

CONTENTS

Foreword xi

Secretary-General Ban Ki-moon of the United Nations

Preface xiii

Acknowledgments xv

1 INTRODUCTION TO SUSTAINABLE DEVELOPMENT 1

- I What Is Sustainable Development? 1
- II An Introduction to Economic Growth 14
- III Continuing Poverty in the Midst of Plenty 27
- IV Global Environmental Threats Caused by Economic Development 34
- V Pathways to Sustainable Development 42

2 AN UNEQUAL WORLD 45

- I Incomes Around the World 45
- II Urban-Rural Inequality 50
- III Income Inequality Within Countries 55
- IV Measuring Wellbeing 60
- V Convergence or Divergence? 66

- 3 A BRIEF HISTORY OF ECONOMIC DEVELOPMENT 71**
- I The Age of Modern Economic Growth 71
 - II The Industrial Revolution Begins in England 74
 - III The Great Waves of Technological Change 79
 - IV The Diffusion of Economic Growth 86
 - V Economic Development Since World War II:
The Making of Globalization 92
- 4 WHY SOME COUNTRIES DEVELOPED WHILE OTHERS STAYED POOR 101**
- I The Idea of Clinical Economics 101
 - II A Further Look at Geography—Transport, Energy, Disease, and Crops 109
 - III The Role of Culture—Demography, Education, and Gender 121
 - IV The Role of Politics 129
 - V Which Countries Are Still Stuck in Poverty? 135
- 5 ENDING EXTREME POVERTY 139**
- I The Reasons to Believe That Extreme Poverty Can Be Ended 139
 - II Strategies to End Extreme Poverty 149
 - III South Asia—the Continuing Challenge of Food Supply 159
 - IV A Closer Look at Official Development Assistance 171
 - V Designing Practical Interventions—the Case of the Millennium Villages 175
- 6 PLANETARY BOUNDARIES 181**
- I Planetary Boundaries 182
 - II Growth Dynamics 194
 - III The Case of Energy 200
 - IV The Case of Food 204
 - V Population Dynamics and Sustainable Development 208
 - VI Economic Growth Within Planetary Boundaries 214
- 7 SOCIAL INCLUSION 219**
- I The Ethics of Wealth, Poverty, and Inequality 219
 - II United Nations Declarations, Covenants, and the MDGs 228

- III Divided Societies 232
- IV Forces of Widening Inequalities 239
- V Gender Inequality 244

8 EDUCATION FOR ALL 251

- I Life Cycle Approach to Human Development 251
- II Early Childhood Development 256
- III The Rising Returns of Education and the Supply Response 263
- IV Social Mobility 267
- V The Role of Higher Education in Technological Advance 271

9 HEALTH FOR ALL 275

- I Universal Health Coverage 275
- II Poverty and Disease 287
- III Designing and Financing Primary Health Systems in Low-Income Countries 295
- IV Ten Recommended Steps to Health for All in the Poorest Countries 301
- V The Continuing Challenges of Health Coverage in the High-Income Countries 305

10 FOOD SECURITY 317

- I Sustainable Food Supply and the End of Hunger 317
- II Farm Systems, Ecology, and Food Security 327
- III How Environmental Change Threatens the Food System 334
- IV How the Food System Threatens the Environment 338
- V Toward a Sustainable Global Food Supply 347

11 RESILIENT CITIES 355

- I The Patterns of Urbanization Around the World 355
- II What Makes a City Sustainable, Green, and Resilient? 366
- III Smart Infrastructure 369
- IV Urban Resilience 378
- V Planning Sustainable Development 385

- 12 CLIMATE CHANGE** 393
- I The Basic Science of Climate Change 393
 - II The Consequences of Human-Induced Climate Change 406
 - III Mitigation of Greenhouse Gas Emissions to Limit Global Warming to Two Degrees Celsius 414
 - IV Adaptation 433
 - V The Politics of Carbon Dioxide Mitigation 440
- 13 SAVING BIODIVERSITY AND PROTECTING ECOSYSTEM SERVICES** 447
- I What Is Biodiversity? 447
 - II Biodiversity Under Threat 453
 - III Oceans and Fisheries 459
 - IV Deforestation 469
 - V International Dynamics 474
- 14 SUSTAINABLE DEVELOPMENT GOALS** 481
- I The Sustainable Development Goals (SDGs) 481
 - II Goal-Based Development 489
 - III Financing for Sustainable Development 496
 - IV Principles of Good Governance 502
 - V Is Sustainable Development Feasible? 505

Bibliography 513

Index 521