Implementation of Real-Time Input-Output Tabulation Method and Real-Time Analysis for Sustainable Development â€” Combinations and connections between optimal input-output planning model and automation, information, intellectualization, Big data, new cloud

Topic:
Author: Ning KANG

[Abstract] This article explores the question of how to achieve the overall transformation of society, based on the definition, characteristics, implications, principles, development strategies, core ideas, and the unity of development and sustainability, as defined by the international community. The study primarily focuses on the path to sustainable development and its implications for societal transformation. The scientific approach to addressing these issues lies in the artificial intelligence technology and cross-boundary economic management information system formed based on the optimal input-output planning model and the integration of automation, informatization, intelligence, new technologies such as big data, cloud computing, IoT or the Internet's new industries, and the organic connection between artificial intelligence technologies. The innovation lies in: for countries or regions in different social forms and systems, by enhancing the technological levels of automation, informatization, and intelligence of machinery and equipment in the three major industries of agriculture, industry, and services, it is possible to achieve transformations in areas related to productivity, production relations, economic base, and superstructure; based on the logical relationships of the coordinated development of "economic, social, population, resources, and environment" for sustainable development that humans collectively pursue, the basic requirements and indicators of "development that satisfies the needs of contemporary people and does not harm the ability of future generations to meet their needs" can be used as constraints for formulating material-based optimal input-output planning models. On this basis, when conducting real-time analysis of the optimal input-output planning model and timely analysis of the input-output statistical model, it is possible not only to achieve transformations in many areas related to the core contents of sustainable development and basic requirements, but also to realize the real-time analysis of the core contents.