# Contents

1  Serendipity of Low Carbon Energy System and the Scope of Regional Cooperation .......................... 1  
Venkatachalam Anbumozhi and Xianbin Yao

Part I  An Evolutionary Analysis of Low-Carbon Energy Systems and Green Growth

2  Low Carbon Energy Systems in China: Visioning Regional Cooperation Through the Belt and Road ..................... 31  
Zhu Yuezhong, Tian Zhiyu, Liu Jianguo, Chao Feng and Liang Qi

3  A Multi-level Experience of Designing Low-Carbon Energy Systems in India ......................................... 55  
Ritu Mathur and Malancha Chakrabarty

4  Toward a Low-Carbon Economy for Indonesia: Aspirations, Actions and Scenarios .......................... 79  
Arianto A. Patunru and Arief Anshory Yusuf

5  Greening the Economy with Low Carbon Energy System: Developments, Policy Initiatives and Lessons from Malaysia ...... 111  
V.G.R. Chandran Govindaraju

6  On the Dynamics of Low Carbon Green Growth in Thailand ........ 131  
Qwanruedee Chotichanathawewong

7  Functional Characteristics of Low Carbon Energy Systems and Need for Regional Cooperation in Vietnam .......................... 185  
Pham Khanh Toan, Nguyen Duc Cuong and Tran Thi Thu Huong

8  Low Carbon Energy Systems and Indicator Framework for Cambodia, Lao PDR and Myanmar .......................... 215  
Sivanappan Kumar
Part II Transition Experiments and Innovation in Regional Cooperation

9 Energy Policy and Regional Cooperation: Australia’s Contribution to Low Carbon Green Growth Initiatives ........ 251
Gaminiratne Wijesekere and Arif Syed

10 Aiding the Transition: Innovations with Japan’s Bilateral Offset Mechanisms. ................................................. 281
Akira Ogihara and Venkatachalam Anbumozhi

11 Regional Cooperation and Asia’s Low Carbon Economy Transition: the Case of New Zealand. .......................... 309
Douglas Hill

12 Low Carbon Energy Transition in EU: Lessons from Economic, Institutional and Management Approaches ....................... 327
Matthias Helble

Part III Regional Economic Integration and Implications for Low-Carbon Green Growth

13 The Influence of Regional Cooperation on Export Potential of the APEC 54 List of RCEP Countries ......................... 359
Kaliappa Kalirajan

14 Barriers and Options for Carbon Market Integration .......... 391
Lingshui Mo and Xuedu Lu

15 Domestic and International Finance in a Regional Perspective . . . 435
Tomonori Sudo

Part IV Conclusion

16 The Hard Choices that Asia Must Make ......................... 465
Kaliappa Kalirajan, Venkatachalam Anbumozhi and Fukunari Kimura

Erratum to: Investing in Low-Carbon Energy Systems ............... E1
Venkatachalam Anbumozhi, Kaliappa Kalirajan, Fukunari Kimura and Xianbin Yao

Appendix 1 ................................................................. 471
Appendix 2 ................................................................. 487
Appendix 3 ................................................................. 491
Index ................................................................. 495
Investing in Low-Carbon Energy Systems
Implications for Regional Economic Cooperation
Anbumozhi, V.; Kalirajan, K.; Kimura, F.; Yao, X. (Eds.)
2016, XIII, 496 p. 109 illus., 98 illus. in color., Hardcover
ISBN: 978-981-10-0760-6