

Contents

Abbreviations and acronyms	5
Acknowledgements	11
Contributors by chapter/section	12
Foreword.....	16
1 Europe's environment in an age of transition	19
1.1 Is the pan-European region meeting its environmental challenges?.....	20
1.2 Key socio-economic developments across the pan-European region	23
1.3 Towards pan-European sustainable development	36
1.4 Assessing the pan-European state of the environment.....	46
2 Environment and health and the quality of life	53
2.0 Introduction	54
2.1 Environment and health perspective	56
2.2 Air quality	72
2.3 Inland waters	90
2.4 Soil	114
2.5 Hazardous chemicals	126
3 Climate change.....	145
3.1 The challenge: tackling climate change	147
3.2 Climate change and its impact	149
3.3 Interaction between climate change and ozone-layer depletion.....	159
3.4 Greenhouse gas emissions	161
3.5 Mitigation.....	168
3.6 Adaptation to climate change.....	172
4 Biodiversity	175
4.1 The commitment: halting biodiversity loss by 2010.....	177
4.2 The case: Europe's threatened biodiversity	177
4.3 Providing a backbone: ecological networks	186
4.4 Achieving sustainable use: forestry and agriculture.....	192
4.5 Controlling invasive alien species	199
4.6 Getting the message across: monitoring and public awareness.....	202

5 Marine and coastal environment.....	207
5.1 Introduction	210
5.2 Policies to protect pan-European seas	212
5.3 Main issues on the state of the marine and coastal environment in the pan-European region	215
6 Sustainable consumption and production	251
6.1 Introduction	254
6.2 Production and resource use.....	255
6.3 Consumption	266
6.4 Waste.....	277
7 Sectors that drive environmental change	291
7.0 Introduction	292
7.1 Agriculture	294
7.2 Transport	306
7.3 Energy	322
7.4 Tourism	340
Annexes	357
Annex 1 Legal instruments.....	358
Annex 2 Country statistics	375
Annex 3 International comparisons	384
References	411