

# LIST OF CONTENTS

	page
<b><u>FOREWORD</u></b>	1
<b>Europe: Its Environmental Identity</b>	<b>Ralph Kinnear, Barbara Rhode ..... 5</b>
1. Introduction	5
2. A Geographical Outline	7
2.1. Topographic Relationships	7
2.2. The Relationship to the World System	9
3. The Main Drainage Systems	9
3.1. The Atlantic Coast Sub-system	11
3.2. The North Sea Sub-system	11
3.3. The Mediterranean Sub-system	12
3.4. The Caspian Sub-system (Volga Basin)	12
3.5. The Arctic Sub-system	13
4. The Wind System	13
5. The Agricultural Revolution	14
6. The Effects of the Industrial Revolution	15
7. Environmental Awareness	17
7.1. In Western Europe	18
7.2. In Eastern Europe	19
<b>The Background to Environ- mental Protection in Market and Planned Economy Countries</b>	<b>Nigel Haigh, Gyula Bora, Violetta Zentai ..... 22</b>
1. Introduction	22
2. Market Economy Countries	23
3. Planned Economy Countries	25

**THE REPUBLIC OF AUSTRIA****Karl-Christian Onz .... 30**

1. National Situation and Basic Facts	30
1.1. Physical and Geographical Description	30
1.2. Background of Recognized Environmental Problems	31
1.3. Basic Facts	33
1.3.1. Economic and Environmental Situation	33
1.3.2. Legal Tradition	34
2. Institutional Set-up	35
3. Environmental Decision-making Process	37
3.1. Main Environmental Laws	37
3.1.1. Comprehensive Environmental Protection	38
3.1.2. Air Purification	38
3.1.3. Water Management	41
3.1.4. Vegetation Protection	41
3.1.5. Waste Management	42
3.1.6. Noise Protection	43
3.1.7. Emission Protection under Civil Law	43
3.2. Economic Instruments	44
3.2.1. Environmental Impact Assessment	44
3.2.2. Subsidies	44
3.2.3. Penalties	47
3.3. Monitoring	48
3.4. Public Participation and Education	49
4. Conclusions	50

**THE PEOPLE'S REPUBLIC OF BULGARIA****George Djolov,  
Dimitrina Dimitrova ... 53**

1. Geographic, Economic and Environmental Situation	53
2. Legislative Background	57
3. Management and Organizational Structure	60
4. Decision-making in the Field of Environmental Protection	62
4.1. Political and State Decisions	62
4.2. Planning of the Environmental Protection Activities	63
4.3. Environmental Impact Assessment	64
4.4. Subsidies and Penalties	65
4.5. Public Participation	66
4.6. Constraints and Conflicts	67

**THE CZECHOSLOVAK SOCIALIST REPUBLIC****Miroslav Gottlieb,  
Jaromír Pospíšil,  
Zdeněk Madar ..... 69**

1. General Ecological Characteristics	69
2. Contemporary State of the Biosphere	71
2.1. The Atmosphere	71
2.2. Forest Ecosystems	75
2.3. Water	77
2.4. Soil	80

3. Aspects of Landscape Ecology	83
4. Legal Aspects of Environmental Protection	88
4.1. Protection of the Purity of Atmosphere	88
4.2. Protection of Water	90
4.2.1. Planned Water Economy	90
4.2.2. Protection of the Purity of Water	91
4.3. Protection of Soil	92
4.4. Protection of Nature	93
4.5. Protection of Forests	94
4.6. Protection against Noise and Vibrations	95
4.7. Protection against Ionizing Radiation	95
4.8. Conclusion	96
5. Institutional Set-up	96
6. Education in the Field of Environmental Protection	97

<b><u>THE KINGDOM OF DENMARK</u></b>	<b>Klaus Illum</b>	<b>.....</b>	<b>100</b>
--------------------------------------	--------------------	--------------	------------

1. Introduction: an Enquiry into The Nature of Our Ecological Problems	100
2. The Environmental Situation in Denmark	104
2.1. The Countryside and Its Use	104
2.2. Danish Approaches towards Some Environmental Problems	105
3. Legislation and Administration	109
3.1. The Environmental Reform 1974	109
3.2. Regional and Municipal Planning	110
3.3. Pollution Abatement	113
4. Administrative Problems and Political Trends	115

<b><u>THE FRENCH REPUBLIC</u></b>	<b>Gilles Nancy</b>	<b>.....</b>	<b>124</b>
-----------------------------------	---------------------	--------------	------------

1. Introduction	124
2. Time Series and Pollution Indices	125
2.1. Gross Domestic Product	125
2.2. Atmospheric Discharges	125
2.3. Quality of Water	128
2.4. Agricultural Production	129
3. Theoretical and Legal Frameworks	130
3.1. Water Resources Policy	130
3.2. The Control of Atmospheric Pollution	137
3.3. Protection of Flora and Fauna	139
4. Environmental Policy, Economic Rhythm and Technological Change	142

<b><u>THE GERMAN DEMOCRATIC REPUBLIC</u></b>	<b>Horst Paucke</b>	<b>.....</b>	<b>148</b>
--	---------------------	--------------	------------

1. Ecological Situation and Point of Departure	148
1.1. Physical and Geographical Description	148
1.2. Historical Background of Recognized Environmental Problems	149
1.3. Present Economic and Ecological Situation	151
2. Legal Tradition	155

3. Institutional Set-up	156
4. Environmental Decision-making Process	159
5. Public Involvement and Education	160
6. Constraint and Conflicts	161
7. Important Multilateral and Bilateral Conventions	163

#### **FEDERAL REPUBLIC OF GERMANY**

**Udo E. Simonis .... 168**

1. Problems of Defining Environmental Policy	168
2. General Assessment of Environmental Policy	170
2.1. Air Pollution	171
2.2. Water Pollution	173
2.3. Noise Pollution	174
2.4. Waste Material	175
3. The Decision-making Process	177
3.1. Main Elements of Policy Style	177
3.2. Short History of Environmental Policy	179
3.3. Overview on Institutional Aspects on Integration of Environmentalists	181
4. Conclusion	183

#### **THE UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND**

**Richard B. Macrory .. 188**

1. The Context	188
1.1. Geography	188
1.2. Influence on Policy and Legislative Style	189
2. Administrative Arrangements	192
2.1. Central Government	192
2.2. Local Government	193
2.3. National Agencies	193
3. Legislative Background	194
4. Land-use, Landscape and Habitat Protection	195
4.1. Land-use Planning Controls	195
4.2. Landscape and Habitat Protection	196
4.3. Agriculture and the Environment	197
5. Air Pollution	198
5.1. Stationary Sources	198
5.2. Vehicle Emissions	199
5.3. Monitoring	200
5.4. Policy Achievements	200
6. Disposal of Waste on Land	201
6.1. General	201
6.2. The System of Controls	201
6.3. Effectiveness of Controls	202
6.4. Radioactive Waste	202
7. The Toxic Substances	203
8. Water Pollution	203
9. Noise	204
10. Public Participation	205
10.1. Growth in Membership of Amenity Groups	205
10.2. Participation in Decision-making	205
11. Environmental Education	206
12. Conclusions	207

**THE HUNGARIAN PEOPLES REPUBLIC****György Enyedi,  
Violetta Zentai ... 213**

1. Introduction and Background	213
1.1. Geography	213
1.2. Economy	214
1.3. Historical Background of Environmental Policy and Legislation	215
2. Management and Organization	217
2.1. The Nationwide Management System	217
2.2. Local Management	219
3. Environmental Decision-making process	219
3.1. The Actors	219
3.1.1. The State	220
3.1.2. Producers	223
3.1.3. Local Councils	224
3.1.4. Citizens	225
3.2. Policy Implementation in Selected Media	226
4. Constraints and Conflicts	229
4.1. The Situation of the National Economy	229
4.2. Structural Features of Socialist Societies	230
4.3. Economic Approach of Modern Economies	230

**THE ITALIAN REPUBLIC****Achille Cutrera,  
Antonella Capria ... 236**

1. Physical and Geographical Description	236
2. Historical Reconstruction of the Environmental Situation	237
2.1. Industrial Development	238
2.2. Pollution	238
2.3. Agricultural Transformation	239
2.4. Natural Disasters	239
2.5. Damage to Coasts	240
3. Economic-Environmental Indicators	240
4. Legal Framework	241
5. The Administrative Framework	242
5.1. Central Administrative Levels	242
5.2. Local Administrative Level	243
5.3. Application of EEC Directives in Italy	244
6. Environment-related Legislation	244
6.1. Nature Conservation	244
6.2. Conservation of Italy's Artistic and Historic Heritage	245
6.3. Air Pollution	245
6.4. Water Pollution Regulation	248
6.5. Sea Protection	250
6.6. Waste Pollution	251
6.7. Chemical Products in Agriculture	253
6.8. Noise Pollution	254
6.9. Environmental Impact Assessment (EIA)	254
7. Monitoring (Air and Water)	256
8. Subsidies	257
8.1. Government Expenditure	257
8.2. Regional Expenditure	258

9. Fines and Penalties	259
9.1. Atmospheric Pollution	259
9.2. Water Pollution	259
9.3. Waste Pollution	260
10. Organizations Concerned with Environmental Issues	261
10.1. Court Cases and Related Procedures	262
11. Environmental Education	263
12. Conclusions	263

## **THE KINGDOM OF THE NETHERLANDS**      **August J. Gijswijt .. 267**

1. Introduction	267
1.1. Geography	267
1.2. Historical Background of Recognizing Environmental Problems and Social Movements' Response	269
2. Institutional Set-up	271
2.1. Environmental Public Administration and Political System	272
2.2. Administrative Structure: Central Government	273
2.3. Administrative Structure: Regional and Local Government	274
3. Main Environmental Laws	276
4. Environmental Impact Assessment (EIA)	284
5. Environmental Decision-making Processes: Perspectives and Constraints	286

## **THE POLISH PEOPLE'S REPUBLIC**      **Anna Starzewska .... 294**

1. Economic and Natural Conditions	294
2. Institutional Set-up of Environmental Protection	298
3. Decision-making Process Within Environmental Protection	300
3.1. Principal Legal Acts Referring to Environmental Protection	301
3.2. Environmental Impact Assessment	302
3.3. Charges and Penalties	304
3.4. Constraints and Conflicts	305

## **THE UNION OF SOVIET SOCIALIST REPUBLICS**      **Evgeny N. Lisitzin .. 311**

1. Natural Situation and Point of Departure	311
1.1. Physical, Geographical and Climatic Description	311
1.2. Development and Environment: Mutual Relationships	313
1.3. Historical Background of Environmental Policy and Legal Tradition	314
2. The Administrative Framework of Environmental Policy	316
2.1. Environmental Management in the Planned Economy	318

3. Environment-related Legislation	320
3.1. General Remarks	320
3.1.1. Land Conservation	320
3.1.2. Protection of Inland Waters	321
3.1.3. Forest Conservation	323
3.1.4. Air Protection	324
4. Environmental Impact Assessment	325
5. Monitoring and Environmental Control	326
6. Public Organizations and Environmental Education	329

### **THE SOCIALIST FEDERAL REPUBLIC OF YUGOSLAVIA**

**Lovro Sturm** ..... 334

1. National Situation and Point of Departure	334
2. Institutional Set-up	337
3. International Cooperation	340
4. The Environmental Decision-making Process	341
4.1. Axiological Premises	341
4.2. Environmental Legislation	343
4.3. Monitoring	345
4.4. Public Activity: Environmental Education	346
4.5. Policy Implementation - Conflicts and Constraints	348

### **COLLABORATIVE ARRANGEMENTS FOR ENVIRONMENTAL PROTECTION IN EUROPEAN SOCIALIST COUNTRIES**

**Evgeny N. Lisitzin** .. 352

1. The Fundamentals of Socialist Countries' Environmental Cooperation	352
1.1. CMEA Organizational Structure	353
1.2. Historical Development of CMEA Environmental Cooperation	354
2. Forms of Environmental Cooperation	356
3. CMEA Countries' Environmental Protection Activity	358
4. CMEA Activity in International Organizations	362
5. Conclusions	363

### **COLLABORATIVE ARRANGEMENTS FOR ENVIRONMENTAL PROTECTION IN WESTERN EUROPE**

**Nigel Haigh** ..... 366

1. The Environment as a Recent Subject of International Relations	366
2. International Conventions	367
3. Inter-governmental Organizations	370
4. The Council of Europe	371
5. The Environmental Work of the Council of Europe	373
5.1. Conservation of Nature	374
5.2. Architectural Heritage	375
5.3. Town Planning	375
5.4. Regional Planning	376

5.5. Pollution Control	376
6. The European Community	377
7. The Environmental Work of the European Community	378
7.1. Water Pollution	381
7.2. Air Pollution	382
7.3. Waste	383
7.4. Chemicals	383
7.5. Wildlife	384
7.6. Noise	385
7.7. Other Subjects	385
8. Conclusions	386

**THE UNITED NATIONS ECONOMIC  
COMMISSION FOR EUROPE**

**Barbara Rhode . . . . . 388**

1. All-European Environmental Policies	388
2. The History of the ECE	389
2.1. Water Pollution	390
2.2. The 1970s and the Start of International Environmental Policies	391
2.3. The Conference on Security and Cooperation in Europe	392
3. ECE Policies after the CSCE	392
3.1. The 30% Club	393
4. The ECE as an Intergovernmental Organization	394

<b>Abbreviations and Acronyms</b>	<b>397</b>
<b>List of Authors</b>	<b>399</b>