Analysis on Development of Green Economy in Tibet from the Perspective of Ecological Civilization

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Abstract This paper first analyzed the significance of promoting the development of ecological civilization and developing green economy in Tibet. On this basis, it elaborated the relationship between "ecological civilization" and "green economy" and analyzed their scientific connotation. Finally, it came up with recommendations for actively promoting the construction of ecological civilization and developing the green economy in Tibet.

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Along with the rapid development of the global economy, China's economy and regional economy in recent years, the global industrialization process has been accelerating, while the problems of industrial pollution, environmental pollution, and climate changes have become increasingly serious. Environmental pollution has become an important issue for all countries. And all countries have been committed to adopting comprehensive measures to prevent and control environmental pollution and avoid adverse effects on human society. In 2003, British government issued Energy White Paper: Our Energy Future-Creating a Low. Carbon Economy, initially introduced the concept of green economy. Specifically, the green economy is an economic development model that the environment and human beings can bear without causing ecological crisis and social division due to blind pursuit of economic growth by human beings, and not causing economic unsustainable development due to depletion of natural resources. In June 2012, the UN proposed the theme of "green economy" in the sustainable development conference, and defined the development direction of the global economy to green transformation. The green economy and green development have become a global consensus.

In the past, China adopted the extensive management mode of high energy consumption, low output, heavy pollution and low process, accordingly leading to the extensive economic growth mode with priority for heavy industry development, high consumption resource and energy, and low utilization rate [1-3]. As the last

pure land in the planet, the Tibet Autonomous Region has primitive ecological resources and environment. It is required to get rid of the previous economic development mode, promote the development of low-carbon economy, green economy and reduce environmental pollution. In the context d of the global green development model, Tibet should rationally use resources, develop a green economy, and promote ecological development in combination with natural customs.

1 Significance for promoting the construction of ecological civilization and developing green economy

1.1 An important measure to realize the leap-forward development of economy in Tibet

The development of environmental construction is a specific requirement of economic construction. For building beautiful Tibet and promoting harmonious development, it is significant to strengthen the construction of ecological civilization, increase the total resources and product supply of superior resources in Tibet, enhance the ecological functions of vulnerable systems, raise the ecological carrying capacity, maintain biodiversity, promote the natural circulation of ecological resources and the benign cycle of social and economic systems, promote harmony of human and nature, and human and society.

1.2 A means for strengthening the ecological security protection of Tibet

Tibet is an important "river source" and "ecological source" of China, Asia, and even

the world. It is a global climate regulator and an important indicator for maintaining biodiversity, affecting the surrounding ecological balance and plateau ecology. The special natural attributes of Tibet become prominent with the economic development and construction, soil erosion, grassland degradation, land desertification and ecological vulnerability. Therefore, actively promoting the construction of ecological civilization and developing the green economy are the requirements for ensuring the ecological security of Tibet.

1.3 An important approach to accelerate the construction of new countryside in the plateau and increase the income of farmers and herdsmen

Fully using and protecting natural resources is an important part of the construction of ecological civilization. Through deeply exploring the economic potential of natural resources and adjusting the industrial structure of natural resources, it is expected to improve the effective utilization of resources and increase the economic added value, promote local economic development and employment, increase the income of farmers and herdsmen, and serve the market economy, to realize the harmony and unity of economic development, social construction, and humanistic environment.

1.4 An important measure to enrich the connotation of ecological culture and enhance humanistic quality

Global climate change has caused the melting of plateau glaciers, lake retreat, temperature rise, snow line rise, grassland degradation, extreme weather, major disasters,

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and biodiversity to be extinct. Faced with these problems, actively developing green economy can effectively reduce the degree of damage, recognize the essence, alleviate the bad situation, promote the construction of human ecological culture, promote human beings to love nature, respect resources, get close to nature, and guide human beings to set up the awareness of respecting and protecting nature, advocate green consumption concept and life style, enrich the establish a natural view of scientific development. To cultivate awareness of ecoenvironment that respects and protects nature, promote green consumption concepts and lifestyles, enrich the scientific connotation of ecological civilization construction, and enhance humanistic quality.

2 Relationship between ecological civilization and green economy and their respective scientific connotation 2.1 Intrinsic relationship

Ecological civilization is a kind of civilization following the industrial civilization. It advocates low consumption, low pollution and low emission in economic development. Ecological civilization construction refers to the construction of social, political, economic and cultural aspects using the concept of ecological civilization. For the construction of ecological civilization, it is required to be integrated into economic construction, and also should be based on economic construction, putting ecological civilization construction in a prominent position and integrating it into all aspects and the whole process of economic construction, political construction, cultural construction, social construction[4-5].

Taking "weak anthropocentrism" as the philosophical foundation, "green economy" advocates the realization of a win-win situation between human interests and natural interests. The concept of this economic form is consistent with the concept of ecological civilization, thus developing this economy is also promoting the construction of ecological civilization.

In the first place, the pursuit of "green economy" for economic development has consolidated the material foundation of construction of ecological civilization. In a certain sense, the construction of ecological civilization is also a social reform. It will transform people's concepts and existing social systems. For reform, there should be support of manpower, materials, and financial resources. The "green economy" provides material support for reform, so that the reform can be

implemented smoothly, accordingly promoting the construction of ecological civilization.

In the second place, the "green economy" lays the foundation for the development of "green politics" and "green culture". The experience of "green economy" in coordinating development and environmental protection can be used to solve the conflict between traditional culture and ecological culture; the experience of "green economy" in embedding ecological ideas into enterprises can be used to inject ecological ideas into political systems. This is how the "green economy" promotes the construction of ecological civilization in its own development and improvement process.

2.2 Scientific connotation

The connotation of the green economy was introduced by a group of British environmental economists represented by David Pearce in his work Blueprint of Green Economy, which was the first appearance of concept of "green economy" in the human civilization. The goal of the green economy is sustainable development. According to the economic situation of the market, green economy is a new economic model formed with the industrial economy as the cornerstone and the utilization of scientific and technological innovation. With significant advantages such as low carbon, environmentally friendly and recyclable, green economy is a combination of ecological economy, low-carbon economy and circular economy.

According to the current environmental and economic conditions, many countries have recognized the necessity and importance of developing the green economy [6-7]. The development of green economy can not only save energy and reduce emissions, but also increase the utilization rate of limited resources, further expand market demand, and provide more and more jobs for the masses, and it is also important means for balancing economic development and environmental protection.

According to China's national conditions, the construction of ecological civilization has the positive significance of benefiting the people. It is necessary to take ecological civilization construction as the top priority, appropriately shift the focus of work to the green economy, and fully integrate political construction, cultural construction, and economic construction. As an important part of the construction of ecological civilization, the development of green economy must accelerate the pace of construction, strengthen research efforts, and lay the foundation for the realization of economic and social sciences.

3 Recommendations for promoting the construction of ecological civilization and developing green economy

3.1 Improving the system of laws and regulations and taking government as the leader of the trading market, to promote the green development, transformation, management and development of enterprises

3.1.1 Strengthening government leadership, changing government functions, and accelerating the construction of service-oriented government. It is recommended to take active and strong development efforts, constantly optimize the development pattern of limited resources, respect the differences and coordination of various regions in Tibet, and rationally formulate a green economy model that conforms to the regional development. Besides, it is recommended to give full play to the administrative functions of the government, directly regulate and manage people's behavior, and influence the behavior of the masses through the necessary economic levers. If necessary, the government can directly participate in economic activities, formulate an evaluation system for green development, strengthen supervision and management, accelerate the implementation of comprehensive environmental economic decision-making, and set up comprehensive laws and regulations for the construction of ecological civilization. The National People's Congress and relevant government departments should take building beautiful Tibet as their goal, take respecting nature and adapting to nature as the concept, take building ecological civilization as the purpose, formulate high-level, overall, and strategic laws, formulate related laws and regulations for implementing this law, clearly define economic behavior of developing a green economy at the legal and regulatory levels, provide legal guarantee, and promote the operation of the enterprise market system on a virtuous track, so that enterprises can set up market from the process of green development in the process of transformation, operation and development, participate in international market competition, raise the position of enterprise development, and enhance the international competitiveness[8-10].

3.1.2 Formulating strategic plans, improving laws and regulations, and promoting green economy development. At the macro level, it is recommended to strengthen the top-level design, formulate a strategic plan for developing the green economy and promoting the construction

of ecological civilization according to national conditions, regional conditions, and market conditions, and make clear development concepts, principles, and goals. Local governments should adapt to local conditions under the guidance of the central government. Local government should formulate detailed planning and development measures for energy conservation, pollution control, ecological construction, and structural regulation. In the laws, regulations, and policy system, it is recommended to revise and improve a series of laws and regulations on ecological protection, resource conservation, clean production, and conserved consumption, and make clear the government's leadership responsibilities, corporate social responsibilities, and public participation responsibilities, to realize that once a law is put into force, it must be observed and strictly enforced.

3.1.3 Stressing main points, making clear directions, and cultivating the industrial development belt of green economy. It is recommended to cultivate green economy industries by economic means. Government should accelerate the adjustment of industrial structure, vigorously cultivate and develop green emerging industries such as modern circular agriculture, bio-chain industry, energysaving and environment-friendly industry, new information industry, new energy industry, promote green industry agglomeration, extend industrial chain, enhance the value chain, and gradually build the green industry system. In addition, it is recommended to formulate green standard, make clear technical standards, and standardize them at the technical level. For some products, it is required to implement the energy efficiency standard. For energy-saving products, it is recommended to implement certification and encourage consumers to buy them. For low carbon products, we propose formulating government procurement list and taking the procurement as priority. Government should formulate green economy policy and promote the development of green economy industry by adopting green policy support. For low carbon economy enterprises, government may provide preferential taxes, and consider imposing the environmental taxes, to control the emission of carbon dioxide. Furthermore, government should increase the investment inclinations and fiscal expenditure for green economy industries, and build staged exit mechanism for policy support, to promote the autonomous innovation of new green industry. Moreover, it is recommended to actively explore green financial channels, and make capital investment to related industries of green development, and provide effective financial policy services for the new model of green development. By a series of economic means, it is recommended to guide enterprises to green production and promote the establishment of a green production system.

3.2 Attaching importance to talent cultivation, and establishing an innovation and development system integrating production, education and research with enterprises as the carrier

3.2.1 Accelerating the promotion of green industry system in Tibet. It is recommended to attach importance to the development of new industries and technological innovation space, strengthen the cultivation effort, for example, enhancing the green cultivation of bio-industry, recycling agriculture, and new energy industries. Talents are fundamental for industrial development. Thus, it is required to vigorously cultivate green industrial talents and establish corresponding incentive mechanism, accelerate the efficiency of personnel cultivation and strengthen the effect of talent cultivation. Besides, it is recommended to screen foreign advanced development experience and theories, learn technologies suitable for the development of Tibet, and enhance the autonomous innovation capability of Tibet in the green economy development.

Firstly, it is required to stress the cultivation of innovative talents. The cultivation of innovative talents is inseparable from education. However, the existing education system is not adapted to the cultivation of innovative talents and thus needs reform. Secondly, it is recommended to introduce the foreign advanced technology. Finally, the state should provide financial support and assistance. In the new period, science and technology play an important role in both economic development and environmental protection. If this commanding point is obtained, the green economy of Tibet will achieve considerable development and will ultimately take the place of traditional economy, to realize successful transformation.

3.2.2 Integrating autonomous innovation and learning to break the bottleneck of green economy development. It is recommended to encourage autono-mous innovation and establish a green innovation system. Green technology innovation is an important support and guarantee for the development of green economy. Through active international cooperation and exchanges, it is able to learn the advanced green development experience

and concepts of foreign countries, strengthen the introduction, digestion, absorption and re-innovation of green technologies and equipment, and continuously enhance the ability of autonomous innovation. Specifically, it is recommended to cultivate talents related to the development of green economy, such as ecology, biology, environmental protection, and economy, and establish an industry-university-research institution cooperation system and green talent training incentive mechanism to support green industries. Besides, it is recommended to establish an innovation system with the green technology as the core, promote the diffusion of green technologies, introduce environmental factors into the process of technology research and development, enhance the green technology innovation capability of enterprises, promote green technology collaboration of industry, university and research institutions, improve the incentive system for green innovation of enterprises, and actively participate in the international competition, to break the green technical barriers.

3.2.3 Establishing and advocating the integration and development of green culture. It is recommended to create cultural atmosphere and advocate a green lifestyle. From the culture, competent authorities may raise the understanding of the public about the green development, promote the formation of green civilization behavior, and establish a social green cultural system.

Firstly, it is recommended to give full play to the leading and demonstrative role of the government, actively undertake various forms of publicity activities by radio, film, newspapers, magazines, network, mobile phones and other propaganda media, carry out popularization, education and publicity on green economy knowledge, and cultivate the green culture awareness of the public, gradually change the consumption pattern of the public, guide the public to consciously select resource-saving and environment-friendly consumption mode, establish the green consumption system, and promote balanced development of green production system and green consumption system. The establishment of a green consumption system is favorable for expanding domestic green consumption demands and promoting the development of green products and the development of green industries.

Secondly, it is recommended to strengthen the education and training of leading cadres at all levels, raise their awareness of green development, and promote them to consciously integrate the concept of green development into their works.

Thirdly, it is recommended to give full play to the educational function of schools, educate young people about green development, cultivate their awareness of green development from an early age, so as to create the cultural atmosphere where the whole society consciously supports the development of green economy.

3.3 Gradually establishing "green economy" system

It is recommended to set up the concept of ecological development, vigorously popularize ecological and practical green technology, and foster the formation of "green economy".

3.3.1 Creating green economy development atmosphere, promoting the participation of ecological construction, and building an ecological optimization pattern. For the promotion of "green economy", the first step is to set up ecological concept because the subject of green economy develop-ment is man. Only when men have ecological awareness and ecological motivation, may it be able to realize rapid development of green economy. The ecological concept is a kind of culture that attaches great importance to ecosystem integrity, environmental protection, resource conservation, etc. The ecological concept is embodied in various fields of society, such as production and consumption, and has far-reaching influence on various fields. How to establish ecological concepts is the precondition and important issue for the development of green economy.

Firstly, it is recommended to strengthen publicity, adopt different methods to promote different groups, give full play to the advantages of new media, and disseminate ecological concepts through new forms of communication such as video and animation. Besides, we should not ignore the role of traditional media, such as labeling slogans and organizing ecological activities. Secondly, it is recommended to give full play to the role of education and integrate the ecological concept into every form of education, such as classrooms for primary and secondary school students, classrooms for college students, training classes for party members and cadres, and training classes for various companies. Finally, it is recommended to inject the ecological concept through the celebrity effect. Fashion is a trend and a pursuit of people for beauty. If combining ecological elements and fashion, the ecological elements will become the goal of people and the ecological concept will be deeply rooted in the hearts of the people. Only when people have the ecological concept, may the production and consumption be green, and will development of "green economy" have an ideological basis.

3.3.2 Developing green economy, cultivating new form of green development, and enhancing the supply efficiency of ecological products. Green enriches country, green benefits people, and green provides better ecological products. Green economy is the connotation of green development concept and also main theme of the socialist ecological civilization construction with Chinese characteristics. The objective of green enriching country and green benefit people may be realized only through green industry and green economy. The ecological products that the people need can be divided into two types: essential products and general products: essential ecological products are clean air, clean water, and pollution-free products. These products are the most direct, most realistic products concerning people's livelihood, and they are guarantee of healthy life and precondition for happy life. The supply of essential ecological products depends on the comprehensive management of air pollution, water pollution and soil pollution, and also depends on the practice of green development and lifestyle. The supply of general ecological products requires reform of the supply-front structure and the development of green economy. The government should strengthen support for new green development forms from the aspects of finance and taxation, actively guide traditional industries to jump out of industrial limitations and barriers, conform to the rapid development of industrial technology revolution, and rely on green technology to actively upgrade and transform, and promote green and clean production of industries. Through combining the big data based Internet+, Internet of Things, and cloud computing with traditional industries, it is recommended to create green industry big database, green industry think tank, develop green finance, build green low-carbon recycling industrial system and intelligent consumption system, and guide the development of green production, green circulation, green trade and green consumption.

4 Conclusions

In the long history of human development, along with constant progress of industrial civilization, the population has also shown an upward trend. The available resources in the world are becoming increasingly severe. Besides, environmental pollution is becoming more and more serious, and ecosystems are degraded.

Faced with these challenges, it is urgently necessary to create a new form of civilization and seek a good living environment for the future of mankind. This is the development of green civilization. It is well known that people strongly advocate the construction of ecological civilization, and the development of green economy has become an important economic development mode at present. The background for the smooth development of this mode is ecological civilization and green economy. How to achieve the upgrading and innovation of green technology is the core issue of the development of "green economy". "Green economy" is a kind of economic behavior that greens the traditional economy or benefits the protection of environmental activities. To green the traditional economy and get benefit from environmental protection activities, the support of science and technology is inseparable. In addition, it needs the upgrading and innovation of industrial technology, needs support and encouragement of the masses, and needs the support of various circles of society, so there is still a long way to go.

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disregarding of facts, it is required to implement a system of lifelong investigations, increase penalties, and let the offenders pay a heavy price. Second, it is recommended to establish a proper interest coordination and guarantee mechanism. When establishing the interest coordination mechanism, all stakeholders should follow the principle of protecting vulnerable groups, and fully consider the interests of all subjects. In order to guarantee realization of interests, it is required to establish a reasonable and scientific interest coordination mechanism. Besides, it is necessary to fully consider the special characteristics of the ecologically vulnerable areas in western China. This requires the central government to grant local governments with moderate autonomy. It is required to provide protection in national laws and regulations, and also necessary to formulate local regulations in the ecologically vulnerable areas in western China on the basis of local conditions, so as to effectively protect the interests of all stakeholders. Therefore, changes in laws and regulations need to start from the Environmental Protection Law. In provisions of the laws, it is required to set up the prestige of protection of the rights and interests of stakeholders. Only in this way, can it be able to effectively guarantee their interests and smoothly implement the ecological protection red line policy.

5 Conclusions

The drawing of ecological protection red line for ecologically vulnerable areas in western China needs to understand the game behavior and strategy selection of stakeholders. Through the system design of stakeholder participation mechanism, ecological compensation mechanism, performance assessment mechanism and legal guarantee mechanism, it is able to better coordinate the interests of all parties and meet the requirements of all parties to the greatest extent, so as to smoothly implement the ecological protection red line policy.

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