

The sustainable economical development
based on the ecology-economy value

基于生态经济价值的 可持续经济发展

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◎ 魏彦杰 / 著



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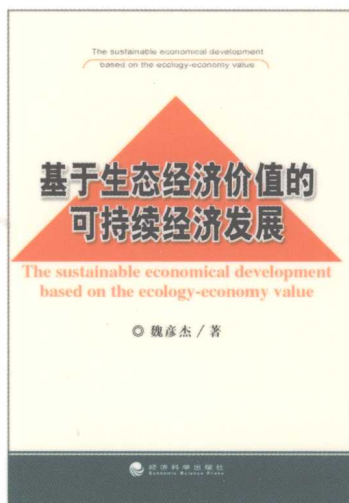
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内 容 摘 要

可持续经济发展是现代生态经济系统基本矛盾激化的必然产物，更是人类经济社会发展的历史趋势。但关于它的理论和分析方法也比其他经济课题更易引发歧见，这不仅因为可持续发展经济学为多个学科的交叉，还在于其分析的视角涵盖了“人—自然—社会”的三维复合系统，更重要的是，缺乏一个坚实的理论出发点来确立和扩展可持续经济发展的分析框架。所以，本书试图从生态经济价值这个基点出发，观察“劳动发展”与“价值生产方式进化”的互动联系，并由此建立“生态环境成本”与“生态经济价值”的对应关系，借助生态环境成本的内生化来了解生态价值与经济价值在生产、交换和消费诸环节中发生、发展、变化的态势，以求找寻到自然生态和经济社会协调发展的内在规律与实现形式。

本书的研究是不同学科领域的交叉性应用，既有政治经济学的概念研究，又使用了环境科学的某些观念，更有大量的内容属于生态经济学的范畴。在研究方法上，不仅采用了理论性的归纳、演绎与比较，而且大量使用了现代宏微观经济学的知识，同时佐之以计量分析、数据验证和案例分析的方法，以求清晰揭示出生态环境成本、生态经济价值、劳动有效性等新概念的准确含义、深刻联系与经济蕴涵。

在本书的研究中遵循着“劳动—价值创造”、“经济价值—生态价值”、“生态环境成本—生态经济价值”的丰富对应关系，以生态环境成本的劳动耗费及其内生化为主线，剖析了“劳动—成本—价值”在可持续发展中的经济学意义、计量方法与政策启示，表达出社会主义科学发展的生态经济意义。

(1) 本书阐述了可持续经济发展的实质与历史意义,以及生态经济价值在可持续经济发展中的核心作用。同时也回顾了有关可持续发展经济的观念与不同分析、可持续经济发展的内在机理和运行机制等已有研究成果。这些分析的作用是论证本书研究的必要性并确定研究基础和研究范围,为下一步理论与方法的拓展铺垫知识基础,并且为全书提供出一个研究框架。

(2) 本书从劳动价值理论的本义探究及异化劳动的历史教训出发,推论出可持续发展经济学应秉承的价值观念:可持续发展经济学看待价值的方式必须遵循“劳动发展 \longleftrightarrow 价值本质 \longleftrightarrow 价值外化”的优化规律,求得价值生产方式对价值客观属性的最优表达。当“一般人类劳动的凝结与交换”只依据经济效益而忽略生态效应时,价值自然属性所蕴涵的丰富意义丢失了,仅以经济价值来评价劳动的效率与能力,必然导致人类长远利益的损失。而生态经济价值是包含在劳动成果中的生态价值与经济价值的综合,它反映了经济价值与生态价值、生态环境成本与生态经济价值、投入与产出的丰富对应关系,由此出发,生态经济价值论更有力地维护了劳动价值所体现的自然生态与经济社会属性,发展了马克思主义的劳动价值理论,凸显出社会主义历史的生态经济意义。

(3) 借助新的生态环境成本内生化的方法,本书构建了生态经济价值的基础模型,并拓展到从生产、交换到消费的一系列应用模型,用以说明可持续经济发展中生态经济价值生产、实现的基本原理。通过区分“新型劳动”、“其他类型劳动”与“防护性环境成本”、“虚拟环境成本”的对应关系,建立了生态经济价值的基础模型。并进而将基础模型应用到生产和交换领域,扩展为生态环境成本内生化的经济增长模型、消费模型、市场秩序模型与国际贸易模型,并选取了中美两国间的不同行业样本,对生态环境成本内生化的经济增长模型进行了计量分析。为了对均衡价格决策所计量出的劳动有效性进行数据验证,本书又挑选了 M&W 分类指数与 ERS 指数,并设计了一个“劳动有效性无量纲值”指标,依据三个指

标对计量中所使用的中美国的样本行业进行了数据测算，用以佐证均衡定价结果所计量出的劳动有效性的可信度。

(4) 沿着模型分析所指明的方向，本书对内生环境成本的经济增长、市场秩序、消费及贸易原理进行了总结，归纳为生态安全型经济的生产规律和交换规律，并使用例证的方式对两个内在规律进行了细致的分析：一是从“生态补偿性”到“生态结合性”生产；二是生态经济利益的市场交换机制。说明防护性环境成本与经济价值竞争力的互动关系是“生态补偿性”生产的核心，“生态结合性”生产的关键则在于绿色营销与循环经济，从“生态补偿性”到“生态结合性”生产的过渡是劳动进化的历史趋势；而生态经济价值的交换就是生态经济利益在市场中的分割，一个维护着价值客观性的市场机制要求生产者与消费者、不同生产者之间公正地评价劳动的生态经济效用，有效的市场机制是连接生态经济价值生产与实现的“桥梁”，是商品中包含的生态经济效用向交换价值“关键性的一跃”。

(5) 本书对促进生态经济价值创造的实现形式也进行了研究，分别从宏观、中观和微观三个视角展开讨论，其目的是建立一个以生态经济价值创造为核心的经济运行体系。在本书中，笔者就落实生态经济价值创造在宏观、中观和微观体系中的实现形式提出了自己的看法，通过建立以生态经济价值为中心的绿色国民核算方法，可以重新估价社会生产的生态经济意义以便优化经济发展的取向；落实有利于生态经济价值创造的地区发展格局，更有效的产业升级与转移会成为提高生态经济价值竞争力的重要支撑；创立生态经济价值竞争力的培育机制，才能真正调动生产者协调生态效益与经济效益的积极性与有效性。当政策干预依循着企业“成本—收益”的行为模式，不断优化生态经济利益的奖惩机制；企业生产中的“柔性”和“稳定性”问题得到高度关注，面向客户的高价值生产取代追求产量的低价值生产；市场中的正生态效应生产获得激励，经济增长就能成功转向高价值的集约生产、高效率的物质转换、经

济价值与生态价值并重的新模式。

当然，本书关于生态经济价值的研究也还存在一定的不足之处：首先，生态经济价值的概念、测度与计量的方法还不成熟，囿于目前学术界对劳动有效性、生态环境成本内生化的研究水平，从劳动有效和环境成本内生引导出的生态经济价值测度不仅数据分类非常困难，而且计量结果也缺乏统计指标体系的参照物；其次，中美两国之间的产业分类存在一定差异，两国计算污染排放、生态环境成本的方式也各不相同，尚无法确定一个统一的标准切换双方的数据，这就造成生态经济价值的测度结果可能不够精确；最后，本书对促进生态经济价值创造的实现形式研究得还不够系统，对宏观、中观、微观的一些领域，如产业政策的分解、企业的公民行为等内容都未详细论述，这也是有待于进一步研究的一些细致且有意义的问题。

Abstract

The sustainable economical development is the certain product typical of the basic contradiction of modern ecology-economy system, and it, directed towards building a subtle balance between economy and environment, is the historical tendency as well. For the study of the sustainable economical development not only occupies many disciplines overlapping, but it is also built upon “human-nature-society” system, more and more divarications have been stirred up by its theory and analysis. What is more important, these study lack a solid theoretical basement to outline and expand its analysis frame. Therefore, this article makes attempt at initiating “ecology-economy value”, and by virtue of it, we observe the interaction relation between “labor development” and “production method evolution” as well as establish the transformation between “ecology-environment cost” and “ecology-economy value”. With the aid of endogenous “ecology-environment cost”, how the “ecology-economy value” develops and changes during the production, exchange and consumption becomes clear, and we find out the inherent laws that the coordinated development between the natural ecology and the economic society must comply and the realization form how to reach this coordinated development.

The research of this article is the overlapping application covering different discipline domain. First, we redefine some concepts attributable to the political economy. Second, this article uses the certain ideas of the environmental science. Third, the massive contents belonging to

the ecology category are employed. In research technique, we not only use the theoretical induction, deduction and comparison, but we also make use of the massive modern macroscopical and microeconomic economics knowledge. Simultaneously, we assist the research with the measures analysis, the data confirmation and the case analysis in order to clearly promulgate the accurate meaning, the profound relation and the economical implication existing among "ecology-environment cost", "ecology-economy value" and "labor validity". The studying content of this article are possible to be divided into five parts logically.

First part

The introductory remarks is the first part of this article, and it mainly elaborates the essence and the historical significance of the sustainable economical development as well as reveal why "ecology-economy value" plays a key role in here. Simultaneously, this article also reviewed the ideas and the different analysis related with sustainable development economy. Especially, those conclusions about the intrinsic mechanism and the operational mechanism of the sustainable economical development are summed up. The function of this part is proving the research necessary and building the research foundation and scope which this article touches upon, especially, paving the way for the next work and providing a research frame for the full text.

Second part

The second part, constituted by chapter 2, is the fundamental research, and it mainly proves definition, concept, basic principle and theory significance of the "ecology-economy value".

Starting from the original meaning of the labor value theory and the historical lesson of the disassimilating labor, this article deduces the val-

ue idea which the sustainable development economics should receives. The sustainable development economics must regard value with the optimized orderliness of “labor development, value essence and outside value”, so that production method can express perfectly the objective attribute of the value. The natural attribute of value delivers the rich significance, and the life of the “ecology-economy value” theory just rest in whether it maintains this attribute. When “the congealment and the exchange of the common humanity labor ” only rests on the economic efficiency but neglects the ecology effect, the human long-term benefits inevitably lose. For “ecology-economy value” unites the ecological value and the economic value as one, it reflects the circulation between the economic value and the ecological value as well as the “ecology-environment cost” and “ecology-economy value” . Depending upon this analysis, the “ecology-economy value” theory has powerfully maintained the attribute of natural ecology and economic society which the labor value manifests and developed the Marxism labor theory of value, especially, reflected the ecology-economy significance of socialism history.

Third part

In the third part constituted by chapter 3, our discussion covers the model skeleton of the “ecology-economy value” theory, and we use the principle shown in defining the “ecology-economy value” in second part and develop a new method to realize the endogenous “ecology-environment cost” . Taking this as the foundation, this article construct the foundation model of the “ecology-economy value” and spread it through the course of production、exchange and consumption in order to obtain a series of application model. All these work explain the basic principle of the value production and realization pertaining to the sustainable economical development.

Embarking from the corresponding relation between the “ecology-environment cost” and “ecology-economy value”, this article develops a new method about the endogenous “ecology-environment cost”. By virtue of discriminating the “new type labor” from the “other type labor” and the “protective environment cost” from the “hypothesized environment cost”, this article construct the foundation model and spread it on the production and exchange domain. Furthermore, this article selects the different profession sample between China and America to measure the economic growth model included the endogenous “ecology-environment cost”. In order to confirm the “work validity” gained in equilibrium price, this article choose the M&W index, the ERS index and the work validity zero dimension value reckoning the data from Chinese and American sample profession. In this foundation, this article has drawn a series of analysis conclusion of the “ecology-economy value” model system.

Fourth part

In the fourth part constituted by chapter 4, we summarize the rules pertaining to the value production method of the ecology-economy system. Going along with the direction shown in the model analysis of chapter 3, this article make a summary of the grow theory, market orders, consumption rules and trade principle existing in the economy including the endogenous “ecology-environment cost” and induce them as the production rule and the exchange rule of the ecological security economy. Furthermore, this article uses the illustration way to carry on the careful analysis for two inherent laws.

Based on the analysis conclusion of the “ecology-economy value” model system, this article has proven the inherent laws of the “ecology-economy value” production: (1) from “ecology compensation” produc-

tion to “ecology association” production. (2) the market exchange mechanism of the ecology-economy benefit. On the one hand, we find out that the core of the “ecology compensation” production lies in the interaction relation between the competitive power of economic value and the protective environment cost. Accordingly, the key of the “ecology association” production is the green marketing and the circulation economy. Moreover, the transition from “ecology compensation” production to “ecology association” production stand for the historical tendency of the labor evolution. On the other hand, the exchange of the “ecology-economy value” is truly the division of the ecology-economy benefit in market, and the market maintaining the value objectivity calls for appraising fairly the ecology-economy utility created by work between the producer and the consumer. If I may say so, the effective market mechanism is the “bridge” connecting the production and the realization of the “ecology-economy value”. By virtue of it, the crucial leap from the ecology-economic utility contained in commodity to the exchange value brings to success.

Fifth part

In the fifth part constituted by chapter 5, we study the realization form which can promote the creation of “ecology-economy value”, and this part launch the discussion separately from macroscopic, regional and microscopic angles of view in order to establish the economy system in which the “ecology-economy value” stand for the core.

In this chapter, we propose own view about the creation of the “ecology-economy value” in macroscopic, regional and microscopic system. First, through establishing the green national economic accounting based upon the “ecology-economy value”, we can optimize the orientation of economy development by dint of updating ecology-economy

significance of the social product. Second, through carrying out the local development pattern advantageous to the creation of the "ecology-economy value", the more effective industrial shift and promotion can become the important support for enhancing the competitive power of the "ecology-economy value". Third, through building the cultivation mechanism of the competitive power of the "ecology-economy value", the efficiency and positivity that the producer coordinate the ecology benefit and the economic validity can be excited truly. When the policy intervention relies on producer's "cost - income" behavior pattern and optimizes the rewards and punishment mechanism pertaining to the ecology-economy interest on and on, and the flexibility and stability of the industry production are given the high attention, simultaneously, low value production gives way to high one, especially, the production of the positive ecology effect obtains the drive and the exploitation of economy and ecology obtains the containment, the economy is able to change into the intensive production of the high value, the material transform of the high efficiency and coordinated production of the economic interest and ecological benefit by the holy poker.

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