1. Record Nr. UNINA9910633935603321 Autore Cheshmehzangi Ali **Titolo** China's city cluster development in the race to carbon neutrality / / Ali Cheshmehzangi and Tian Tang Singapore:,: Springer,, [2022] Pubbl/distr/stampa ©2022 **ISBN** 981-19-7673-2 Descrizione fisica 1 online resource (222 pages) Collana Urban sustainability Disciplina 307.1216 City planning - Environmental aspects Soggetti City planning - Environmental aspects - China Environmental policy - China Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Includes bibliographical references and index. Nota di bibliografia Nota di contenuto Intro -- Preface -- Acknowledgements -- About This Book -- Contents -- About the Authors -- 1 China's Carbon Neutrality Plan Implementation and Sustainable Development Process Review -- 1.1 A Brief Introduction to Sustainable Development Agenda -- 1.2 China's Sustainable Development and Carbon Emissions -- 1.2.1 China's Sustainable Development Process -- 1.2.2 New Sustainable Development Milestone in China -- 1.3 China's Commitment to Carbon Neutrality by 2060 -- 1.3.1 China's Provincial Development and Carbon Emissions -- 1.3.2 Establishment of Carbon Neutral Policy System --1.4 China's Carbon-Peaking and Carbon-Neutrality Endeavors -- 1.4.1 Transformation and Upgradation of Energy Systems -- 1.4.2 Decarbonisation of Transport and Other Industries -- 1.4.3 Policy Implications and Transition Framework -- References -- 2 China's City Cluster Development: From Megacities Development Trend to Urban Agglomeration Plan -- 2.1 City Cluster Development: An Urban-Led Development, Regional Development, Economic Growth and Development, or All? -- 2.2 A Brief Summary of China's City Cluster

Development Plan -- 2.3 Super Clusters -- 2.4 Medium and Small Clusters-8 in Each Category -- 2.5 China's City Cluster Development and Carbon Neutrality -- 2.6 Structure and Summary of Case Study Chapters -- References -- 3 Beijing-Tianjin-Hebei City Cluster: From

a Political Center to a Major Industrial and Innovation Chain -- 3.1 A General Introduction to the Beijing-Tianjin-Hebei City Cluster -- 3.2 A Historical Analysis of the Beijing-Tianjin-Hebei City Cluster -- 3.3 An Overview of Industrial Structure in the Beijing-Tianjin-Hebei City Cluster -- 3.4 Sustainable Development Plan: The Beijing-Tianjin-Hebei City Cluster Industrial Chain and Innovation Chain -- 3.5 Summary: Pathways Towards Achieving China's Carbon Neutrality Plan (CNP): Opportunities and Challenges.

References -- 4 Yangtze River Delta City Cluster: From Integrated Production and Services to Digital Technology Innovation -- 4.1 A Brief Introduction to the Yangtze River Delta City Cluster -- 4.1.1 The Cluster's Significance: A World-Class Urban Agglomeration and China's Window to the World -- 4.2 A Historical Analysis of the Yangtze River Delta -- 4.3 Industrial Structure in the Yangtze River Delta -- 4.3.1 Industrial Structure Optimisation -- 4.4 Sustainable Development Plan: Development of Integration of Production and Services -- 4.4.1 Optimising the Deep Application of Digital Technology -- 4.5 Pathways to Carbon Neutrality in the Yangtze River Delta City Cluster --References -- 5 Pearl River Delta City Cluster: From Dual-Core Structure Economic Development Strategies to Regional Economic Plans -- 5.1 A General Introduction to the Pearl River Delta City Cluster --5.1.1 The Significance of the Pearl River Delta City Cluster: More Than Just a "Dual-Core" Structure -- 5.2 A Micro-Historical Analysis of the Pearl River Delta City Cluster -- 5.2.1 An Overview of Industrial Structure in the Pearl River Delta -- 5.3 Future Development Direction of the Pearl River Delta Urban Agglomeration -- 5.4 Sustainable Development of the Pearl River Delta Urban Agglomeration -- 5.4.1 Challenges of Sustainable Economic Development in the Pearl River Delta Region -- 5.4.2 Summary: Sustainable Development Responses to Carbon Neutrality Plan -- 5.4.3 Case Study Example: The Greater Bay Area -- 5.5 Pathways to Implementing and Achieving the National-Level Carbon Neutrality Plan -- References -- 6 Chengdu-Chongqing City Cluster: From an Economic Zone to a Major Economic Circle in the Western China -- 6.1 A General Introduction to Chengdu-Chongqing City Cluster -- 6.1.1 The Cluster's Significance: A Twin City Region and Economic Circle.

6.2 A Micro-Historical Analysis of the Chengdu-Chongging City Cluster -- 6.2.1 An Overview of Demographic Patterns -- 6.2.2 An Overview of Industrial Structure in the Chengdu-Chongqing City Cluster -- 6.3 Sustainable Development Plan: An Economic Zone with the Ecological Civilization Agenda -- 6.4 Summary of the Pathways Towards Achieving China's Carbon Neutrality Plan (CNP) -- References -- 7 Yangtze Mid-River Delta: China's Strategic Fulcrum of Dynamic Growth Pole in the Form of Middle Triangle -- 7.1 General Introduction to the Yangtze Mid-River Delta City Cluster or Middle Triangle -- 7.2 A Micro-Historical Analysis of the Yangtze Mid-River Delta City Cluster -- 7.3 An Overview of Industrial Structure in the Yangtze Mid-River Delta -- 7.4 Overview of the Sustainability Agenda for the Yangtze Mid-River Delta City Cluster: Plans and Perspectives -- 7.4.1 Sustainable Development Plan from the Environmental Perspective --7.4.2 Sustainable Development Plan from the Economic Perspective --7.4.3 Sustainable Development Plan from the Social Perspective -- 7.5 Pathways to Achieve China's Carbon Neutral Plan: Opportunities and Challenges -- References -- 8 Shandong Byland City Cluster: From an Agricultural Hub to Three Economic Circles and Industrial Clusters -- 8.1 A General Introduction to the Shandong Byland City Cluster --8.2 A Micro-historical Analysis of the Shandong Byland City Cluster --8.2.1 An Overview of Population Structure of the Shandong Byland City

Cluster -- 8.3 Industrial Structure of the Shandong Byland City Cluster -- 8.4 Overview of the Sustainability Agenda for the Shandong Byland City Cluster -- 8.4.1 Sustainable Development Plan from the Environmental Perspective -- 8.4.2 Sustainable Development Plan from the Economic Perspective -- 8.4.3 Sustainable Development Plan from the Social Perspective. 8.5 Pathways to Achieve China's Carbon Neutral Plan: Opportunities and Challenges -- References -- 9 Guangdong-Fujian-Zhejiang Coastal Region: A Network Corridor Between Three Coastal Provinces -- 9.1 A Brief Introduction to the Guangdong-Fujian-Zhejiang Coastal Region -- 9.2 A Historical Analysis of the Guangdong-Fujian-Zhejiang Coastal Region -- 9.2.1 The Significance of the Coastal City Cluster: A Strategic Coastal Network -- 9.3 Industrial Structure in the Guangdong-Fujian-Zhejiang Coastal Region -- 9.3.1 Summary of Challenges -- 9.3.2 Summary of Coping Strategies -- 9.4 The Cluster's Sustainability Agenda: Plans and Perspectives -- 9.4.1 Sustainable Development Plan from the Environmental Perspective --9.4.2 Sustainable Development Plan from the Economic Perspective --9.5 Pathways to Carbon Neutrality in the Guangdong-Fujian-Zhejiang Coastal Region -- References -- 10 Guanzhong Plain City Cluster: A Rising Inland City Cluster with a Complete Industrial System -- 10.1 A Brief Introduction to the Guanzhong Plain City Cluster -- 10.1.1 The Population Structure of the Guanzhong Plain City Cluster -- 10.2 A Historical Analysis of the Guanzhong Plain City Cluster -- 10.3 An Overview of the Industrial Structure in the Guanzhong Plain City Cluster -- 10.4 The Guanzhong City Cluster's Sustainability Agenda: Plans and Perspectives -- 10.4.1 Sustainable Development Plan from the Social Perspective -- 10.4.2 Sustainable Development Plan from the Environmental Perspective -- 10.4.3 Sustainable Development Plan from the Economic Perspective -- 10.5 Pathways to Carbon Neutrality in the Guanzhong Plain City Cluster -- References -- 11 Central Plains Megalopolis: A Hub for Green Transformation and Development Beyond Just the Beijing-Guangzhou Channel -- 11.1 A Brief Introduction to the Central Plains Megalopolis. 11.2 A Historical Analysis of the Central Plains Megalopolis -- 11.2.1 An Overview of Population Migration of the Central Plains Megalopolis -- 11.3 An Overview of the Industrial Structure in the Central Plains Megalopolis -- 11.4 The CPM City Cluster's Sustainability Agenda: Plans and Perspectives -- 11.4.1 A Major Shift to Improve the Urban Infrastructure System -- 11.5 Pathways to Carbon Neutrality in the Central Plains Megalopolis -- References -- 12 Beibu Gulf City Cluster: A New Strategic Pivot to Foster New Growth Drivers -- 12.1 A Brief Introduction to the Beibu Gulf City Cluster -- 12.2 An Overview of the Cluster's Significance Beyond a New Strategic Pivot -- 12.2.1 Summary of Problems in the Beibu Gulf City Cluster -- 12.3 Summary of Strategic Opportunities in the Beibu Gulf City Cluster -- 12.4 Sustainable Development Plan: A Multifaceted Approach in the Beibu Gulf City Cluster -- 12.5 Pathways to Carbon Neutrality in the Beibu Gulf City Cluster -- References -- 13 Megalopolis in Central Yunnan: From Local Development to Regional Industrial Clusters, Tourism, and Sustainable Production -- 13.1 A Brief Introduction to the Central Yunnan City Cluster -- 13.2 A Recent Overview of the Central Yunnan City Cluster Development Plan -- 13.3 Summary of the Development and Industrial Structure in the Central Yunnan City Cluster -- 13.3.1 An Overview of the Regional Contradictions -- 13.4 The Cluster's Sustainability Agenda: Opportunities for Sustainable Development --13.4.1 Sustainable Development Plan from the Environmental Perspective -- 13.4.2 Sustainable Development Plan from the Social

Perspective -- 13.4.3 Sustainable Development Plan from the Economic Perspective -- 13.5 Pathways to Carbon Neutrality in the Central Yunnan City Cluster -- References -- 14 Carbon Neutrality and China's City Cluster Development: Future Directions. 14.1 City Cluster Development at a Glance.