Table of Contents

List of tables page viii
General editors' preface ix
Foreword – Professor Tommy Koh xv
Acknowledgments xvii

Introduction: exploring environmental law in Southeast Asia 1

1 ASEAN and environmental sustainability 13

2 Integrating sustainability into ASEAN state practice 27

3 The environment in the ASEAN region 37
   3.1 Evaluating bio-geographic trends in the ASEAN region 37
   3.2 The state of the environment in the ASEAN region and five key issues 48
      3.2.1 Biodiversity conservation and natural and cultural heritage 53
      3.2.2 Freshwater resources and forests 57
      3.2.3 Fisheries and the marine environment 63
      3.2.4 Human settlements 70
      3.2.5 Atmosphere 77

4 Environmental sustainability laws in the ASEAN member states 82
   4.1 Southeast Asian legal systems and constitutions 83
   4.2 Regional and international cooperation 89
   4.3 Protection and conservation of biological, natural and cultural heritage 91
## CONTENTS

4.3.1 Biological diversity: Flora and fauna 91  
4.3.2 Natural and cultural heritage 96  
4.4 Natural resources: Fresh and other sources of water and forests 99  
4.4.1 Fresh water 99  
4.4.2 Forests 108  
4.5 Marine and coastal resources 112  
4.6 Human settlements 114  
4.7 Atmosphere 117  
4.8 Appraisal of integration through law 124

5 ASEAN collaboration towards environmental sustainability 126  
5.1 Cooperation before the ASEAN Charter of 2007 131  
5.2 The ASEAN Charter and beyond 137  
5.3 Implementing the Roadmap for an ASEAN Community 2009–2015 139  
5.4 ASEAN’s Roadmap for the Millennium Development Goals (MDGs) 140  
5.5 Selected regional case studies 142  
5.5.1 Avian influenza 143  
5.5.2 “Haze” 149  
5.5.3 Cyclone Nargis and Myanmar 153  
5.5.4 Thai floods and Typhoon Bopha and Typhoon Yolanda/Haiyan in the Philippines 156  
5.5.5 Wildlife crimes 161  
5.5.6 ASEAN’s strategic transnational water action plan 171

6 ASEAN and climate disruption 176  
6.1 Flora and fauna and protected areas 190  
6.2 Fresh water and forests 191  
6.3 Marine and coastal resources 194  
6.4 Human settlements 196  
6.4.1 Cities 196  
6.4.2 Countryside 200  
6.5 Atmosphere 203
CONTENTS

7 Conclusions: ASEAN's challenging way forward 207

Executive summary 223
Appendix A: ASEAN organizational structure relevant to the environment – the ASEAN Charter 228
Appendix B: Founding of ASEAN – a short history 229
Index 240