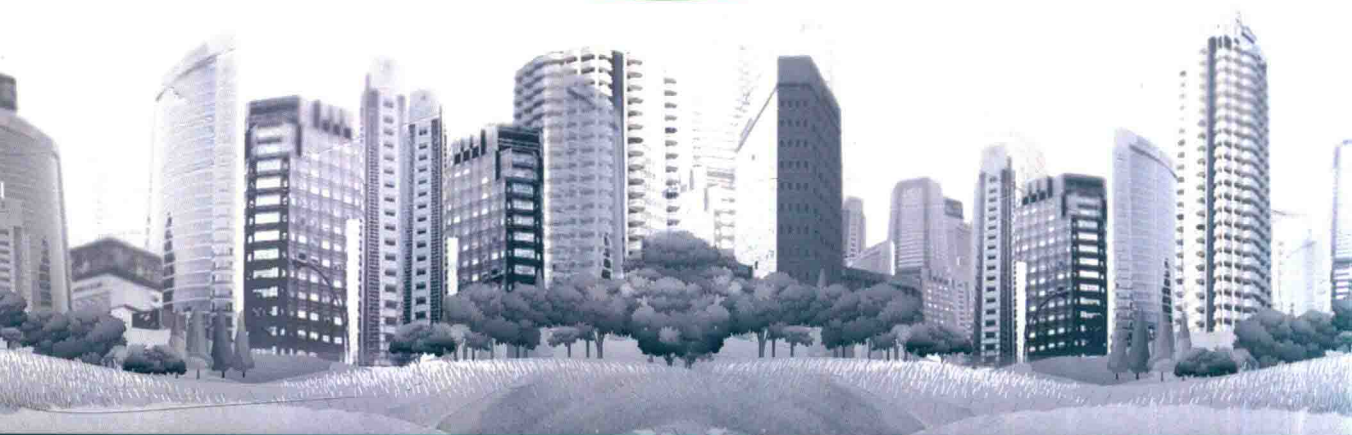


资源、环境与生态系统评估丛书

# 转型中国： 生态化视角与战略

TRANSFORMING CHINA:  
THROUGH ECOLOGICAL VISION AND STRATEGY

王祥荣 编著



科学出版社

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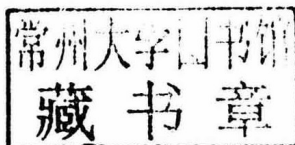
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# 转型中国：生态化视角与战略

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王祥荣 编著

By Xiangrong Wang



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北京

## 内 容 简 介

经济社会的生态化转型发展是当今国际社会的共识与重要举措。我国于20世纪80年代初提出环境保护的基本国策,90年代聚焦生态建设,21世纪初开始关注转型发展,当前正日益完善生态文明制度建设与绿色发展政策体系,为转型发展提供了强有力的保障,成为国家重大战略,这是基于国际社会大环境、我国严峻的资源环境国情需求,以及中国在全球环境与国际事务合作中勇于担当的正确抉择。

本书围绕国家战略需求,广泛搜集、分析了包括伦敦、纽约、东京等国际著名城市转型发展的经验与国内代表性城市的研究进展,对中国资源环境总体状况、特征与问题进行了评析,对生态文明制度建设、生态补偿、生态文明先行示范区、国家良好湖泊、新型城镇化、特色小镇村规划、三线一单、国家公园体制试点、长江经济带生态环境保护战略、中国资源环境保护等政策体系及其应用进行了专题评估;对京津冀、长江三角洲(简称长三角)、珠江三角洲(简称珠三角)三大城市群生态安全状况,以及长三角城市群生态安全度进行了测评,对全国31个省、直辖市、自治区的资源环境与生态建设状况进行了剖析,对上海、天津、深圳、南京、杭州、重庆、武汉、成都、西安等代表性特大型城市进行了转型实证研究。

本书观点新颖、方法先进、数据翔实、分析有据、逻辑性强、政策体系完善,可为发改委、科委、建委、教育、环境保护、农林水利、规划国土、资源管理、自然保护、国家公园等政府部门以及高等院校、科研院所、智库咨询等科研与管理工作人员提供参考,也可作为教学参考书。

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# 中文提要

经济社会的生态化转型发展是当今国际社会的共识与重要举措。近年来我国城市化快速发展,获得了令人瞩目的成就,以有限的资源和脆弱的生态环境支撑了全球五分之一的人口、贡献了全球第二大经济发展总量。我国自20世纪80年代初提出环境保护的基本国策、90年代聚焦生态建设、21世纪初开始关注转型发展。当前正日益完善生态文明制度建设与绿色发展政策体系,为转型发展提供了强有力的保障,成为国家重大战略,这是基于国际社会大环境、我国严峻的资源环境国情需求以及中国在全球环境与国际事务合作中勇于担当的正确抉择。

本书介绍了作者多年来承担国家级、省部级生态与环境研究项目以及国家智库和WWF(世界自然基金会)项目研究的最新成果与学术观点。全书共分五大部分15章:①他山之石:生态化转型的国际视角;②内禀动力:转型中国的资源环境视角;③转型政策与战略评估;④转型发展专题评估:指标体系建构、技术方法与政策应用;⑤我国特大型城市生态化转型发展实证研究。全书围绕国家战略需求,广泛搜集分析了包括伦敦、纽约、东京等国际著名城市转型发展的经验与国内代表性城市的研究进展,对中国资源环境总体状况、特征与问题进行了评析,对生态文明制度、生态补偿、生态文明先行示范区、国家良好湖泊、新型城镇化、特色小镇村规划、三线一单、国家公园体制试点、长江经济带生态环境保护战略、中国资源环境保护政策十大政策体系及其应用进行了专题评估;对京津冀、长三角、珠三角三大城市群生态安全状况、长三角城市群生态安全度进行了测评,对全国

31个省、市、自治区资源环境与生态建设状况进行了剖析,对上海、南京、重庆、天津、深圳、杭州、武汉、成都、西安等代表性特大型城市进行了转型实证研究。

本书观点新颖、方法先进、数据翔实、分析有据、逻辑性强、政策体系完善,可为发改委、科委、建委、教育、环境保护、农林水利、规划国土、资源管理、自然保护、国家公园等政府部门、高等学校、科研院所、智库咨询等的科研与管理工作提供参考,也可作为教学参考书。

# ABSTRACT

The ecological transformational development of economy and society are the consensus and important measurement of the international community today. In recent years, the rapid development of urbanization in China has made remarkable achievements in the world and also supporting one fifth of the people in the world which has limited resources and a fragile ecological environment. Since the beginning of 1980s, China has put forward a foundational national policy of environmental protection, focusing on ecological construction in 1990s and the transformational development at the beginning of the 21th century. At the present time, the policy system for ecological civilization institution construction and green development is being constantly improved and upgraded, providing a strong guarantee for transformational development, and it has become a major national strategy. This is right pathway that China has chosen, based on the joint requirements of the macro-environmental needs of international society and China's weak domestic resources and environmental status, as well as in the context of China's role of cooperation in global environmental and international affairs.

The author's latest achievements and academic viewpoints are introduced in this book from the participation in research projects at national and provincial level for ecological and environmental protection, a national think tank, and WWF (World Wildlife Foundation) for many years. The book is divided into five parts including 15 chapters: ① Experiences Internationally: An International Perspective of Ecological Transformation; ② Intrinsic Motivation: the Perspective of Resources and Environment in Transforming China; ③ Policy and Strategy Assessment of Transformation; ④ Thematic Assessment of Transformational Development: Indicator System Construction, Technical Methodology and Policy

Application; ⑤ Case Study on the Metropolitan Ecological Transformational Development in China. Focusing on the national strategic requirements, this book collects and analyzes experiences of the transformational development of key international cities, including London, New York, Tokyo, as well as the research progress of representative cities in China. The general status, characteristics and issues of China's resources and environment are also evaluated. The policies of ecological civilization institution, red-line institution of ecological protection, ecological compensation, pilot demonstration area of ecological civilization, national good lakes, new urbanization, characteristic town and village planning, "three lines and one list for environmental protection", are deeply analyzed, and the pilot project of the national park system, the ecological environment protection strategy of the Yangtze River Economic Zone, the comprehensive policy of China's resources and environmental protection, and its application, are reviewed. Measures are taken for the ecological security status of the three major urban agglomerations in Beijing, Tianjin and Hebei, the Yangtze River Delta and the Pearl River Delta. And the ecological security degree of the urban agglomeration in Yangtze River Delta and an analysis of the resources, environment and ecological construction of 31 provinces, metropolises and autonomous regions in China are provided as well. Case studies on the transformation of representative metropolises such as Shanghai, Nanjing, Chongqing, Tianjin, Shenzhen, Hangzhou, Wuhan, Chengdu, and Xi'an are presented.

This book has new and original viewpoints and advanced methodologies, and provides very rich data, sound analysis, strong logic, and perfect policies. It can be a reference text for many agencies such as the Development and Reform Commission, the Science and Technology Commission, the Construction Commission, and Agencies of Education, Environmental Protection, Agriculture and Forestry and Water Conservancy, Urban Planning and Land, Resource Management, and Natural Conservation, National Parks and other government departments, universities and research institutes and academies of both natural and social sciences, think-tank consultancies and other scientific research and management workers, and can be also used as the teaching reference book.

## 前言 / Preface

近年来,中国的崛起和发展举世瞩目,看好中国和唱衰中国之声不绝于耳。以有限的国土资源和脆弱的生态环境支撑的中国,承载了全球近1/5的人口<sup>①</sup>、贡献了全球第二大经济发展总量,中国经济发展的引擎之一是加速的城市化。当下,中国城市化进程仍在快速推进,城市人口迅速膨胀,城市化的规模和强度不断加剧,城市已由个体的作用演变为集群和巨型城市带与网的作用。今后的中国,路向何方?当传统的耗能耗水、资源依托型的增长方式不再持续时,生态化转型是否会曙光乍现,继而阳光灿烂?

转型发展,尤其是经济社会的生态化转型发展已成为当今国际社会的共识与重要举措,发达国家甚至早行了50~60年。我国自20世纪80年代提出环境保护的基本国策、90年代聚焦生态建设、21世纪初开始关注转型发展,从党的十七大、十八大到十九大,生态文明制度建设与绿色发展政策体系日益深化完善,并确定为新时代国家的长期战略,为转型发展提供了强有力的政策与技术保障,这是基于国际社会的大环境需求以及我国严峻的资源环境国情和中国在全球环境事务与国际合作中勇于担当的正确抉择。但是人均资源与环境质量都很不足的中国,仍面临发展中的巨大挑战;突破瓶颈、转型生态中国,我们任重道远。自“十二五”以来,在“十三五”国家研发计划重点项目“长三角城市群生态安全保障关键技术研究及集成示范”(2016YFC0502700)等项目的支持下,笔者及其科研团队围绕国家战略需求,广泛搜集分

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<sup>①</sup> 据联合国估计,2018年全球人口约76亿,其中中国约占18.62%。<http://www.zswxy.cn/articles/17365.html>。

析了国际著名城市转型发展的经验与国内代表性城市的研究进展,基于生态化转型的国际视角、资源环境的国情视角、转型政策体系与战略视角、中国资源环境总体状况与特征等开展了评析研究,对31个省、直辖市、自治区环境与生态建设状况进行了分析,对上海、天津、深圳、南京、成都、重庆等特大型城市,京津冀、长三角、珠三角三大城市群的生态安全状况,以及长三角城市群生态安全度等进行了剖析;并围绕生态文明制度建设、生态补偿、新型城镇化、国家良好湖泊、三线一单、国家公园体制试点方案等政策及其应用进行了评估。本书的成果还包括近年作者团队在承担国家智库相关咨询项目、复旦大学一带一路及全球治理研究院项目部分地方政府研究项目,以及WWF(世界自然基金会)气候变化与韧性城市项目的研究工作。在写作过程中,作者得到了环境保护部(2018年3月改为生态环境部)、科学技术部、教育部、杭州、南京、深圳等城市政府部门和全国31个省、自治区、直辖市政府相关部门在统计资料和环境数据等方面的大力支持。作者指导的博士生李昆、彭国涛与硕士生徐艺扬、朱敬烽、丁宁等协助整理、分析了部分资料,博士生孙伟、方清、刘亚风、李镛汐与硕士生凌焕然、钱敏蕾、李响、鲁逸等参加了部分调研与资料收集分析工作,作者的同事谢玉静博士、樊正球博士等参与了专题讨论与部分调研,Maire K. Harder教授审校了英文摘要与目录,在此一并表示衷心的感谢。

由于撰写时间紧、研究涉及面广,以及作者政策水平有限,书中疏漏和不足之处在所难免,欢迎各位读者批评指正。

王祥荣

2019年5月于上海江湾复旦新校园

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