

<<中国可持续发展总论>>

图书基本信息

书名：<<中国可持续发展总论>>

13位ISBN编号：9787030358370

10位ISBN编号：7030358376

出版时间：2012-11

出版时间：科学出版社

作者：Niu Wenyuan 著

页数：291

字数：619750

版权说明：本站所提供下载的PDF图书仅提供预览和简介，请支持正版图书。

更多资源请访问：<http://www.tushu007.com>

<<中国可持续发展总论>>

内容概要

The Overview of China's Sustainable Development contains the basic contents in China's sustainable development strategy. By following the track record of human civilizations and focusing on the blueprint of China's development in the 21st century, the book, in a systematic way, explains the strategic background, establishment, targets, keypoints and actions of China's sustainable development. It reveals the 2 major lines, 3-dimensional identification, 5 sub-systems, theories and practices of building a sustainable society in China. The book, by absorbing the latest Chinese and overseas research results on sustainable development, has established the distinctive theoretical system, methodology system and evidence system of sustainable development.

作者简介

Niu Wenyuan (Nov. 7, 1939), professor of Chinese Academy of Sciences (CAS). In 2001, he was selected to be the member of The World Academy of Sciences (TWAS). In 2003, he has been appointed to be The Counselor of The State Council of The People's Republic of China by the Chinese Premier Mr. Wen Jia Bao. In 2004, the Senior Advisor, Institute of Policy & Management, CAS.

Prof. Niu has been the founder of China's sustainability sciences. In 1984, he was as Chinese specialist to involve in the drafting of The Brundtland Report Our Common Future. In 1994, he published the first theoretical work An Introduction to Sustainable Development in China. Up to now, the book has still been a major contribution to Chinese sustainability, and as the textbook or/and major reference of sustainability field in universities. Prof. Niu has been the director and chief scientist of national sustainable development strategy program of China since 1992. He has led to study and edit annual report "China's Sustainable Development Report" which is the first national sustainability strategic report in China from 1999 to now. He is the executive editor-in-chief of The Overview of China's Sustainable Development (It has been called "National encyclopedia of China's sustainability science" included 20-volume). The great work won the authoritative "2010 Chinese Government Publication Prize". In Sept. 19, 2007, both of Prof. Niu and Former President of Italy Mr. Ciampi together became the winners of "2007 International Environment Prize" (2007, Assisi, Italy). The award's single sentence to describe NIU's achievement is: "Prof. Niu Wenyuan has been founder of Chinese environmental monitoring and warning system and responsible for China's national sustainable development strategy programme since 1988, he created theoretical systems of Chinese sustainable development, designated sustainable development strategic frameworks and discovered basic regulations of development behaviour."

Prof. Niu created a conceptual framework to estimate sustainability using Systems Science. The theoretical systems can be applied to estimate development ability, development cost, and development quality under the sustainable development principles. Niu established a sophisticated index to quantitatively assess sustainability. The index includes 5 categories, 19 models, 42 indicators, and 235 elements. Using the index to rank 31 provinces of China each year and monitors sustainability variation of the regions. And he is as the first person to put forward "GDP Quality Index" (in 2010) to quantitatively evaluate the green degree, ecological deficit, and true wealth of a country or a region. Up to now, he published more than 20 books and 180 papers about resources, environment, and sustainable development in China and abroad.

书籍目录

Foreword Preface Chapter Establishment of China's Sustainable Development Strategy Section
Survival, Development, and Sustainable Development .Definition of Survival .From Survival to Development
.Sustainable Development Section Sequence of Human Evolution Section Constantly Deepened
Perceptions of Nature Section International Response to Sustainable Development Section Formation of
China's Sustainable Development Strategy .The Serious Challenges Confronting China Call for Sustainable
Development .Sustainable Development Reveals the Essence of Complicated “ Development, Coordination and
Sustainable ” System .Sustainable Development Reflects the Integrity of “ Motive Force, Quality and Equity
” Section Economic Globalization in the Principle of Sustainable Development .“ Peace Dividend ” and
“ Development Dividend ” .Basic Principles of Economic Globalization .Trend of Economic Globalization
.Development Stages and Classification of Economic Globalization .Establishing Economic Globalization in
the Principle of Sustainable Development Chapter Natural Foundation of China's Sustainable
Development Section Natural Foundation of National Development Section Rationality of Territorial
Structure in China Section Local Advantage Index in China Section Fragility of Chinese Eco-environment
.Theory of Ecotone .Fragility of Chinese Eco-environment Chapter Humanistic Foundation of Sustainable
Development in China Section Organizational Effect of Humanistic Process Section The Cost of Regional
Development in China Section Regional development degree in China Section Intensity of Human Activities
in China Chapter Pressure Index of Sustainable Development in China Section Population Pressure Index in
China Section Energy Pressure Index in China Section Water Resources Pressure Index in China Section
Land Resources Pressure in China Section Mineral Resources Pressure in China Section Ecology Pressure
Index in China Section Environment Pressure Index in China Section Five Bottlenecks to Be Broken in
China's Sustainable Development Chapter Theoretical System of Sustainable Development Strategy Section
Two Cores in Sustainable Development Theory Section Four Directions in Sustainable Development
Theory Section Three-dimension Explanation of Sustainable Development Section Mathematical Model of
Sustainable Development Section Critical Threshold of Sustainable Development Section Equation of
Sustainability Building .Sustainability .Equation of Sustainability Building .Four Levels in CSD .Sustainable
Development Capacity Building in China Section Time-space Notion of Sustainable Development Theory
.Foundation of Time-space Coupling .Territorial Imbalance of Sustainable Development .Territorial
Gradient of Sustainable Development .Territorial selection of sustainable development .Territorial
Competition Equation of Sustainable Development .Time-space Coupling of Sustainable Development Section
Axiom Breaking of Classic Sustainable Development Section Three Innovations of Sustainable Development
.Theoretical Innovation of Sustainable Development .Innovation in Forms of Sustainable Development
.Institutional Innovation of Sustainable Development Strategy Chapter System Building in China's Sustainable
Development Section System Building in Sustainable Development .Five Factors in Sustainable Development
System .Fundamental Building of Sustainable Development System .Development Facet, the Border of
Sustainable Development System .Dynamic Factor of Sustainable Development System Section System Design
of Sustainable Development Section Systematic Analysis of Sustainable Development .Survival Supporting
System in China .Development supporting system in China .Environmental supporting system in China
.Social supporting system in China .Intelligence supporting system in China Chapter Indicator System of
China's Sustainable Development Section Design of Indicator System in China's Sustainable Development
.Principle of Designing Indicator System of Sustainable Development .Indicator System of China's Sustainable
Development Section Statistical foundation of sustainable development indicator system .Relative balance
between population birth rate and death rate .The Per Capita Wealth Should Not Decrease Because of
Generation Movement .The Sci-tech Progress Contribution Rate Overcomes the Decrease in Marginal
Investment Returns .Dynamic Balance of Survival Foundation Capacity .Dynamic Balance between Forest
Felling Rate and Forest Developing Rate .Fishing Rate Will Not Exceed the Natural Growth Rate of Herbs

<<中国可持续发展总论>>

.Herding Quantity of Grasslands Do Not Exceed the Bearing Capacity .The Exhaustible Resources Exploiting Quantity Remains Balanced With Discovery Quantity .Taking of Underground Water and Supply Remain in Dynamic Balance .Greenhouse Gas Discharge Remains Balanced with Its Solification Rate .Balance between Environment and Development .Balance between Efficiency and EquitySection Statistical Analysis of China's Sustainable DevelopmentSection Balance Sheet Analysis of Sustainable Development Capacity .Principle of Making Balance Sheet of Sustainable Development Capacity .Assets-liabilities Matrix Building of Sustainable Development Capacity .Methods of Calculating Assets and Liabilities of Sustainable DevelopmentReferences

章节摘录

1. Degree of agricultural stability One of the premises of agricultural sustainable development is to maintain the relative balance between product supply and demand. The great rise and fall of agriculture actually deviate from the sustainable development. In the Chinese history , the disturbances of agricultural production and economic imbalance they incurred caused great losses against the national economy of China.As a result , the stability of agricultural production is of great significance for sustainable development of agriculture. We have selected the following few indicators to measure : 1) Index of grain fluctuation is the ratio of variance of grain growth rate over the past 5 years to its mean value. It is an important indicator measuring the stability of grain production. China has long been a nation with great pressure on survival. The country has a huge population , which is still expanding. When China cannot have the survival of its people relying on the fluctuating international market , the Chinese people have to depend on themselves to solve the problem of food. As a result , the stable growth of grains is of great importance for China. 2) The index of fluctuation of agricultural output. Though the fluctuation of output is impacted by the output fluctuation of agricultural produces , the output , more from a perspective of value , reflects the general situation of agriculture. There are some differences between these two elements. We use the ratio of agricultural output growth fluctuation to its mean value to get the index. 3) The index of income fluctuation. The stable growth of per capita income is the direct dynamism stimulating the farmers to engage in agricultural production , push forward grain production and even the sustainable development of the entire agriculture. The income fluctuation focuses on reflecting the change of income distribution. We also use the ratio of per capita income growth rate to its mean value to get the index.

2. Degree of Agricultural Sustainability The degree of agricultural sustainability is first studied from the perspective of agricultural environment and agricultural development. To be specific , the development and use of agricultural resources should not exceed the capacity of agricultural resources and environment. The short-term irrational development might bring some immediate benefits. However , such immediate benefits are far from compensating for the losses caused by destruction of agricultural resources and deterioration of agro-ecological environment , thus weakening the lasting supporting capacity of development.

<<中国可持续发展总论>>

版权说明

本站所提供下载的PDF图书仅提供预览和简介，请支持正版图书。

更多资源请访问:<http://www.tushu007.com>