
I I

IPCC RESPONSE STRATEGIES
WORKING GROUP REPORTS

Contents

IPCC Response Strategies

Working Group Reports

1. INTRODUCTION	5
2. EMISSIONS SCENARIOS	9
Executive Summary	13
2.1 Introduction	17
2.2 Definition of Scenarios and Methodology	17
2.3 Assumptions	19
2.4 Results	25
2.5 Sensitivity Analysis	37
References	42
 Subgroup Reports	
3. ENERGY AND INDUSTRY	45
3.1 Introduction	49
3.2 Role of the Energy Sector	51
3.3 Scenarios for Future Greenhouse Gas Emissions	57
3.4 The Scale of the Emission Gap	57
3.5 Response Options and Measures	59
3.6 Costs	65
3.7 The Global Policy Challenge	68
3.8 Response Strategies	68
3.9 Recommendations	69
4. AGRICULTURE, FORESTRY, AND OTHER HUMAN ACTIVITIES	73
Executive Summary	77
4.1 Introduction	85
4.2 Forest Response Strategies	87
4.3 Agriculture Response Strategies	105

4.4 Methane from Landfill Sites and Wastewater Treatment Plants	115
4.5 Discussion and Conclusions	116
References	118
Appendix 4.1	121
Appendix 4.2	122
5. COASTAL ZONE MANAGEMENT	129
Preface	133
Executive Summary	135
5.1 Introduction	141
5.2 Adaptive Responses	146
5.3 Environmental Implications of Adaptive Responses	149
5.4 Economic Implications	151
5.5 Social and Cultural Implications	152
5.6 Legal and Institutional Implications	154
5.7 Priorities for Adaptive Responses	156
References and Endnotes	158
6. RESOURCE USE AND MANAGEMENT	161
Preface	165
Executive Summary	166
6.1 Introduction	171
6.2 The Need for Adaptive Policy Responses	173
6.3 Evaluation and Timing of Response Strategies	175
6.4 Identifying and Classifying Options for Adaption	176
6.5 General Response Options Applicable to Resources	177
6.6 Water Resources	180
6.7 Land Use and Managed and Natural Ecosystems	187
6.8 Food Security	193
Appendix 6.1	201
Appendix 6.2	203
 Implementation Measures	
7. PUBLIC EDUCATION AND INFORMATION	209
8. TECHNOLOGY DEVELOPMENT AND TRANSFER	219
9. ECONOMIC (MARKET) MEASURES	229
10. FINANCIAL MECHANISMS	245
11. LEGAL AND INSTITUTIONAL MECHANISMS	257