

1. Record Nr.	UNINA9910484200303321
Titolo	East Asian low-carbon community : realizing a sustainable decarbonized society from technology and social systems // Weisheng Zhou, Xuepeng Qian, Ken'ichi Nakagami, editors
Pubbl/distr/stampa	Singapore : , : Springer, , [2021] Â©2021
ISBN	981-334-339-7
Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (XIV, 413 p. 195 illus., 130 illus. in color.)
Disciplina	333.7095
Soggetti	Sustainable development - East Asia Climate change mitigation - East Asia Energy policy - East Asia
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Part I. Concept and framework of the East Asian Low-Carbon Community -- Chapter 1. Climate change and low carbon society: coping with uncertainty -- Chapter 2. Climate change strategy and emission reduction roadmap for China, Japan, and South Korea -- Chapter 3. Concept and framework of the East Asian Low-Carbon Community -- Chapter 4. Modeling an East Asian Low-Carbon Community -- Part II Urban-rural Linkage for Low-Carbon Community -- Chapter 5. Realizing a local low-carbon society through urban-rural linkage -- Chapter 6. Development of a tool to optimize urban-rural linkage and a decentralized power supply -- Chapter 7. Local low-carbon society scenarios of urban-rural linkage -- Part III Technology Innovation for Low-Carbon Community -- Chapter 8. Spatial-temporal distribution of carbon capture technology according to patent data -- Chapter 9. Low-carbon technology integration -- Chapter 10. Economic assessment of Japan's nuclear power policy -- Chapter 11. Construction of an East Asia nuclear security system -- Chapter 12. Building a global low-carbon society based on hybrid use of natural clean energy -- Part Social Innovation for Low-Carbon Community -- Chapter 13. Social innovation towards a low-carbon society -- Chapter 14. Achievement of nationally determined contributions (NDCs)

through emissions trading in China, Japan, and South Korea -- Chapter 15. Design and analysis of a carbon emissions trading system for low-carbon development in China -- Chapter 16. An empirical analysis of international carbon transfer -- Chapter 17. Global recycling system for an East Asian low-carbon society -- Chapter 18. Building a recycling-oriented society through collaboration between urban and rural areas: sustainable domestic waste treatment "Pujiang model" -- Chapter 19. Potential for cooperation among China, Japan, and South Korea in renewable energy generation -- Chapter 20. Potential for technical cooperation between Japan and China in a third-country market -- Chapter 22. End chapter: Integration of local and global perspectives.

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Sommario/riassunto

This book presents new vision of regional de-carbonization with concrete scheme design and substantial quantitative demonstration from original interdisciplinary studies. It provides new horizon for not only climate change, environmental conservation but also for international cooperation and peace in East Asia. The chapters introduce diverse low carbon society principles from local to global level with best practices integrating technology evolution and social innovation. While the book is designated for academics and the ultimate goal is to facilitate international climate regime making and environmental cooperation, local government and international organizations (United Nations, World Bank, and others) officers, researchers, international NGO/NPOs, consultants, students (particularly those studying environmental policy studies or international relationships), as well as reporters will find this book useful in broadening their understanding of low-carbon development in East Asia.

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