

图书基本信息

书名：<<中国至2050年区域科技发展路线图>>

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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 area 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.

## 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.

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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 planning 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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