

<<中国至2050年区域科技发展路线图>>

图书基本信息

书名：<<中国至2050年区域科技发展路线图>>

13位ISBN编号：9787030275097

10位ISBN编号：7030275098

出版时间：2010-7

出版时间：Dadao Lu、Jie Fan 科学出版社 (2010-07出版)

作者：Dadao Lu , Jie Fan 著

页数：192

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前言

Study of regional development is a cross-disciplinary field centered on economic geography, while also involving adjacent sub-disciplines such as physical geography, natural resources, environment, ecology, development economics, etc. It focuses on the analysis of both economic and social factors underlying the formation of territorial spatial structure in various forms. Regional development of China is characterized by complex conditions and diversified development types. Such complexity is especially reflected in the emerging problems of disorderly territorial spatial structure and serious challenges confronting regional sustainable development in current era of rapid industrialization and urbanization. Regional development problem has become one of the core issues for policy-makers at all levels as well as a major practical and theoretical question that draws the attention of both academic scholars and the public. In the next three to five decades, China's regional development will be confronted with severe challenges brought about by global climate change and economic globalization. The increase of population and urbanization level will also put regional development study under severe pressure to meet imminent demand of reconstructing man-earth areal system. Research on the scientific and technological development roadmap in China's regional development studies during the additional years to 2050 is a strategic and far-sighted deployment, and the research findings of such roadmap are expected to play a vital role in the improvement of regional competitiveness and sustainable development capacity and the promotion of coordinated regional development.

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内容概要

As one of the eighteen field-specific reports comprising the comprehensive scope of the strategic general report of the Chinese Academy of Sciences , this sub-report addresses long-range planning for developing science and technology in the field of regional development research. They each craft a roadmap for their sphere of development to 2050. In their entirety , the general and sub-group reports analyze the evolution and laws governing the development of science and technology , describe the decisive impact of science and technology on the modernization process , predict that the world is on the eve of an impending S&T revolution , and call for China to be fully prepared for this new round of S&T advancement. Based on the detailed study of the demands on S&T innovation in Chinas modernization , the reports draw a framework for eight basic and strategic systems of socio-economic development with the support of science and technology , work out Chinas S&T roadmaps for the relevant eight basic and strategic systems in line with Chinas reality , further detail S&T initiatives of strategic importance to Chinas modernization , and provide S&T decision-makers with comprehensive consultations for the development of S&T innovation consistent with Chinas reality. Supported by illustrations and tables of data , the reports provide researchers , government officials and entrepreneurs with guidance concerning research directions , the planning process , and investment. Founded in 1949 , the Chinese Academy of Sciences is the nations highest academic institution in natural sciences. Its major responsibilities are to conduct research in basic and technological sciences , to undertake nationwide integrated surveys on natural resources and ecological environment , to provide the country with scientific data and consultations for governments decision-making , to undertake governmentassigned projects with regard to key S&T problems in the process of socio-economic development , to initiate personnel training , and to promote Chinas high-tech enterprises through its active engagement in these areas.

书籍目录

1 Regional Development and Regional Development Research 1.1 The Attribute of Regional Development Research 1.2 Basic Perspectives on the Current Situation of Regional Development Research 1.3 The Return and Innovation in Mainstream Regional Development Research 2 Basic Trends and Scientific and Technological Demands of Regional Development 2.1 Basic Trends of Regional Development 2.2 Scientific and Technological Development Tasks in Regional Development 2.3 Scientific and Technological Demands of Regional Development in China (to 2030) 2.4 Scientific and Technological Demands in Regional Development (2030-2050) 3 Major Research Issues and Roadmap Design in Regional Development Research 3.1 Scientific and Technological Development Objectives in Regional Development 3.2 Roadmap Design for Scientific and Technological Demands in Regional Development Research 3.3 Transition of the Scientific and Technological Field in Regional Development Research 4 Integrated Propositions of Regional Development Research 4.1 Theory of Territorial Function Formation and Regional Development Patterns in China 4.2 Forecast of Urbanization and Overall Mechanism of Urban-Rural Integration 4.3 Ecological Compensation Theory and Approaches to Achieve Coordinated Regional Development 5 Strategies and Actions of Chinese Academy of Sciences 5.1 Basic Strategy and Overall Deployment 5.2 Implement Long-term Research Plan and Establish the Simulation and Decision Support System for Regional Sustainable Development in China 5.3 Start Pilot-Research Programs and Establish Platform of "Simulation and Decision Support System for Regional Sustainable Development in China" Appendix 1 Monographic Studies on the Roadmap of Scientific and Technological Development in Regional Development A1.1 New Factors and Mechanisms Affecting Regional Development A1.2 Roadmap of Spatial Organization of Industries A1.3 China's Agricultural and Rural Development Roadmap A1.4 Prospects and Spatial Pattern of China's Urbanization A1.5 Leisure Demand Changes and Regional Development A1.6 Transport and Communication Technologies and Regional Development A1.7 The Status Quo and Research Progress of Ecological Environment and Resource System in China A1.8 Roadmap of Regional Management Systems Appendix 2 Studies on the Roadmap of Scientific and Technological Development in the Development of Typical Regions A2.1 Developed Eastern Coastal Regions A2.2 Revitalization and Sustainable Development of the Old Industrial Bases A2.3 Sustainable Development Roadmap for Mountainous Areas of China A2.4 Scientific and Technological Roadmap for Research on Regional Development in Border Areas of China to 2050

章节摘录

插图：The sound development of ecological environment and resource system is the significant foundation of sustainable socio-economic development and the important content of comprehensive sustainable development. In order to ensure the smooth achievement of the socio-economic development targets by the mid-21st century, we need to deeply implement the ecological civilization strategy, strictly carry out the outline of the 11th Five-Year plan of ecological environment, "Major Function Oriented Zoning" policies and new energy industry development strategies, develop social economy within the carrying capacity of eco-environmental and resource system, enhance our understanding on the internal laws of the evolution of eco-environmental and resource system, coordinate the relationship between socio-economic system and eco-environmental and resource system, put forward the improvement and restoration of eco-environmental system and the enhancement of the carrying capacity of resource system, and strengthen the sustainable development capacity in China through scientific and technological innovation and timely adjustment of development modes. By 2020, the deterioration trend of ecological environment will have been slowed down and effectively contained in accordance with the development goals of realizing an overall well-off society, and the carrying capability pressure of resource system will have been relieved. Ecological and environmental protection policies will be effectively implemented, the eco-environmental effects of socio-economic development will be significantly improved, and the ecological environment of some regions will turn for the better. The coal resources will be more than self-sufficient, the external dependence degree of oil and gas resources will be controlled within 30% and their import demand, will be well guaranteed, and the proportion of new energy utilization will increase greatly.

编辑推荐

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