

The Ecological Implication of Chinese Modernization: Based on the Perspective of Huge Population Size

Yangyang Shen

School of Marxism, Anhui University of Finance and Economics

Abstract: To promote the harmonious coexistence between man and nature is the inevitable requirement to realize the Chinese modernization with a huge population scale. This is a scientific choice made by our Party based on the basic national conditions of large population, large land and abundant resources, the changing trend of population elements and the law of population development. To build the huge modernization of population size rich in ecological implication, we must adhere to the green sustainable development and present a solid foundation of high-quality economic development with the green development of population; adhere to the ecological governance model of multiple subjects, transform the remarkable feature of huge population size into the significant advantage of ecological governance; insist on constantly meeting the needs of the people for better ecological life, and take the construction of high-quality livelihood as the starting point and goal of promoting the modernization of huge population scale in the new era.

Keywords: Chinese modernization; Ecological implication; Huge population size

1. Promoting the harmonious coexistence between man and nature: a scientific choice of Chinese-style modernization

1.1 From the basic national conditions of large population, large land and abundant resources, the protection and sustainable utilization of natural resources is an inevitable requirement of China's modernization drive

According to Marx's theory of natural resource scarcity, on the one hand, the natural resources that maintain human life are limited, especially the limitation of non-renewable resources is more prominent in human production and life practice; on the other hand, the formation of natural resources requires a long ecological cycle. There is a limit to the natural stock of natural resources. To some extent, the survival of human beings and their development are based on the consumption of natural resources. Under the leadership of the logic of capital, the western modernization intensifies the transformation rate of renewable resources to non-renewable resources through the uncontrolled exploitation and utilization of natural resources. China's traditional extensive model, which used to be highly dependent on resource consumption, not only leads to low efficiency of resource utilization and environmental pollution, but also increased the difficulty of sustainable development of large-scale population.

1.2 From the perspective of the trend of population changes, the dynamic changes of various elements of population show the characteristics of huge scale. A profound grasp of these trends plays an important role in promoting the coordinated development of population, economy, society, resources and environment

Structurally, first, the aging population impacts the existing healthcare system. The aging population increases the number of patients, which requires more medical service equipment and professionals. Long-term care, especially home care, is also increasing, so it is under great pressure to maintain the balance of pension payments. This shows the long-term growth trend of public financial expenditure, which may compress the growth space of fiscal investment, and bring certain risks to the sustainable and healthy development of the economy. Second, the demand for public resources related to the elderly population continues to grow, thus increasing the financial pressure on the government to promote the supply of public services through the social security system, thus

causing a huge load on the sustainable operation of the local social security system. Third, the aging of the population leads to the continuous reduction of the working-age population, and there is a serious gap in the scale and supply of labor force. The reduction of productivity leads to economic growth and lack of motivation, which will not only affect the improvement of the income level closely related to carbon emissions, but also restrict the continuous improvement of the economic capacity of ecological environment protection and improvement.

2. Adhere to green and sustainable development: the essential requirement of Chinese modernization

2.1 The continuous improvement of the overall quality of the huge-scale population is a solid foundation for promoting green and sustainable development

The quality of population determines the quality of sustainable development and affects the process of sustainable development. The essence of sustainable development is to realize the sustainable development of human beings and to realize the overall jump of population development mode. As a basic project for the continuous improvement of national quality, the quality of education construction directly affects the cultivation of high-quality talents and the realization of green and sustainable development, so it is necessary to put it in the strategic height of priority development. From the perspective of sustainable development, as the most active factor in the productive forces, the improvement of the overall quality of the population realized through the education link is the improvement of social productivity, which plays an extremely important role in the development of economy and society under certain conditions.

2.2 The rational use of the dividends of the new development of the huge population is the key support for promoting green and sustainable development

First, the government should vigorously introduce institutional support for the rational allocation of talents, through the effective design of the market price incentive mechanism, let the market play the positive incentive role, and mobilize the enthusiasm of talents to promote green development. In terms of talent incentive policies, local governments should not only have financial support, but also promote infrastructure support such as advanced equipment and achievements transformation for realizing green development. Local governments should formulate corresponding green development strategies according to the actual situation of their own industrial structure and the demand for talents, and introduce targeted policies to attract talents. Second, we should give full play to the decisive role of the market in the allocation of human resources, and further release the green innovation and development vitality of the talent scale. The government should recognize its own role positioning, assume the service and guidance functions of talent integration, and build a platform for innovation and entrepreneurship for talents to achieve green development. Local governments, research institutes and backbone enterprises should be encouraged to cooperate in the allocation and development of human resources, so as to realize green technological innovation and give full play to the educational function, and constantly expand the team of innovative talents to achieve green development in China.

2.3 The effective release of the green consumption potential of the large-scale population is an important task in promoting green and sustainable development

In the new era, we should not only see the increasing pursuit of a beautiful ecological life, but also see the still weak awareness of carbon emission reduction. We need to continue the scientific guidance of public consumption behavior and vigorously cultivate the new fashion of green and low-carbon consumption. First, the government should promote the reasonable optimization of the market price mechanism of green consumption, and introduce relevant preferential policies to encourage the green consumption of the public. Second, the government should pay attention to the formation of green and low-carbon consumption habits of consumers, and make the contribution of their consumption behavior to green and low-carbon development explicit through digital technology, so that consumers can arouse the enthusiasm of practicing green and low-carbon consumption in this sense of achievement. Third, the government should vigorously advocate the consumption of green and low-carbon products that are conducive to physical and mental health, and at the same time constantly encourage social producers to supply large quantities of green and low-carbon products.

3. To build an ecological governance model of multi-subject coordination: the main responsibility of Chinese modernization

As an important part of ecological governance, the public and social organizations should constantly improve their ability to participate in ecological governance. As the main force of ecological governance, the public is the source of strength to continuously

promote ecological governance. Social public to actively response to the call of national ecological civilization construction, in the process of ecological consciousness fully improve ecological management of their right to know and supervision, both constantly promote the government to the ecological problem solving process, constantly open the expression of ecological management channels, also constantly in the form of ecological accountability to enterprise reversed transmission the performance of its ecological responsibility.

4. To meet the people's needs for a better ecological life: the value of Chinese modernization

4.1 Enhance the production capacity of the natural ecosystem and enhance the prosperity of the people

Natural factors are not only the external conditions for production, but also the endogenous driving force to promote economic and social development. As an important source of components of productivity, the supply of natural resources and ecological environment has also become the main constraint for the further improvement of productivity. While emphasizing the boundary and scarcity characteristics of natural environment, we should also further see the production characteristics of ecological environment itself as a kind of productive force. Ecological productivity regards ecological environment as a kind of natural capital, and regards the continuous protection and improvement of ecological environment as the process of continuous proliferation of natural capital. Since the scarcity of natural resources is the short board of economic development, the sustainable production capacity of the ecological environment will become the ability of sustainable economic development, and the ecological advantage will become the economic advantage. The ecological environment is the unity of natural wealth and social wealth.

4.2 Promote the participation of natural ecological factors in wealth distribution and improve the level of sharing among the people

Ecological products have strong attributes of public goods, which are derived from the people's basic demand for a beautiful ecological life. The effective distribution of such resources cannot be separated from the guidance and regulation of the government. Natural resources endowment difference is the important cause of unbalanced regional development, the government should be based on the area of natural resources conditions, clear space of ecological products supply and demand differentiation, on the basis of all the people, adjust measures to local conditions to cure mountain water, visible, to drive the people get rich income. Compared with cities, rural areas have a natural advantage in developing ecological economy. General Secretary Xi Jinping also stressed that "a good ecological environment is the biggest advantage and valuable wealth of rural areas."

4.3 Promoting the long-term green and balanced development of the population and enhancing the human capital strength

Population negative growth is the product of population development to a certain stage, and it is also an important embodiment of the law of population development. Whether the population will cause problems mainly depends on the overall situation of economic and social development and the carrying capacity of resources and the environment. China's huge population contains huge potential for human capital investment. To raise the population problem to the strategic height of building a powerful talent population is an inevitable requirement for realizing the long-term green and balanced development of population.

References:

- [1] Wang Jinying, Li Tianshan, Zhang Guoting. China's population development in the new era: current situation, characteristics, influence and challenges [J]. *Jinyang Academic Journal*, 2023, No.257(02):29-43.
- [2] original new. The huge population scale is the foundation of building Chinese modernization [J]. *China Science and Technology Forum*, 2023, No.323(03):1-3.
- [3] Fei Taan. Chinese modernization: the population logic of high-quality Development and common prosperity [J]. *Economic Research Reference*, 2023, No.3007(03):24-40.

About the author:

Yangyang Shen (1999-), male, born in Shangqiu, Henan province, master student of School of Marxism, Anhui University of Finance and Economics, direction of Basic Principles of Marxism.