is mentioned in the same weak manner as in the previous treaties, namely along with the principles of economic growth and price stability, although with Lisbon reference is made to the sustainable development of Europe. Furthermore, Article 3(5) TEU refers to the role of the EU in the world and to the 'sustainable development of the Earth', and sustainable development is contained in the title on General Provisions on the Union's External Action (Article 21(2)d and f TEU). In this way, sustainable development is included in the list of objectives that guide the external action and the common foreign and security policy of the EU.

2 · European Climate and Clean Energy Law and Policy

The Treaty of Lisbon introduces three references to the environmental integration principle, namely:

- Article 11 Treaty on the Functioning of the EU (TFEU) (ex Article 6 Treaty of EC (TEC));
- · Article 13 TFEU: integration in the field of animal welfare;
- Article 194(2) TFEU: integration in the field of energy policy.

With the TFEU, the unique position occupied by the environmental integration principle in the TEC loses some relevance due to the fact that more references to the integration principle have been promoted to the section of provisions having general application, such as sex equality, employment and social policies, non-discrimination, etc. (Articles 7–13 TFEU).

Furthermore, objectives and principles of EU environmental protection are indicated under Article 191(1) and (2) of the TFEU. They are:

· Objectives:

- preservation, protection and improvement of the quality of the environment;
- protection of human health;
- prudent and rational utilization of natural resources;
- promotion of international measures to deal with environmental problems, in particular combating climate change;

· Principles:

- high level of protection;
- precautionary principle;
- principle of prevention;
- polluter pays principle.

The only change introduced by the TFEU in this section is the introduction of a specific reference to the fight against climate change among the objectives of European environmental policy.

Article 192 TFEU refers to the decision-making procedure in the field of environmental protection and mirrors ex Article 175 TEC, namely, ordinary legislative procedure under paragraph 1 (co-decision and qualified majority voting in the Council) and unanimity in the Council required for provisions of a fiscal nature, measures affecting town and country planning, management of water resources and land use, and national choices between different energy sources and the general structure of energy supply.

A new title on energy policy is introduced by the Treaty of Lisbon (Title XXI, Article 194 TFEU), which basically codifies the practice of the EU institutions and Member States on this matter. Article 194(1) indicates the objectives of EU energy policy:

- (a) ensure the functioning of the energy market;
- (b) ensure security of energy supply in the Union;

- (c) promote energy efficiency and energy saving and the development of new and renewable forms of energy;
- (d) promote the interconnection of energy networks.

The ordinary legislative procedure should be applied to achieve the objectives of paragraph 1 (Article 194(2)) without breaching the limits set under Article 192(2)(c) ('Member State's right to determine the conditions for exploiting its energy resources, its choice between different energy sources and the general structure of its energy supply'). Measures of a fiscal nature shall be adopted in accordance with a special legislative procedure (unanimity in the Council) as prescribed under Article 194(3).

EU environmental protection and clean energy policy and law are nowadays areas where the action of the EU and its Member States is most significant and advanced. The result of EU environmental policy is around 300 legal acts covering horizontal legislation, water and air pollution, climate change, management of waste and chemicals, biotechnology, nature protection, industrial pollution and risk management, noise and radiation protection. In terms of the status of environmental protection in the EU as of 2010, the 2009 Environmental Policy Reviews (Annual report on EU environment policy) released by the European Commission on 10 August 2010 shows that positive trends are observed in areas such as renewable energy, organic farming, the recycling of packaging waste and compliance with the Kyoto Protocol. On the contrary, negative trends were reported on energy use in the transport sector, nature protection, air pollution and waste generation.

One of the issues to be considered when addressing EU environmental law and policy, especially in relation with international law and multilateral environmental agreements (MEAs) is the division of internal and external competences between the EC and the Member States. Furthermore, with the reform of the EU treaties introduced by the Treaty of Lisbon, the EU has acquired an international legal personality and therefore replaced the EC.

The legislative competence of the EC and the Member States to act in a specific area of Community law was defined by the TEC and now by the TFEU. The competences in the different areas of Community law can be either shared between the EC and the Member States – in the majority of cases – or exclusively assigned to either of them. Before Lisbon, although in most cases the TEC explicitly identified the boundaries of the different Community policies and specified whether the competence was shared or exclusive, this distinction was sometimes open to different interpretations.

In this respect, the opinion of the European Court of Justice (ECJ) was necessary to clarify uncertainties generated by the lack of a clear demarcation between exclusive and shared competences in the EU. This is why, for instance, on several occasions, the European legislator considered Article 352 TFEU (ex Article 308 TEC, originally Article 235 TEC) as the legal basis for acting, particularly where the Treaty failed to give the Community specific and express legislative power in a certain area.³ This was the case with early adopted European environmental legislation and policy until a specific title on environmental